

2015 Annual Groundwater Monitoring Report Former Dowell Schlumberger Facility Artesia, New Mexico

507 East Richey Avenue
Artesia, Eddy County, New Mexico

Prepared for

Schlumberger Technology Corporation and
The Dow Chemical Company

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CH2M HILL Engineers, Inc.

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Acronyms and Abbreviations

°C	degrees Celsius
CH2M	CH2M HILL Engineers, Inc.
COC	contaminant of concern
CVOC	chlorinated volatile organic compound
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
Dowell	a defunct joint venture between Schlumberger Technology Corporation and The Dow Chemical Company
GAC	granular activated carbon
gpm	gallons per minute
mg/L	milligrams per liter
MCP	master control panel
NaMnO ₄	sodium permanganate
NMED	New Mexico Environmental Department
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
PCE	tetrachloroethene
STC	Schlumberger Technology Corporation
site	Former Dowell Schlumberger Facility, Artesia, New Mexico
SVE	soil vapor extraction
VOC	volatile organic compound
USEPA	United States Environmental Protection Agency
UST	underground storage tank
USTB	Underground Storage Tank Bureau

Introduction

CH2M HILL Engineers, Inc. (CH2M) has completed the 2015 groundwater monitoring program at the Former Dowell Schlumberger Facility located in Artesia, New Mexico (the site). The site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) under Discharge Permit GW-114 and is located at 507 East Richey Avenue, Artesia, Eddy County, New Mexico. The site location is shown in Figure 1, and the site plan is shown in Figure 2.

Site Background

Section 2 provides an overview of the site background, history of operations, and geology and hydrogeology.

2.1 Site Description and History

The project site is located at 500 East Richey Avenue, Artesia, New Mexico (Figure 1) and was used as an oilfield service facility operated by Dowell Schlumberger Incorporated (Dowell; a defunct joint venture between Schlumberger Technology Corporation [STC] and The Dow Chemical Company) between 1969 and 1990 and in the early 2000s. In 1988, the New Mexico Environment Department (NMED) Underground Storage Tank Bureau (USTB) directed response actions in connection with fuel-related volatile organic compound (VOC) releases from underground storage tanks (USTs) at the site. During the early 1990s, NMOCD assumed responsibility for regulatory oversight of the facility.

In 1988, fuel-related VOC impacts to site soil and groundwater were discovered during UST removal activities and were regulated by the NMED-USTB. In 1995, a chlorinated VOC (CVOC) groundwater plume was discovered onsite near the former Wash Bay and was determined to be migrating to an adjacent downgradient property. The NMED Groundwater Protection and Remediation Bureau began oversight of the CVOC plume response and continued to regulate the pre-1995 UST impacts. In response to the discovery of the plume, Dowell purchased the downgradient property. Following the purchase of the adjacent land, it was discovered that Eddy County, New Mexico, owns right-of-way property between numerous land parcels and, as of 2015, remains the owner of the right-of-way between the two adjacent properties.

The site is currently inactive. The USTs and acid plant have been decommissioned and removed, but the office, maintenance, and storage buildings remain at the site (Figure 2). The remaining property outside the facility fence line is undeveloped other than for limited environmental-related infrastructure and an electrical transmission line owned by others.

The adjacent properties include the following:

- Artesia Alfalfa Growers Association—property to the north
- Mr. Donald Kiddy and Chase Farms—property to the east
- East Richey Avenue (NM 357) and residential—properties to the south
- Southeast Ready Mix Products—property to the west

Two prior remediation strategies, excavation and soil vapor extraction (SVE), were implemented to remove petroleum hydrocarbons and CVOCs from site groundwater and soil surrounding the former USTs, former Wash Bay, and former Acid Plant (Figure 2). During the early to mid-1990s, soil contaminated with fuel-related VOCs and CVOCs was excavated at these locations. Following soil excavation, in January 1994, SVE systems began operation at the location of the former USTs and at the former Wash Bay. The SVE system at the former USTs successfully removed fuel-related VOCs within that area, and the SVE system at that location was decommissioned in the early 2000s. The former Wash Bay SVE system was decommissioned in 2014. Between 2001 and 2002, pilot-scale zero-valent iron injections were performed in the downgradient portions of the CVOC groundwater plume. Difficulties with the zero-valent iron injections and subsurface distribution were encountered and resulted in no significant changes in CVOC concentrations in the groundwater. In 2014, in order to accelerate CVOC destruction at the site, an oxidant substrate (sodium permanganate [NaMnO₄]) was injected into 8 injection well locations 20 feet upgradient of monitoring well MW-25 (CH2M 2015).

A groundwater extraction and treatment system is in operation in the downgradient portion of the plume, located adjacent to monitoring wells MW-28 and MW-30. Groundwater is extracted from three extraction wells, EW-01, EW-02, and EW-03, treated using granular activated carbon (GAC), and discharged into the ground by gravity at the subsurface infiltration gallery located approximately 230 yards upgradient, adjacent to MW-31.

The following activities occurred at the site during 2015:

- Semiannual groundwater sampling events were conducted, including depth-to-water measurements.
- The groundwater extraction and treatment system was upgraded to include an additional extraction well, EW-03, which was installed in 2014, and add an electronic control system with remote startup and monitoring capabilities.
- The groundwater extraction and treatment system operated in the downgradient portion of the plume located adjacent to monitoring wells MW-28 and MW-30. Groundwater was treated using GAC and then discharged back into the ground by gravity at the infiltration gallery located approximately 230 yards upgradient, near the location of MW-31. Approximately 2.13 million gallons of groundwater were extracted, treated, and re-infiltrated in 2015.

2.2 Geology and Hydrogeology

2.2.1 Regional Geology and Hydrogeology

The underlying geology in the area includes the east-dipping Permian San Andres Limestone. Overlying the Permian San Andres Limestone are the Artesia Group and Quaternary alluvium (Lyford 1973).

Artesia, New Mexico, is located in the Roswell groundwater basin. The basin is bounded to the north 20 miles north of Roswell, to the south in the Seven Rivers area between Artesia and Carlsbad, to the east by the Pecos River, and to the west roughly 20 miles west of Artesia. The Roswell groundwater basin is made up of two aquifers separated by a leaky confining layer. The upper aquifer is contained in the quartzose unit of the Quaternary alluvium and the lower aquifer consists of the Permian San Andres Limestone. The upper aquifer is unconfined and is composed of Quaternary alluvial valley fill. The majority of the water-producing zones in the aquifer are located in the quartzose unit. The zones are typically sand and gravel separated by adjacent zones of silt and clay. Most zones are around 20 feet thick (Welder 1983).

The leaky confining layer between the two aquifers is formed from the lower three formations of the Artesia Group, which are mudstones. The moderately permeable layers form a leaky confining layer between the lower and upper aquifers (Hendrickson and Jones 1952). The layers vary in thickness across the basin due to erosion and solution collapse. The lower aquifer is located within the San Andres Limestone and the lower part of the Artesia Group. There are five different water-bearing zones in the deep aquifer. The thickness of the aquifer ranges from 260 to 460 feet, with water-bearing zones typically 50 feet or less in thickness. In the northern part of the basin near Roswell, the middle of the San Andres Limestone is the main water-producing zone. Near Artesia, in the middle of the basin, the main zone of production is the top of the San Andres Limestone. In the southern part of the basin, the main zone of production is the lower part of the Artesia Group (Welder 1983).

The transmissivities of the two aquifers vary due to irregular fractures, solution permeability in the deep aquifer, and erratic occurrences of sand and gravel in the shallow aquifer (Hendrickson and Jones 1952). The transmissivities range from 7,500 to 196,000 square feet per day in the deep aquifer, and 4,200 to 186,000 square feet per day in the shallow aquifer (Welder 1983). The aquifer zone yields vary greatly due to groundwater moving principally through cavities and fractures (Hendrickson and Jones 1952) at

various depths. As a result, it is difficult to find specific water-bearing depth intervals in the aquifer during monitoring well installation (Welder 1983). Groundwater moves from the lower aquifer to the shallow, although Welder (1983) states that flow may reverse due to heavy pumping in the lower aquifer. The estimated net rate of upward leakage is around 12,400 acre-feet per month (Welder 1983). Several water-bearing units in the leaky confining layer exist, and wells have been advanced and completed in the zones (Welder 1983). In general in the Roswell basin, groundwater flow is to the east; however, groundwater pumping in the Artesia area has caused a depression in the potentiometric surface of nearly 90 feet.

2.2.2 Site Geology and Hydrogeology

The geology and hydrogeology beneath the site were assessed during an investigation conducted in March 1995 by Western Water Consultants, Inc. Observations made during drilling activities described the predominant lithologies to consist of light-brown to reddish-brown silt and silty clay, interbedded with clay layers and stringers of carbonate rubble. The very fine-grained sediments were deposited in an arid, alluvial overbank environment and can be expected to be more laterally continuous than coarse-grained alluvial channel deposits (Western Water Consultants, Inc. 1995). The carbonate layers are believed to be the result of the evaporation of water containing elevated concentrations of dissolved solids. The 1995 investigation arrived at the conclusion that the stringers of carbonate rubble constitute the primary water-bearing zones. The rubble layers were observed at depths ranging from 20 to 26 feet below ground surface (Western Water Consultants, Inc. 1995).

2.3 Modifications to the Sitewide Activities

No modifications to the sitewide activities were requested in 2015. However, modifications requested in 2013 were implemented during 2014 and continued in 2015. The modifications are described in the following paragraphs.

On July 9, 2013, STC submitted by e-mail a *Work Plan Amendment for the Schlumberger Oilfield Services Facility—Artesia* (STC 2013a) requesting that reporting frequency for the site be modified to annual and to include activities for the prior calendar year. The work plan amendment was conditionally approved by NMOCD in an e-mail dated July 15, 2013 (NMOCD 2013a)(Appendix A). The conditional approval required that the annual report be submitted by April 1 of each year.

On August 16, 2013, the *Work Plan Amendment, Soil Investigation and Soil Vapor Extraction System Closure, Former Dowell Schlumberger Facility, Artesia, New Mexico* (STC 2013b) was submitted to NMOCD. The work plan amendment was conditionally approved by NMOCD in an e-mail dated August 22, 2013 (NMOCD 2013b) (Appendix A). The work plan amendment included a provision for taking the former Wash Bay SVE system offline pending the results of the soils investigation. The SVE system was taken offline during the fourth quarter of 2013 and was decommissioned in November 2014. The SVE decommissioning is described in the *Soil Vapor Extraction System Closure Report Former Dowell Schlumberger Facility, Artesia, New Mexico (GW-114)* (STC 2015).

On August 16, 2013, the *Work Plan Amendment, Groundwater Remediation Program Modifications, Former Dowell Schlumberger Facility, Artesia, New Mexico* (STC 2013c) was submitted to NMOCD. The work plan amendment was conditionally approved by NMOCD in an e-mail dated August 22, 2013 (NMOCD 2013c) (Appendix A). The work plan amendment included provisions for modifying the existing groundwater extraction and treatment system and for evaluating and performing in situ chemical oxidation to enhance the removal of VOCs in site groundwater. The conditional approval required monitoring for manganese or sulfate in groundwater to demonstrate the New Mexico Water Quality Control Commission (NMWQCC) standards for those constituents are not exceeded after the injection of NaMnO_4 .

On September 16, 2013, the *Work Plan Amendment, Modifications to the Groundwater Monitoring Program, Former Dowell Schlumberger Facility, Artesia, New Mexico* (STC 2013d) was submitted to the NMOCD. The work plan amendment was conditionally approved by NMOCD in an e-mail dated September 18, 2013 (NMOCD 2013d) (Appendix A). The monitoring program modifications implemented in October 2013 and described in the *2013 Annual Groundwater Monitoring Report Former Dowell Schlumberger Facility, Artesia, New Mexico* (CH2M 2014) were continued through 2015.

2015 Site Activities

Section 3 summarizes the 2015 groundwater monitoring and treatment site activities.

3.1 Groundwater Monitoring Activities

The following subsections summarize the activities conducted during the semiannual groundwater monitoring events.

3.1.1 Depth-to-Water Measurements and Groundwater Sampling

Depth-to-water measurements were collected at each of the 27 site monitoring wells in April and October, except MW-9 in October, which is buried beneath gravel and could not be located. The first semiannual groundwater sampling event was conducted in April and included sample collection from 14 of the 27 site monitoring wells (MW-12, MW-17C, MW-18, MW-21, MW-22, MW-25, MW-26, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, and MW-34). The second semiannual groundwater sampling event included sample collection from 20 of the 27 site wells (MW-1, MW-7, MW-8, MW-11, MW-12, MW-15, MW-17C, MW-18, MW-20, MW-21, MW-22, MW-25, MW-26, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, and MW-34). Groundwater samples collected from the site in October did not arrive at the laboratory due to weather-related conditions at the laboratory location and samples were received at a temperature of 12 degrees Celsius (°C); groundwater results from samples with a temperature greater than 6°C will not meet data validation requirements. Groundwater samples were re-collected at the site monitoring wells in November. Groundwater elevation data collected in October was deemed acceptable for use.

Prior to groundwater sample collection, the monitoring wells were purged with a peristaltic pump using low-flow methods. Field parameters (temperature, pH, conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential) were measured and recorded during purging activities. Groundwater samples were collected following field-parameter stabilization. The groundwater samples were submitted for laboratory analysis of VOCs by the U.S. Environmental Protection Agency (USEPA) SW-846 Method 8260B. During the April and November sampling events, groundwater samples from 11 and 12 monitoring wells, respectively, were submitted for laboratory analysis of dissolved manganese by USEPA Method 6020, as a condition of NMOCD Discharge Permit Amendment Approval to inject NaMnO_4 at the site.

During the November sampling event, a comparison sampling study was completed at three monitoring wells (MW-12, MW-29, and MW-31) using both no-purge HydraSleeve sampling methods followed immediately by traditional low-flow purging methods described above. Duplicate groundwater samples were collected for VOCs analysis from the three monitoring wells and for dissolved manganese analysis from monitoring wells MW-29 and MW-31. Groundwater data from both HydraSleeve and low-flow sampling techniques were compared. A technical memorandum describing the comparison study and recommending switching to HydraSleeve samplers for future events was submitted to NMOCD on February 16, 2016 (CH2M 2016).

Groundwater extracted during purging activities was contained in a 55-gallon drum and transferred to the groundwater treatment system for treatment and re-infiltration.

3.2 Groundwater Extraction and Treatment System Upgrade

The groundwater pump-and-treat system upgrade activities occurred from February 16 through 19, 2015. Upgrade activities included the decommissioning and removal of the existing building, installation of the upgraded treatment system, plumbing in extraction well piping for EW-01, EW-02, and EW-03, upgrading power supply to the new system, setting up the master control panel (MCP) and remote-monitoring telemetry system, and system startup.

The decommissioning of the existing pump-and-treat system was completed by disconnecting the 1-inch steel conveyance piping from extraction wells EW-01 and EW-02 and disconnecting the 750-gallon equalization tank. The building that had housed the system was removed from the site by Advanced Environmental Systems, a mechanical subcontractor, who also recycled piping and the equalization tank.

The upgraded pump-and-treat system is housed in an insulated 40-foot-long by 8-foot-wide steel shipping container. The unit was placed inside the fenced area, where the ground surface had been graded, new subsurface conveyance piping was installed, a new power supply from the power pole to the system was installed, and the inlet and outlet piping inside the building was connected to the inlet and outlet piping outside the building.

ProAct Services Corporation designed a MCP and programmable logic controller for the system. The MCP is set to alarm and shut off the pumps in a variety of conditions. The MCP can be accessed remotely using a wireless Internet connection via a cellular modem at the site.

The upgraded pump-and-treat system is designed to process up to 50 gallons per minute (gpm) through sediment filters and the GAC vessels. The current target extraction rate is 4 to 5 gpm from EW-01 and EW-02 and 6 gpm from EW-03, for a total of 14 to 16 gpm.

3.3 Operations and Maintenance Site Visits

During five regularly scheduled site visits in February, March, April, October, and November, 10 monitoring wells downgradient of the 2014 NaMnO₄ injections had a slug of groundwater removed via bailer, and the groundwater was checked for a purple hue. Observance of a purple hue would indicate the presence of residual NaMNO₄. The following wells were monitored for purple hue: MW-22, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, MW-31, MW-32, and MW-34.

Results and Discussion

4.1 Groundwater Elevation and Gradient

Higher localized groundwater elevations were observed at the location of the gravity infiltration trench adjacent to MW-31, as shown in Figures 3 and 4. An area of localized depressed groundwater elevations were observed near the northern boundary of the site (MW-28, MW-29, and MW-30) during both semiannual sampling events that is attributed to the groundwater extraction from the upgraded groundwater extraction and treatment system. Beyond the localized variations, the overall groundwater gradient was 0.0048 foot per foot for the April event, with the overall direction of groundwater flow to the northeast. The overall groundwater gradient was 0.006 to 0.01 foot per foot for the November event, with the overall direction of groundwater flow to the northeast. The gradient and groundwater flow direction are consistent with previous reports.

Table 1 contains the 2015 groundwater elevation data. Groundwater elevation decreased by approximately 3 feet across the site between the April and October sampling events. Groundwater elevation was abnormally high during the end of 2014 and beginning of 2015 due to significantly increased rainfall in the area from tropical storms and a broken water line adjacent to the decommissioned SVE system at the Former Wash Bay. At the time of the October sampling event, groundwater elevations at the site had returned to historically observed elevations. Please refer to previous reports for historical groundwater elevation data. Potentiometric surface maps depicting the groundwater elevation measured during each of the 2015 semiannual monitoring events are provided in Figures 3 and 4.

4.2 Groundwater Analytical Results

Table 2 summarizes the groundwater analytical results for 2015. Please refer to previous reports for historical groundwater analytical data. The 2015 laboratory analytical reports are in Appendix B, and the results of the data validation process are in Appendix C. The groundwater analytical results have been compared to the NMWQCC standards, where applicable, which are shown in Table 2. Table 2 generally follows the data format of prior annual reports. Figures 5, 6, 8, 9, and 10 present concentrations in groundwater for only the chemicals of concern (COCs) that exceeded NMWQCC standards during a given semiannual event. The extent of the exceedance of the NMWQCC standard is shown as an isopleth line on each figure. The following discussion summarizes the COC distribution at the site.

Concentrations of 1,1-dichloroethane (1,1-DCA) exceeded the NMWQCC standard of 0.025 milligram per liter (mg/L) during the both the April and November sampling events at MW-12 (Figure 5).

Concentrations of 1,1-DCA remained steady or decreased between the April and November groundwater sampling events at wells located in the upgradient plume.

Concentrations of 1,1-dichloroethene (1,1-DCE) exceeded the NMWQCC standard of 0.005 mg/L in multiple wells during the April and November sampling events (Figure 6). The exceedances are limited to the downgradient plume located outside the facility proper. At wells where concentrations of 1,1-DCE exceeded the NMWQCC standard, concentrations are generally decreasing since the NaMnO₄ injections in 2014 and increased groundwater extraction in 2015. See Figure 7. The 1,1-DCE is being acted upon by the NaMnO₄ substrate and groundwater extraction and treatment system.

Concentrations of benzene exceeded the NMWQCC standard of 0.01 mg/L during the November sampling event at MW-12 (Figure 8). Detected benzene concentrations are limited to the upgradient plume.

The concentration of naphthalene exceeded the NMWQCC standard of 0.03 mg/L during the November sampling event at MW-12 (Figure 9). Naphthalene concentrations are limited to the upgradient plume where benzene concentrations have previously exceeded NMWQCC standards.

Dissolved manganese samples were collected for analyses during the April and November sampling events to demonstrate that the injection of NaMnO₄ into the groundwater did not increase the concentration of manganese in the aquifer beyond the target treatment zone. Manganese exceeded the NMWQCC standard of 0.2 mg/L at MW-25 during the April sampling event (Figure 10). Monitoring well MW-25 is immediately downgradient of the NaMnO₄ injection transect and nearly in the center of the downgradient target treatment zone, as shown on Figure 1 of the August 2013 *Work Plan Amendment, Groundwater Remediation Program Modifications, Former Dowell Schlumberger Facility, Artesia, New Mexico* (STC 2013c). No manganese exceedances were reported during the November sampling event in or out of the target treatment zone, and concentrations at MW-25 decreased from 0.362 mg/L to below the detection limit.

4.3 Groundwater Extraction and Treatment System

To date, the groundwater extraction and treatment system has shut down twice due to a malfunction in a transducer located inside the equalization tank. The transducer read a high water level in the equalization tank and shut down the system. The transducer was replaced, and the system continues to operate as designed.

4.4 Operations and Maintenance Site Visits

Of the 10 monitoring wells checked for a purple hue in groundwater during the five site visits in February, March, April, October, and November, the sample from MW-25 was the only one in which a purple hue was visible, indicating the presence of residual NaMNO₄ at that location. The purple hue was observed in February, March, and April, but the purple hue was not visible during the October or November measurements, consistent with analytical dissolved manganese results (Table 2).

Conclusions and Recommendations

The following conclusions and recommendations are presented relative to groundwater conditions at the site, based on the potentiometric and analytical data obtained during the 2015 site activities.

5.1 Conclusions

Groundwater monitoring has been conducted at the site since 1991. Most of the groundwater concentrations reported in the calendar year 2015 groundwater monitoring period were stable or showed decreasing concentrations compared to historical data. Most of the VOCs that persist are just slightly above NMWQCC standards.

Concentrations of 1,1-DCE and tetrachloroethene (PCE) show generally decreasing trends in monitoring wells located downgradient of the NaMnO_4 injections. PCE concentrations did not exceed NMWQCC standards during either sampling event in 2015. Similarly, concentrations of 1,1-DCE have decreased when compared to historical groundwater data. The decreasing concentrations of COCs in the downgradient plume can be attributed to destruction of VOCs by the NaMnO_4 and recovery by the groundwater extraction and treatment system.

Naphthalene, benzene and 1,1-DCA concentrations in the upgradient plume exceed their respective NMWQCC standards at monitoring well MW-12.

5.2 Recommendations for Future Activities

5.2.1 Install Temporary Downgradient Groundwater Sampling Point

The extent to which the 1,1-DCE has migrated beyond MW-28 and MW-29 is not currently known, and an analysis of the capture zone for extraction well EW-03, located adjacent to monitoring well MW-28, cannot be completed without a downgradient groundwater elevation point. A temporary groundwater sampling point is proposed to be installed and surveyed approximately 100 feet downgradient of MW-28 and MW-29 to refine the extent of the plume and determine the extent of plume capture from the groundwater extraction and treatment system.

The proposed temporary groundwater sampling point would be located on property owned by the Artesia Alfalfa Growers Association. STC has been in contact with the Artesia Alfalfa Growers Association and is negotiating access to the property for the purposes of installing and sampling a temporary groundwater sampling point.

5.2.2 Groundwater Monitoring

The groundwater monitoring program will continue semiannually. The recommended analytes to be monitored include the following COCs which have been detected above NMWQCC standards in at least one sample in the past two years:

- 1,1-DCA, 1,1-DCE, benzene, PCE, and naphthalene, and dissolved manganese.

Monitoring wells not formally part of the groundwater monitoring program and wells where there have been no exceedances of NMWQCC standards for at least the past two years ending November 2015 should be abandoned, following NM Office of the State Engineer requirements. Monitoring wells recommended for abandonment are:

- MW-1
- MW-6
- MW-7
- MW-8
- MW-9
- MW-10
- MW-11
- MW-16
- MW-18
- MW-19
- MW-20
- MW-23
- MW-26
- MW-27
- MW-33

5.2.3 Operations and Maintenance of the Groundwater Extraction and Treatment System

Automated daily system monitoring and notifications via email will continue, and site visits to evaluate and repair upset conditions will be made as necessary.

Regular visits to the site to conduct maintenance on the groundwater extraction and treatment system will continue quarterly.

References

- CH2M HILL Engineers, Inc. (CH2M). 2014. *2013 Annual Groundwater Monitoring Report, Former Dowell Schlumberger Facility, Artesia, NM*. March.
- CH2M HILL Engineers, Inc. (CH2M). 2015. *2014 Annual Groundwater Monitoring Report, Former Dowell Schlumberger Facility, Artesia, NM*. March.
- CH2M HILL Engineers, Inc. (CH2M). 2016. *Results of HydraSleeve Comparison Study, Former Dowell Schlumberger Facility, Artesia, New Mexico*. February.
- Hansen, Edward/NMOCD (NMOCD), Hydrologist. 2013a. E-mail to Virgilio Cocianni/Schlumberger Technology Corporation. July 15.
- Hansen, Edward/NMOCD (NMOCD), Hydrologist. 2013b. E-mail to Virgilio Cocianni/Schlumberger Technology Corporation. August 22.
- Hansen, Edward/NMOCD (NMOCD), Hydrologist. 2013c. E-mail to Virgilio Cocianni/Schlumberger Technology Corporation. August 22.
- Hansen, Edward/NMOCD (NMOCD), Hydrologist. 2013d. E-mail to Virgilio Cocianni/Schlumberger Technology Corporation. September 18.
- Hendrickson, G. E., and Jones, R. S. 1952. *Geology and Groundwater Resources of Eddy County, New Mexico*. New Mexico Bureau of Mines and Mineral Resources, Groundwater Report 3.
- Lyford, F. P. 1973. *Valley Fill in the Roswell-Artesia Area, New Mexico*. USGS Open File Report.
- Schlumberger Technology Corporation (STC). 2013a. *Work Plan Amendment for the Schlumberger Oilfield Services Facility—Artesia* (by e-mail). July 9.
- Schlumberger Technology Corporation (STC). 2013b. *Work Plan Amendment Soil Investigation and Soil Vapor Extraction System Closure Former Dowell Schlumberger Facility, Artesia, New Mexico*. August 16.
- Schlumberger Technology Corporation (STC). 2013c. *Work Plan Amendment Groundwater Remediation Program Modifications Former Dowell Schlumberger Facility, Artesia, New Mexico*. August 16.
- Schlumberger Technology Corporation (STC). 2013d. *Work Plan Amendment Modifications to the Groundwater Monitoring Program Former Dowell Schlumberger Facility, Artesia, New Mexico*. September 16.
- Schlumberger Technology Corporation (STC). 2015. *Soil Vapor Extraction System Closure Report Former Dowell Schlumberger Facility, Artesia, New Mexico*. June 9.
- Welder, G. E. 1983. *Geohydrologic Framework of the Roswell Groundwater Basin, Chaves and Eddy Counties, New Mexico*. USGS/New Mexico State Engineer Technical Report No. 42.
- Western Water Consultants, Inc. 1995. *Quarterly Report for Additional Investigation and Remediation, Dowell Schlumberger Artesia, New Mexico*. July 13.

Tables

Table 1. Groundwater Elevation Data—2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility, Artesia, New Mexico

WELL NUMBER	MEASUREMENT DATE	TOTAL DEPTH (ft btoc)	TOP OF CASING ELEVATION (ft amsl)	DEPTH TO WATER (ft btoc)	GROUNDWATER ELEVATION (ft amsl)
MW-1	4/21/2015	30.0	3358.52	8.80	3349.72
	10/21/2015			11.69	3346.83
MW-6	4/21/2015	35.0	3358.80	11.68	3347.12
	10/21/2015			13.53	3345.27
MW-7	4/21/2015	35.0	3358.19	11.57	3346.62
	10/21/2015			14.82	3343.37
MW-8	4/21/2015	35.0	3359.43	12.92	3346.51
	10/21/2015			16.15	3343.28
MW-9	4/21/2015	30.0	3357.29	9.62	3347.67
	10/21/2015			NM	NM
MW-10	4/21/2015	30.0	3357.80	10.11	3347.69
	10/21/2015			13.19	3344.61
MW-11	4/21/2015	30.0	3356.16	9.45	3346.71
	10/21/2015			12.71	3343.45
MW-12	4/21/2015	25.7	3356.45	9.35	3347.10
	10/21/2015			12.54	3343.91
MW-15	4/21/2015	34.0	3357.65	9.40	3348.25
	10/21/2015			12.60	3345.05
MW-16	4/21/2015	NM	NM	8.16	NM
	10/21/2015			11.59	NM
MW-17C	4/21/2015	62.4	3356.49	9.42	3347.07
	10/21/2015			12.62	3343.87
MW-18	4/21/2015	30.1	3356.65	10.31	3346.34
	10/21/2015			13.69	3342.96
MW-19	4/21/2015	28.0	3357.02	10.29	3346.73
	10/21/2015			13.57	3343.45
MW-20	4/21/2015	28.0	3359.05	14.21	3344.84
	10/21/2015			17.50	3341.55
MW-21	4/21/2015	17.4	3356.83	12.36	3344.47
	10/21/2015			15.75	3341.08
MW-22	4/21/2015	15.6	3355.11	11.31	3343.80
	10/21/2015			14.68	3340.43
MW-23	4/21/2015	25.0	3355.26	9.85	3345.41
	10/21/2015			12.56	3342.70
MW-25	4/21/2015	27.3	3355.61	12.89	3342.72
	10/21/2015			16.11	3339.50

Table 1. Groundwater Elevation Data—2015
 2015 Annual Groundwater Monitoring Report
 Former Dowell Schlumberger Facility, Artesia, New Mexico

WELL NUMBER	MEASUREMENT DATE	TOTAL DEPTH (ft btoc)	TOP OF CASING ELEVATION (ft amsl)	DEPTH TO WATER (ft btoc)	GROUNDWATER ELEVATION (ft amsl)
MW-26	4/21/2015	27.4	3354.14	11.99	3342.15
	10/21/2015			16.25	3337.89
MW-27	4/21/2015	25.0	3354.17	11.29	3342.88
	10/21/2015			14.59	3339.58
MW-28	4/21/2015	27.9	3355.88	16.06	3339.82
	10/21/2015			18.86	3337.02
MW-29	4/21/2015	20.3	3354.99	15.72	3339.27
	10/21/2015			18.56	3336.43
MW-30	4/21/2015	27.9	3354.53	15.26	3339.27
	10/21/2015			18.28	3336.25
MW-31	4/21/2015	30.9	3356.32	9.57	3346.75
	10/21/2015			13.29	3343.03
MW-32	4/21/2015	38.9	3354.46	12.56	3341.90
	10/21/2015			16.72	3337.74
MW-33	4/21/2015	35.0	3349.63	11.64	3337.99
	10/21/2015			15.05	3334.58
MW-34	4/21/2015	32.0	NM	13.97	NM
	10/21/2015			17.05	NM

Notes:

ft btoc = feet below top of casing

ft amsl = feet above mean sea level

NM = not measured, MW-9 was buried under gravel and could not be located; MW-16 and MW-34 have not been surveyed; groundwater elevation in ft amsl is not calculated.

Table 2. Summary of Groundwater Analytical Results—2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	ANALYTE	Manganese,	1,1,1,2-Tetrachloroethane	1,1,1-TCA	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-DCA	1,1-DCE	1,1-Dichloropropene	1,2,3-Trichlorobenzene
		UNITS	dissolved	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		NMWQCC STANDARD	0.2		0.06	0.01	0.01	0.025	0.005		
MW-1	11/4/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	< 0.000168	< 0.000192	< 0.000191	< 0.00057
MW-7	11/4/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.000189 J	0.000292 J	< 0.000191	< 0.00057
MW-8	11/4/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00409	0.000829 J	< 0.000191	< 0.00057
MW-11	11/4/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00427	0.000297 J	< 0.000191	< 0.00057
MW-12	4/22/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.025	0.00203	< 0.000191	< 0.00057
	11/4/2015		NS	< 0.00178	< 0.00209	< 0.00197	< 0.00209	0.0692	0.0049 J	< 0.00191	< 0.0057
MW-15	11/4/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.000315 J	< 0.000192	< 0.000191	< 0.00057
MW-17C	4/22/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.00028	< 0.000168	0.000388 J	< 0.000191	< 0.00057
	11/4/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	< 0.000168	0.000299 J	< 0.000191	< 0.00057
MW-18	4/22/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	< 0.000168	0.00141	< 0.000191	< 0.00057
	11/4/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.000346 J	0.00138	< 0.000191	< 0.00057
MW-20	11/4/2015		0.0159 J	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00943	0.00162	< 0.000191	< 0.00057
MW-21	4/22/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.00075 J	0.00133	< 0.000191	< 0.00057
	11/4/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	< 0.000168	< 0.000192	< 0.000191	< 0.00057
MW-22	4/22/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.00347	0.0102	< 0.000191	< 0.00057
	11/4/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00142	0.00366	< 0.000191	< 0.00057
MW-25	4/22/2015		0.362	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.00208	0.0013	< 0.000191	< 0.00057
	11/4/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00133	0.00441	< 0.000191	< 0.00057
MW-26	4/23/2015		0.0153 J	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.000271 J	0.00188	< 0.000191	< 0.00057
	11/3/2015		0.0158 J	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.000178 J	0.00081 J	< 0.000191	< 0.00057
MW-28	4/23/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.00679	0.0216	< 0.000191	< 0.00057
	11/3/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00626	0.0155	< 0.000191	< 0.00057
MW-29	4/23/2015		0.0222 J	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.00477	0.0162	< 0.000191	< 0.00057
	11/3/2015		0.0519	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00655	0.0196	< 0.000191	< 0.00057
MW-30	4/23/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.0052	0.0147	< 0.000191	< 0.00057
	11/3/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.00391	0.00654	< 0.000191	< 0.00057
MW-31	4/23/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	< 0.000168	< 0.000192	< 0.000191	< 0.00057
	11/4/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	< 0.000168	< 0.000192	< 0.000191	< 0.00057
MW-32	4/23/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.000414 J	0.0015	< 0.000191	< 0.00057
	11/3/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.000315 J	0.000842 J	< 0.000191	< 0.00057
MW-33	4/23/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.00028	< 0.000168	< 0.000192	< 0.000191	< 0.00057
	11/3/2015		NS	< 0.000178	< 0.000209	< 0.000197	< 0.000209	< 0.000168	< 0.000192	< 0.000191	< 0.00057
MW-34	4/23/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.00028	0.00185	0.00373	< 0.000191	< 0.00057
	11/3/2015		< 0.0116	< 0.000178	< 0.000209	< 0.000197	< 0.000209	0.0021	0.00541	< 0.000191	< 0.00057

Table 2. Summary of Groundwater Analytical Results—2015
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ANALYTE UNITS NMWQCC STANDARD		1,2,3-Trichloropropane mg/L	1,2,4-Trichlorobenzene mg/L	1,2,4-Trimethylbenzene mg/L	1,2-Dibromo-3-chloropropane mg/L	1,2-Dichlorobenzene mg/L	1,2-DCA mg/L 0.01	1,2-Dichloropropane mg/L
WELL NUMBER	SAMPLE DATE							
MW-1	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-7	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-8	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-11	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-12	4/22/2015	< 0.00029	< 0.000177	0.0726	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.0029	< 0.00177	2.08	< 0.0081	< 0.00153	< 0.00116	< 0.00136
MW-15	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-17C	4/22/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-18	4/22/2015	< 0.00029	< 0.000177	0.000274 J	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-20	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-21	4/22/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-22	4/22/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-25	4/22/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-26	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-28	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	0.000182 J	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-29	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-30	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	0.000183 J	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-31	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/4/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-32	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-33	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
MW-34	4/23/2015	< 0.00029	< 0.000177 J	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136
	11/3/2015	< 0.00029	< 0.000177	< 0.000215	< 0.00081	< 0.000153	< 0.000116	< 0.000136

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ANALYTE UNITS NMWQCC STANDARD		1,3,5-Trimethylbenzene mg/L	1,3-Dichlorobenzene mg/L	1,3-Dichloropropane mg/L	1,4-Dichlorobenzene mg/L	2,2-Dichloropropane mg/L	2-Butanone (Methyl Ethyl Ketone) mg/L	2-Chloroethyl Vinyl Ether mg/L	2-Chlorotoluene mg/L
WELL NUMBER	SAMPLE DATE								
MW-1	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005 R	< 0.000226
MW-7	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-8	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-11	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-12	4/22/2015	0.000661 J	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	0.00929 J	< 0.0021	< 0.0022	< 0.00176	< 0.00258	< 0.0076	< 0.005	< 0.00226
MW-15	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-17C	4/22/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-18	4/22/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-20	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-21	4/22/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-22	4/22/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-25	4/22/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-26	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-28	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-29	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-30	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-31	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/4/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-32	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005 R	< 0.000226
MW-33	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226
MW-34	4/23/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005 R	< 0.000226
	11/3/2015	< 0.00021	< 0.00021	< 0.00022	< 0.000176	< 0.000258	< 0.00076	< 0.0005	< 0.000226

Table 2. Summary of Groundwater Analytical Results—2015
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ANALYTE UNITS NMWQCC STANDARD		4-Chlorotoluene mg/L	4-Isopropyltoluene mg/L	Benzene mg/L 0.01	Bromobenzene mg/L	Bromochloromethane mg/L	Bromodichloromethane mg/L	Bromoform mg/L	Bromomethane mg/L	Carbon Tetrachloride mg/L 0.01	Chlorobenzene mg/L
WELL NUMBER	SAMPLE DATE										
MW-1	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-7	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-8	11/4/2015	< 0.00021	< 0.000228	0.000287 J	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-11	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-12	4/22/2015	< 0.00021	0.000871 J	0.00953	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	0.000211 J
	11/4/2015	< 0.0021	0.003 J	0.023	< 0.00195	< 0.00162	< 0.00153	< 0.00151	< 0.0025	< 0.00183	< 0.00185
MW-15	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-17C	4/22/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	< 0.000185
	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-18	4/22/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	< 0.000185
	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-20	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-21	4/22/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	< 0.000185
	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-22	4/22/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	< 0.000185
	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-25	4/22/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	< 0.000185
	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-26	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-28	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-29	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-30	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-31	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/4/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-32	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-33	4/23/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185
MW-34	4/23/2015	< 0.00021	< 0.000228 J	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025 J	< 0.000183	< 0.000185
	11/3/2015	< 0.00021	< 0.000228	< 0.000176	< 0.000195	< 0.000162	< 0.000153	< 0.000151	< 0.00025	< 0.000183	< 0.000185

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WELL NUMBER	ANALYTE UNITS NMWQCC STANDARD SAMPLE DATE	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-DCE	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Ethylene Dibromide (1,2-Dibromoethane)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				0.1						0.75	0.0001
MW-1	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-7	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-8	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.00361	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-11	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-12	4/22/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.0395	< 0.00016	< 0.00052	< 0.000859 J	0.0189	< 0.000111
	11/4/2015	< 0.00119	< 0.0024	< 0.00151	< 0.00209	0.0936	< 0.0016	< 0.0052	< 0.00859	0.381	< 0.00111
MW-15	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.00794	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-17C	4/22/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859 J	< 0.000212	< 0.000111
	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-18	4/22/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859 J	< 0.000212	< 0.000111
	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-20	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.0022	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-21	4/22/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859 J	< 0.000212	< 0.000111
	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-22	4/22/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859 J	< 0.000212	< 0.000111
	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-25	4/22/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859 J	< 0.000212	< 0.000111
	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-26	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-28	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.000428 J	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.000334 J	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-29	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.000476 J	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	0.000494 J	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-30	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-31	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/4/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-32	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-33	4/23/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111
MW-34	4/23/2015	< 0.000119	< 0.00024 J	< 0.000151	< 0.000209 J	< 0.000157	< 0.00016	< 0.00052	< 0.000859 J	< 0.000212	< 0.000111
	11/3/2015	< 0.000119	< 0.00024	< 0.000151	< 0.000209	< 0.000157	< 0.00016	< 0.00052	< 0.000859	< 0.000212	< 0.000111

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ANALYTE UNITS		Hexachlorobutadiene	Isopropylbenzene	m,p-Xylene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene
NMWQCC STANDARD		mg/L	mg/L	(sum of isomers) mg/L	mg/L	(Dichloromethane) mg/L	mg/L	mg/L	mg/L	mg/L
WELL NUMBER	SAMPLE DATE			0.62		0.1	0.03			0.62
MW-1	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176 J	0.000973 J	< 0.000212	< 0.00023	< 0.000192
MW-7	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-8	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-11	11/4/2015	< 0.000215	< 0.000241	< 0.000205	0.000169 J	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-12	4/22/2015	< 0.000215	0.0383	0.00964	< 0.000105	< 0.000176	0.0204	0.00299	0.00998	0.000524 J
	11/4/2015	< 0.00215	0.292	0.377	< 0.00105	< 0.00176	0.296	0.00757 J	0.377	0.00509 J
MW-15	11/4/2015	< 0.000215	< 0.000241	< 0.000205	0.000325 J	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-17C	4/22/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-18	4/22/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-20	11/4/2015	< 0.000215	< 0.000241	< 0.000205	0.00136	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-21	4/22/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-22	4/22/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-25	4/22/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-26	4/23/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-28	4/23/2015	< 0.000215	< 0.000241	< 0.000205	0.000665 J	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	0.000425 J	< 0.000176	< 0.0002	< 0.000212	< 0.00023	< 0.000192
MW-29	4/23/2015	< 0.000215	< 0.000241	< 0.000205	0.00136	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	0.00111	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-30	4/23/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-31	4/23/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/4/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-32	4/23/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-33	4/23/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
MW-34	4/23/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192
	11/3/2015	< 0.000215	< 0.000241	< 0.000205	< 0.000105	< 0.000176	< 0.000129	< 0.000212	< 0.00023	< 0.000192

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ANALYTE UNITS NMWQCC STANDARD		sec-Butylbenzene mg/L	Styrene mg/L	tert-Butylbenzene mg/L	PCE mg/L 0.02	Toluene mg/L 0.75	trans-1,2-DCE mg/L	trans-1,3-Dichloropropene mg/L	TCE mg/L 0.1	Trichlorofluoromethane mg/L	Vinyl Chloride mg/L 0.001	Xylenes, Total mg/L 0.62
WELL NUMBER	SAMPLE DATE											
MW-1	11/4/2015	0.000375 J	< 0.000175	< 0.000216	< 0.000333	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
MW-7	11/4/2015	< 0.000224	< 0.000175	< 0.000216	0.000646 J	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
MW-8	11/4/2015	0.000241 J	< 0.000175	< 0.000216	0.000831 J	< 0.000198	< 0.000192	< 0.000137	0.00192	< 0.000244	< 0.000248	< 0.000366
MW-11	11/4/2015	< 0.000224	< 0.000175	< 0.000216	0.000481 J	< 0.000198	< 0.000192	< 0.000137	0.00108	< 0.000244	< 0.000248	< 0.000366
MW-12	4/22/2015	0.00391	< 0.000175	< 0.000216	0.0016	< 0.000198	< 0.000192	< 0.000137	0.00242	< 0.000244	< 0.000248	0.0102
	11/4/2015	0.00947 J	< 0.00175	< 0.00216	0.00481 J	< 0.00198	< 0.00192	< 0.00137	0.00632 J	< 0.00244	< 0.00248	0.382
MW-15	11/4/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000333	< 0.000198	0.000307 J	< 0.000137	0.0257	< 0.000244	< 0.000248	< 0.000366
MW-17C	4/22/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000514	< 0.000198	< 0.000192	< 0.000137	0.000258 J	< 0.000244	< 0.000248	< 0.000366
	11/4/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000333	< 0.000198	< 0.000192	< 0.000137	0.000282 J	< 0.000244	< 0.000248	< 0.000366
MW-18	4/22/2015	< 0.000224	< 0.000175	< 0.000216	0.00145	< 0.000198	< 0.000192	< 0.000137	0.000295 J	< 0.000244	< 0.000248	< 0.000366
	11/4/2015	< 0.000224	< 0.000175	< 0.000216	0.00144	< 0.000198	< 0.000192	< 0.000137	0.000333 J	< 0.000244	< 0.000248	< 0.000366
MW-20	11/4/2015	< 0.000224	< 0.000175	< 0.000216	0.00184	< 0.000198	< 0.000192	< 0.000137	0.00258	< 0.000244	0.000255 J	< 0.000366
MW-21	4/22/2015	< 0.000224	< 0.000175	< 0.000216	0.00107	< 0.000198	< 0.000192	< 0.000137	0.0003 J	< 0.000244	< 0.000248	< 0.000366
	11/4/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000333	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
MW-22	4/22/2015	< 0.000224	< 0.000175	< 0.000216	0.0115	< 0.000198	< 0.000192	< 0.000137	0.00265	< 0.000244	< 0.000248	< 0.000366
	11/4/2015	< 0.000224	< 0.000175	< 0.000216	0.00401	< 0.000198	< 0.000192	< 0.000137	0.000914 J	< 0.000244	< 0.000248	< 0.000366
MW-25	4/22/2015	< 0.000224	< 0.000175	< 0.000216	0.00545	< 0.000198	< 0.000192	< 0.000137	0.000639 J	< 0.000244	< 0.000248	< 0.000366
	11/4/2015	< 0.000224	< 0.000175	< 0.000216	0.00503	< 0.000198	< 0.000192	< 0.000137	0.00103	< 0.000244	< 0.000248	< 0.000366
MW-26	4/23/2015	< 0.000224	< 0.000175	< 0.000216	0.00104	< 0.000198	< 0.000192	< 0.000137	0.000558 J	< 0.000244	< 0.000248	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	0.000708 J	< 0.000198	< 0.000192	< 0.000137	0.000334 J	< 0.000244	< 0.000248	< 0.000366
MW-28	4/23/2015	< 0.000224	< 0.000175	< 0.000216	0.0188	< 0.000198	< 0.000192	< 0.000137	0.00672	< 0.000244	< 0.000248	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	0.0183	< 0.000198	< 0.000192	< 0.000137	0.00506	< 0.000244	< 0.000248	< 0.000366
MW-29	4/23/2015	< 0.000224	< 0.000175	< 0.000216	0.0103	< 0.000198	< 0.000192	< 0.000137	0.00527	< 0.000244	< 0.000248	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	0.0135	< 0.000198	< 0.000192	< 0.000137	0.00586	< 0.000244	< 0.000248	< 0.000366
MW-30	4/23/2015	< 0.000224	< 0.000175	< 0.000216	0.0169	< 0.000198	< 0.000192	< 0.000137	0.00418	< 0.000244	< 0.000248	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	0.0132	< 0.000198	< 0.000192	< 0.000137	0.00207	< 0.000244	< 0.000248	< 0.000366
MW-31	4/23/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000514	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
	11/4/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000333	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
MW-32	4/23/2015	< 0.000224	< 0.000175	< 0.000216	0.00197	< 0.000198	< 0.000192	< 0.000137	0.000579 J	< 0.000244	< 0.000248	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	0.00144	< 0.000198	< 0.000192	< 0.000137	0.00036 J	< 0.000244	< 0.000248	< 0.000366
MW-33	4/23/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000514	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	< 0.000333	< 0.000198	< 0.000192	< 0.000137	< 0.000138	< 0.000244	< 0.000248	< 0.000366
MW-34	4/23/2015	< 0.000224	< 0.000175 R	< 0.000216	0.00291	< 0.000198	< 0.000192	< 0.000137	0.000962 J	< 0.000244 J	< 0.000248 J	< 0.000366
	11/3/2015	< 0.000224	< 0.000175	< 0.000216	0.00516	< 0.000198	< 0.000192	< 0.000137	0.0014	< 0.000244	< 0.000248	< 0.000366

Notes:

Analytical method used EPA Method 8260 (VOCs) EPA Method 6020 (Metals)

NMWQCC = New Mexico Water Quality Control Commission

mg/L = milligrams per liter (equivalent to parts per million)

<0.001 = chemical not detected at concentration above detection limit shown

NS = not sampled for this analyte

J = chemical detected at concentration above instrument detection limit but below method detection limit

R = chemical result rejected for project use

Detected results in bold font

Results equal to or exceeding NMWQCC Standards in bold font and shaded

Chemical Abbreviations:

DCA = dichloroethane

DCE = dichloroethene

TCA = trichloroethane

TCE = trichloroethene

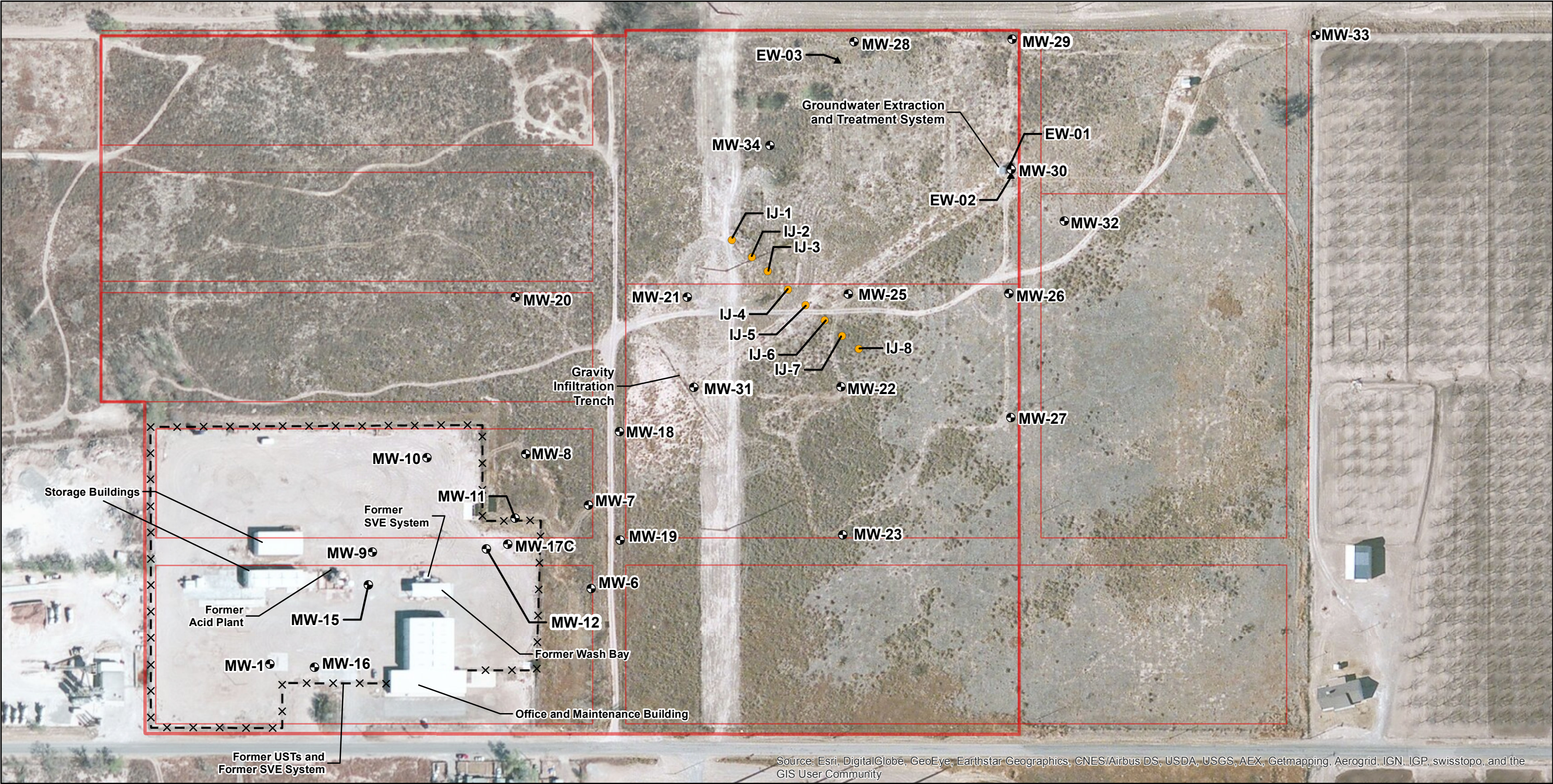
PCE = tetrachloroethene

Figures



Figure 1
Site Location Map

*2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico*



LEGEND

- Property Line
- Right of Way Boundary
- × — × Fence
- ▲ Groundwater Extraction Well
- Injection Well
- ⊕ Monitoring Well

Notes:

- SVE = soil vapor extraction
- UST = underground storage tank

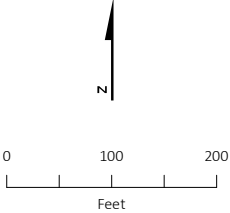
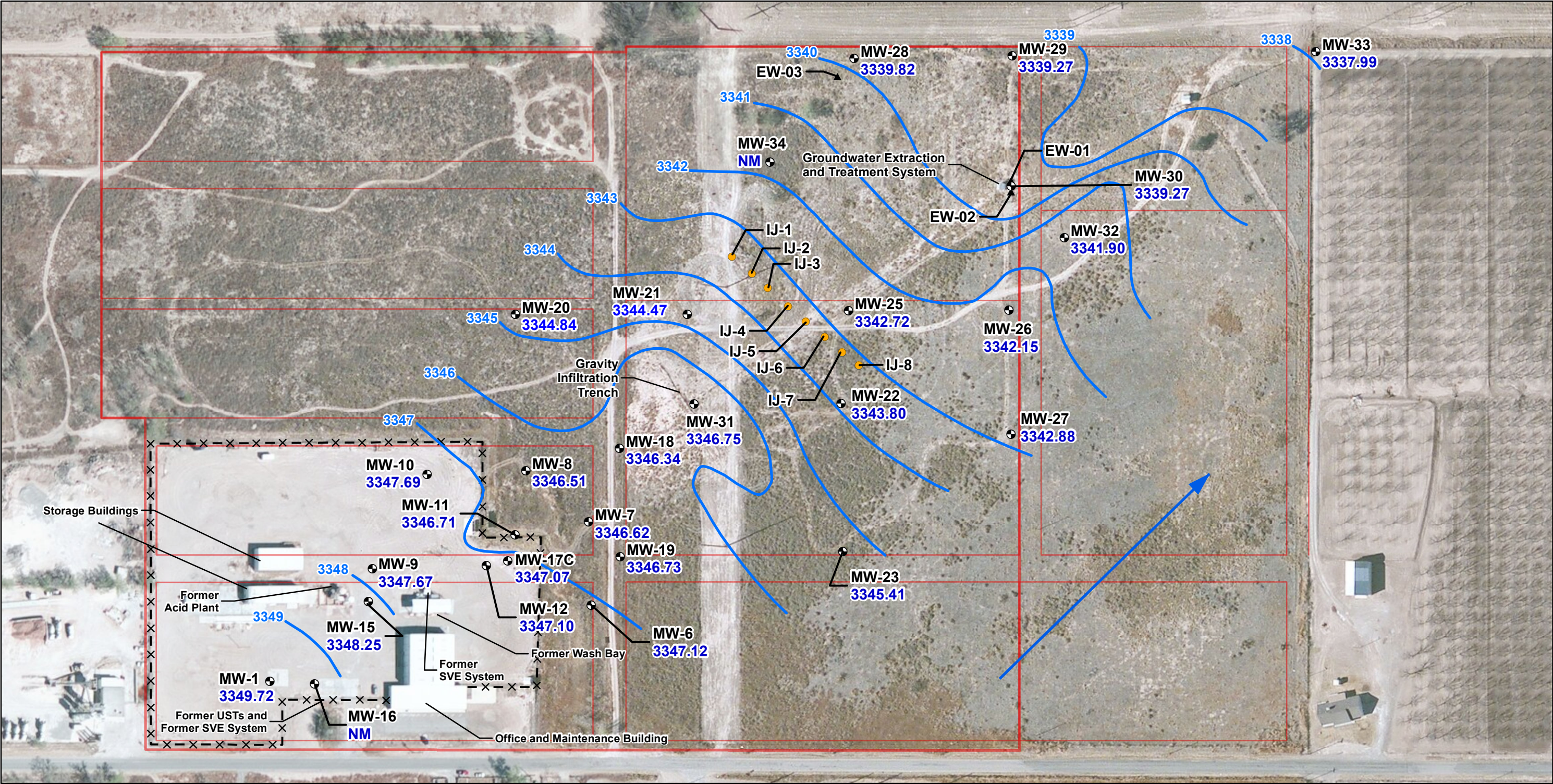


Figure 2
Site Plan
 2015 Annual Groundwater Monitoring Report
 Former Dowell Schlumberger Facility
 Artesia, New Mexico



LEGEND

- Property Line
- Right of Way Boundary
- Fence
- Groundwater Extraction Well
- Injection Well
- Monitoring Well
- Groundwater Elevation (ft amsl)
- NM Not Measured, MW-16 and MW-34 have not been surveyed; groundwater elevation in ft amsl is not calculated.
- Groundwater Elevation Contour
- Groundwater Flow Direction

Notes:
ft amsl = feet above mean sea level
SVE = soil vapor extraction
UST = underground storage tank

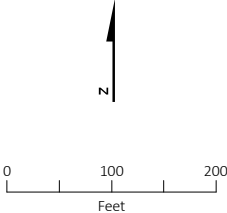
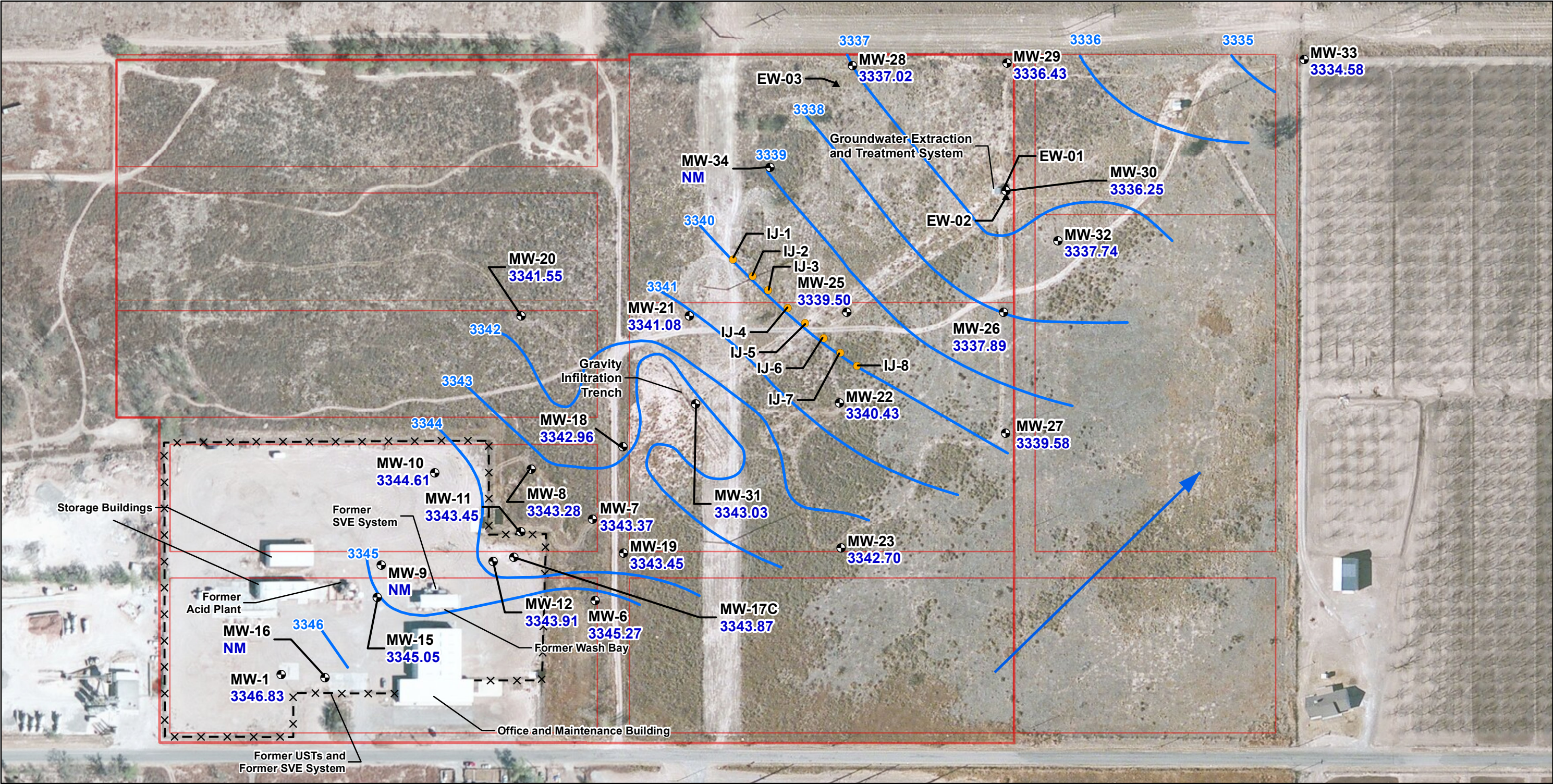


Figure 3
Potentiometric Surface Map - April 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico



LEGEND

- Property Line
- Right of Way Boundary
- Fence
- Groundwater Extraction Well
- Injection Well
- Monitoring Well

3340.00 Groundwater Elevation (ft amsl)

NM Not Measured, MW-16 and MW-34 have not been surveyed; groundwater elevation in ft amsl is not calculated.

Groundwater Elevation Contour

Groundwater Flow Direction

Notes:
ft amsl = feet above mean sea level
SVE = soil vapor extraction
UST = underground storage tank

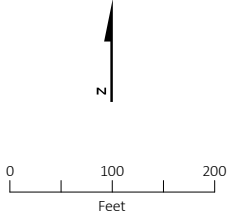
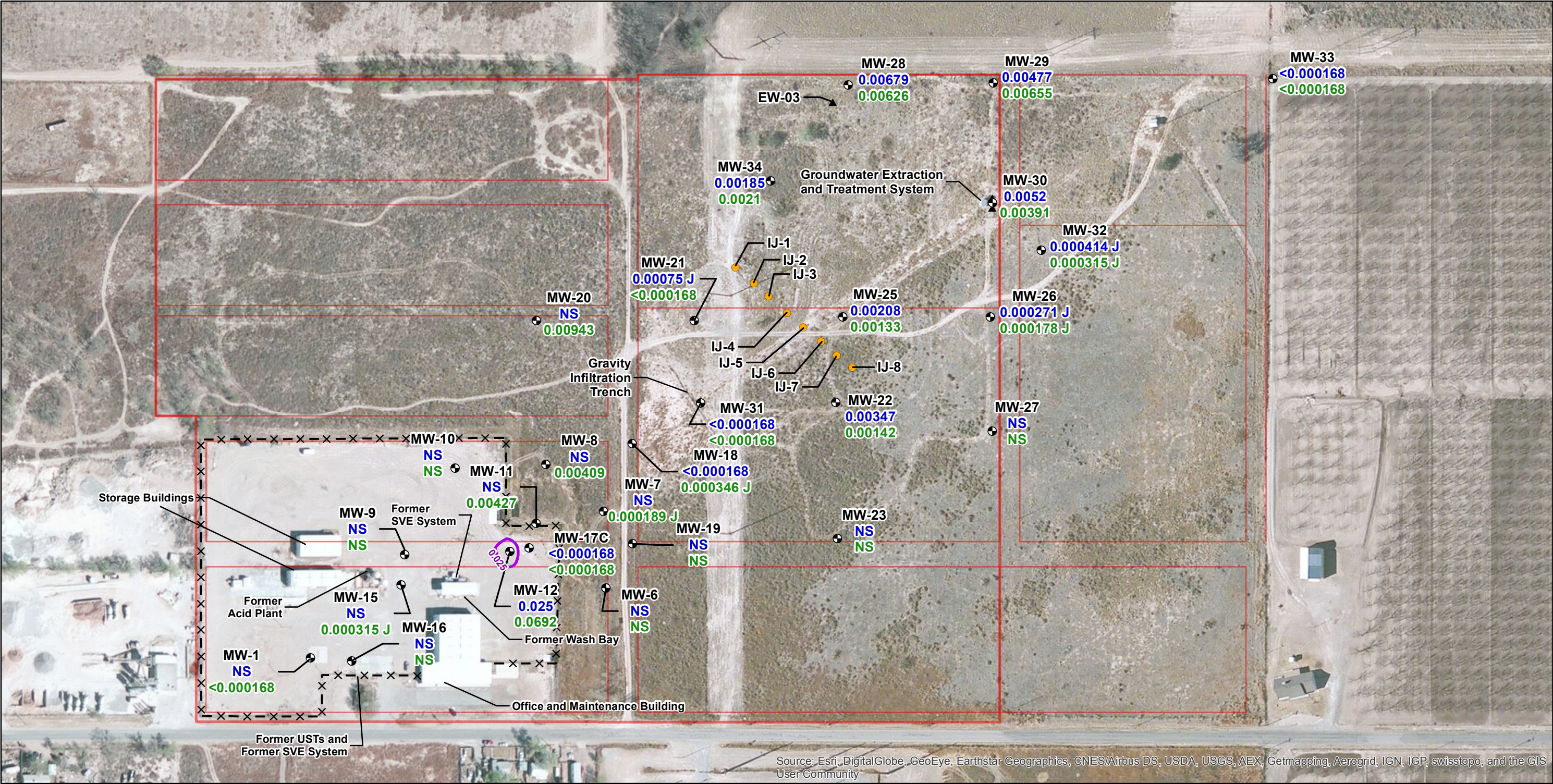


Figure 4
Potentiometric Surface Map - October 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico



LEGEND

- Property Line
- Right of Way Boundary
- Fence
- Groundwater Extraction Well
- Injection Well
- Monitoring Well

- 0.025 mg/L NMWQCC Standard for 1,1-DCA Isopleth (same for both events)
- 0.025 1,1-DCA Concentration mg/L measured in April 2015
- NS Not Sampled in April 2015
- 0.025 1,1-DCA Concentration mg/L measured in November 2015
- NS Not Sampled in November 2015

Notes:
<0.001 = analyte not detected at concentration above detection limit shown
DCA = dichloroethane
J = Analyte detected at concentration above instrument detection limit but below method detection limit
mg/L= milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
SVE = soil vapor extraction
UST = underground storage tank

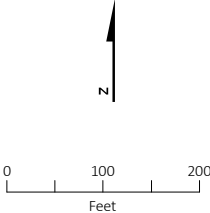
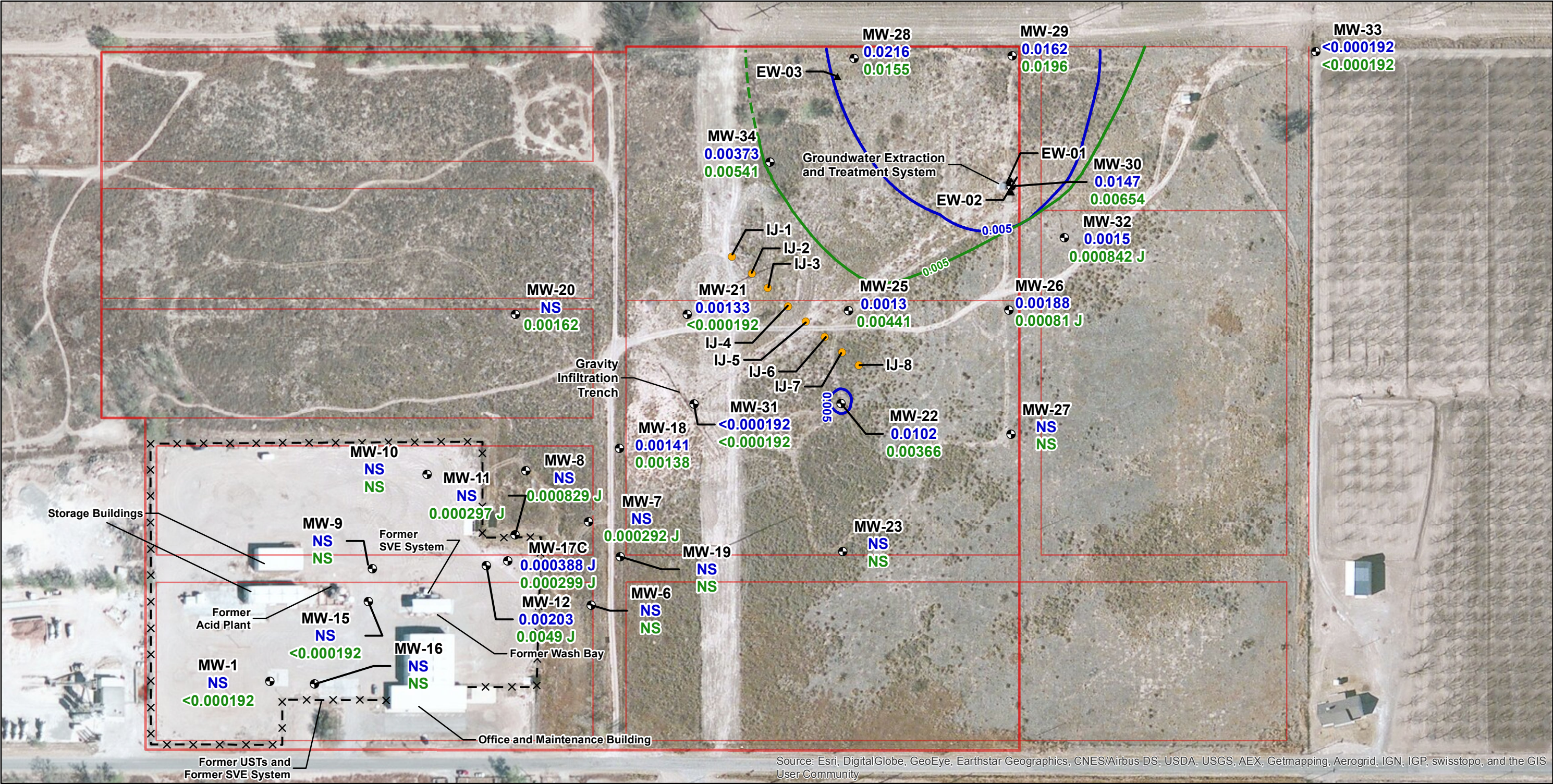


Figure 5
Isopleth Map for 1,1-DCA - 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico



- Property Line
 - Right of Way Boundary
 - Fence
 - Groundwater Extraction Well
 - Injection Well
 - Monitoring Well
- | | |
|--|---|
| 0.005 mg/L NMWQCC Standard for 1,1-DCE Isopleth - April 2015 | 0.005 mg/L NMWQCC Standard for 1,1-DCE Isopleth - November 2015 |
| 0.025 | 0.025 |
| 1,1-DCE Concentration mg/L measured in April 2015 | 1,1-DCE Concentration mg/L measured in November 2015 |
| NS | NS |
| Not Sampled in April 2015 | Not Sampled in November 2015 |

Notes:
<0.001 = analyte not detected at concentration above detection limit shown
DCE = dichloroethene
J = Analyte detected at concentration above instrument detection limit but below method detection limit
mg/L = milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
SVE = soil vapor extraction
UST = underground storage tank

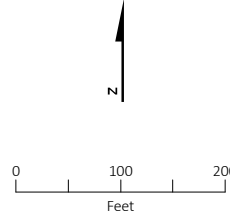
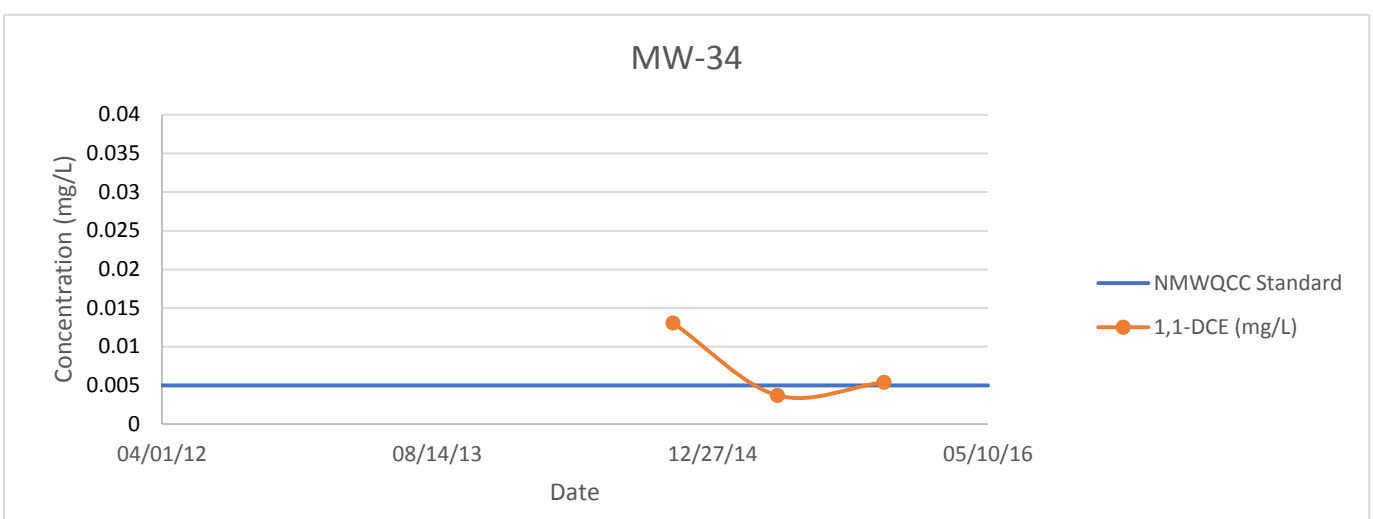
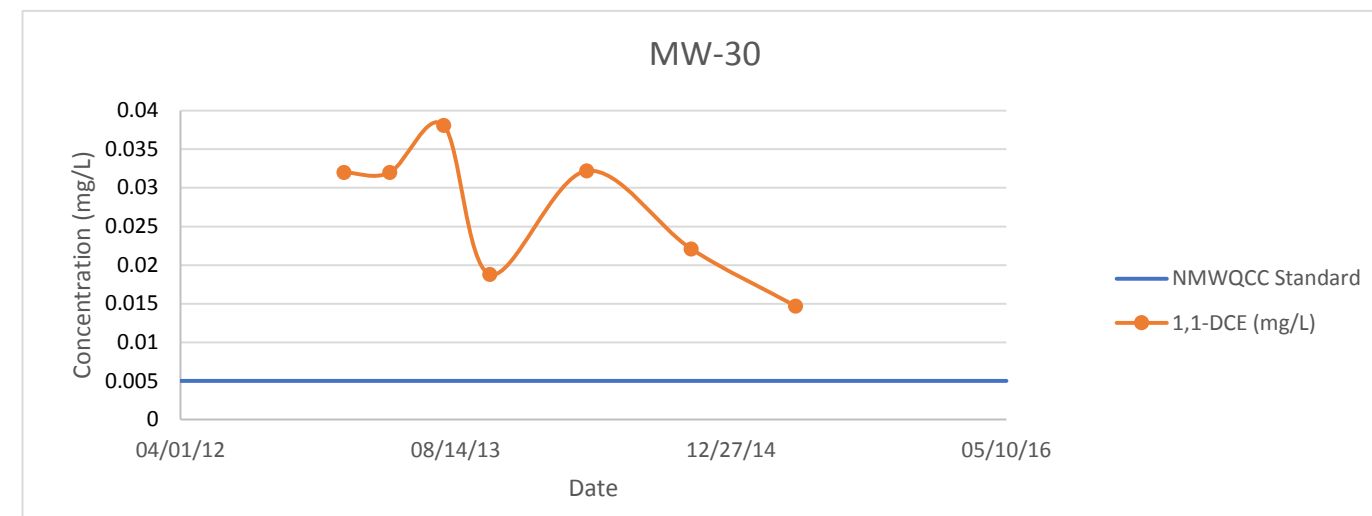
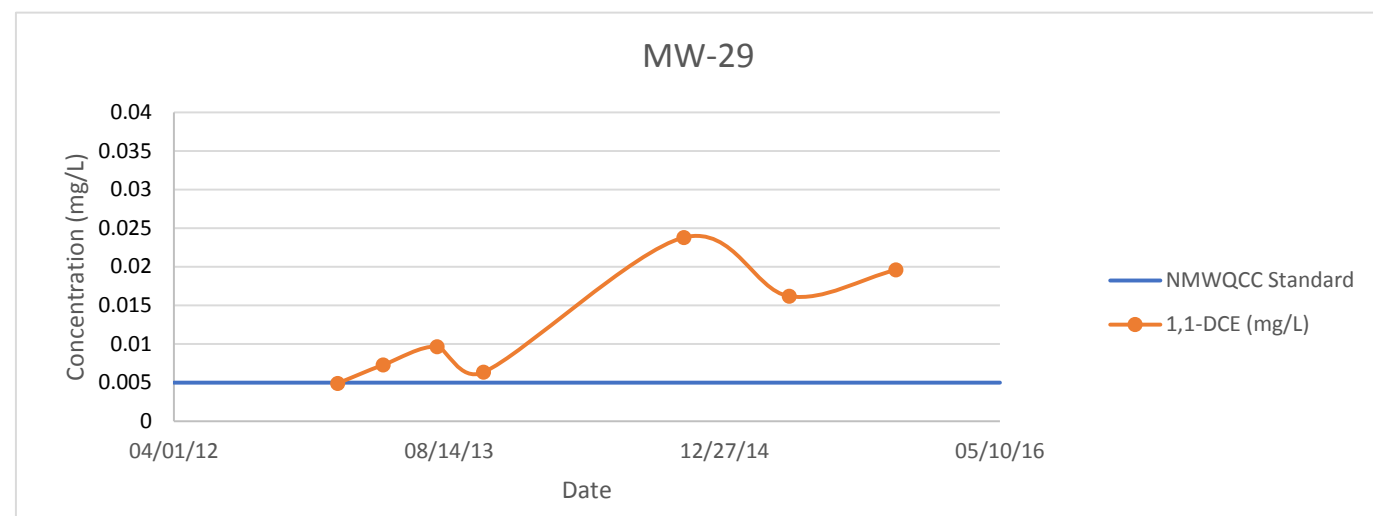
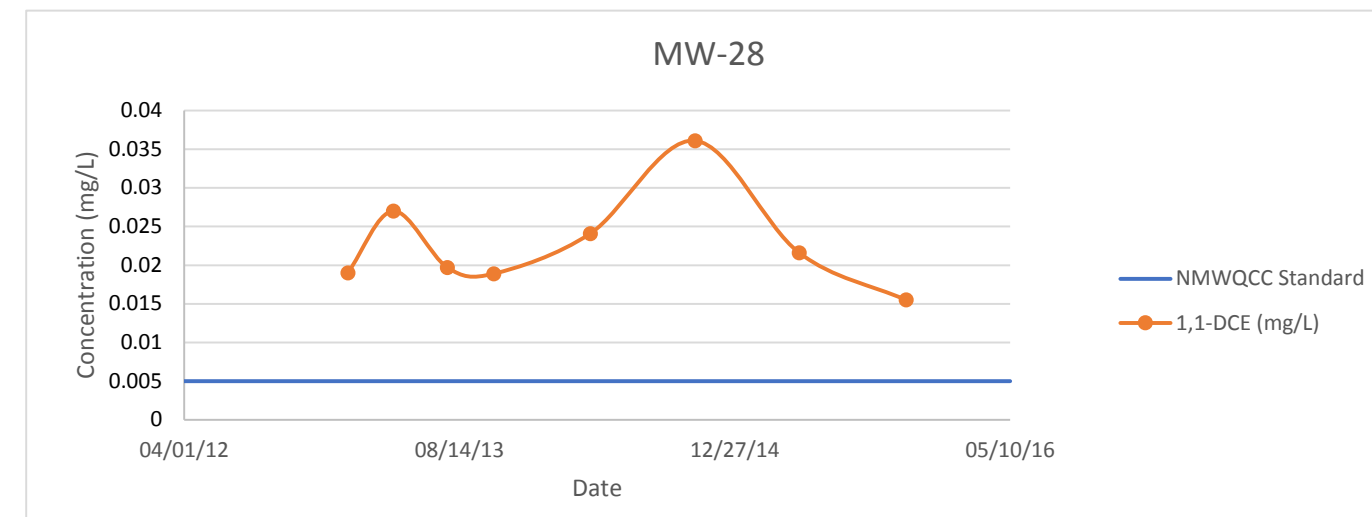
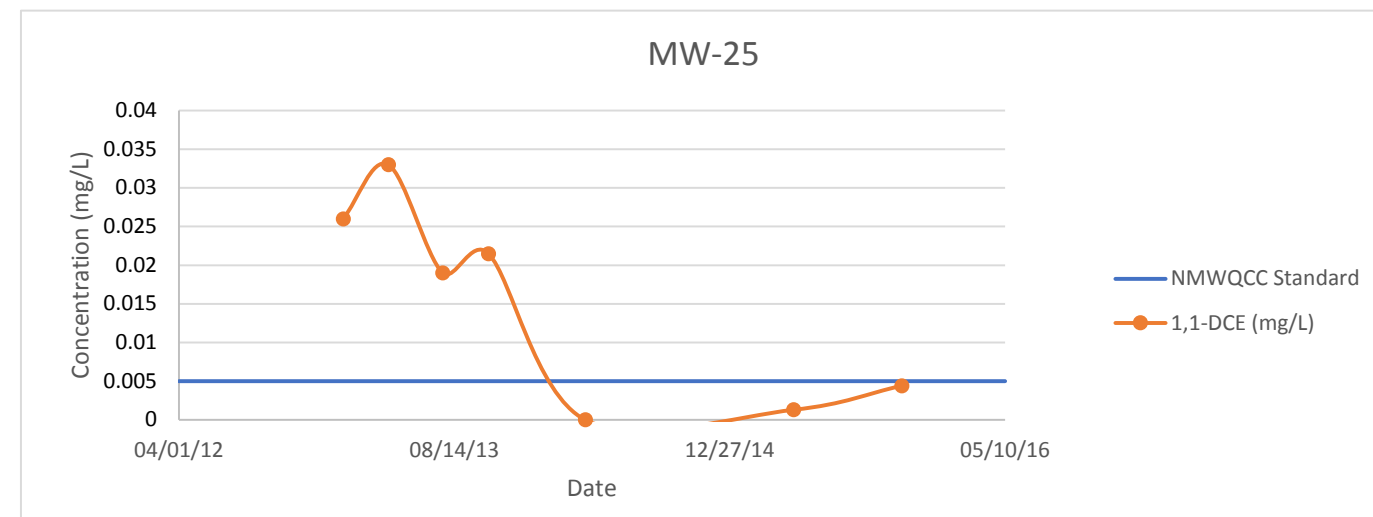


Figure 6
Isopleth Map for 1,1-DCE - 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico



Notes:

1,1-DCE = 1,1-dichloroethene

mg/L = milligram(s) per liter

NMWQCC = New Mexico Water Quality Control Standard

The NMWQCC standard for 1,1-DCE in groundwater

is 0.005 mg/L.

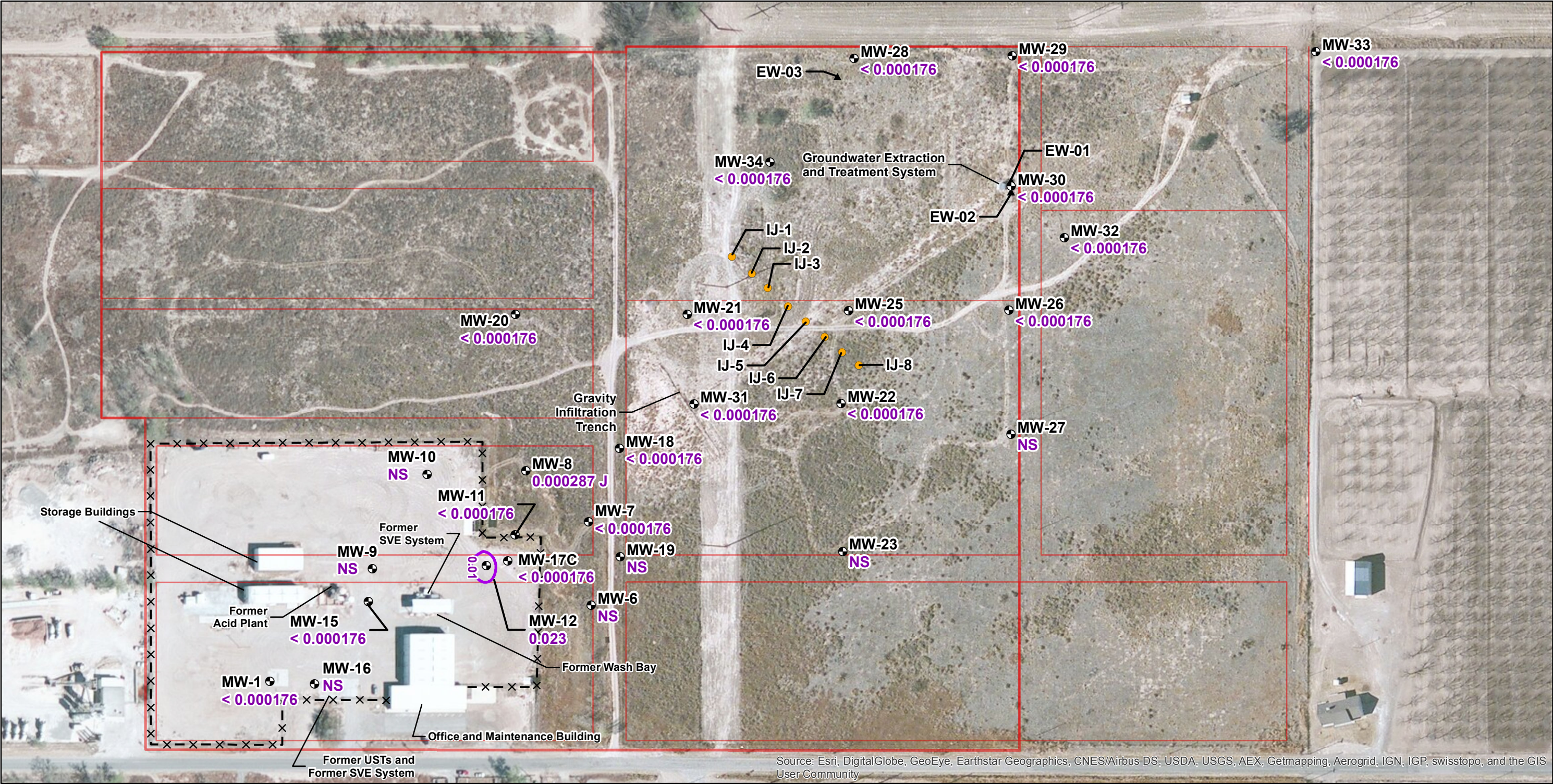
Figure 7.

Concentration Trends for 1,1-DCE in the Downgradient Plume from 2013 to 2015

2015 Annual Groundwater Monitoring Report

Former Dowell Schlumberger Facility, Artesia, New Mexico





LEGEND

—

Property Line

—

Right of Way Boundary

× — ×

Fence

▲

Groundwater Extraction Well

●

Injection Well

⊕

Monitoring Well

0.01

0.01 mg/L NMWQCC Standard for Benzene Isopleth (Dashed where inferred)

0.01

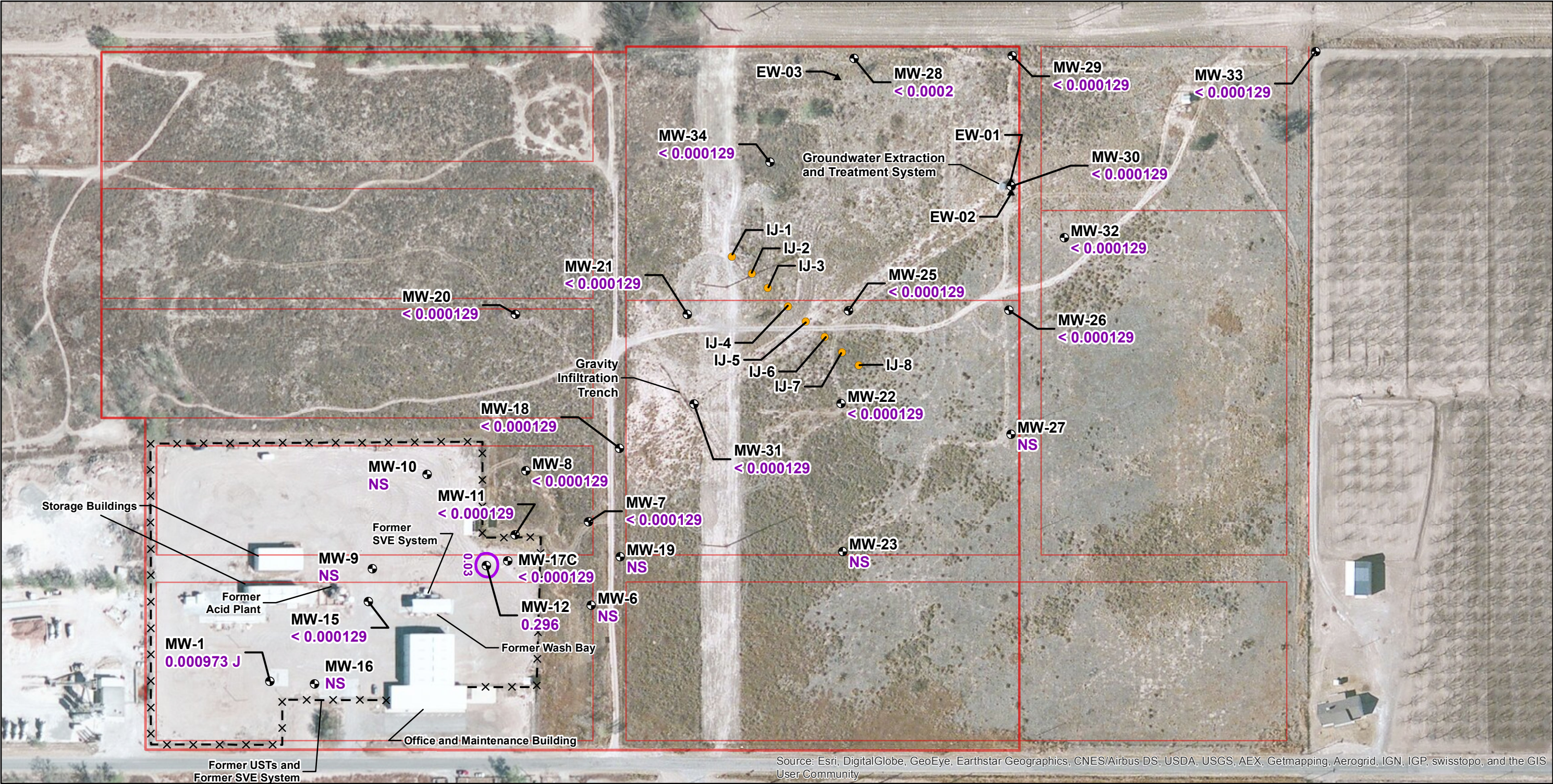
Benzene Concentration mg/L

NS

Not Sampled

Notes:
<0.001 = analyte not detected at concentration above detection limit shown
J = Analyte detected at concentration above instrument detection limit but below method detection limit
mg/L = milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
SVE = soil vapor extraction
UST = underground storage tank

Figure 8
Isopleth Map for Benzene - November 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico



LEGEND

- Property Line
- Right of Way Boundary
- Fence
- Groundwater Extraction Well
- Injection Well
- Monitoring Well

- 0.03 mg/L NMWQCC Standard for Naphthalene Isopleth
- 0.03 Naphthalene Concentration mg/L
- NS Not Sampled

Notes:
<0.001 = analyte not detected at concentration above detection limit shown
J = Analyte detected at concentration above instrument detection limit but below method detection limit
mg/L= milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
SVE = soil vapor extraction
UST = underground storage tank

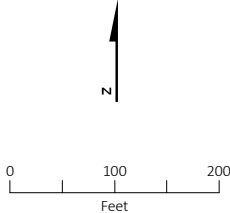
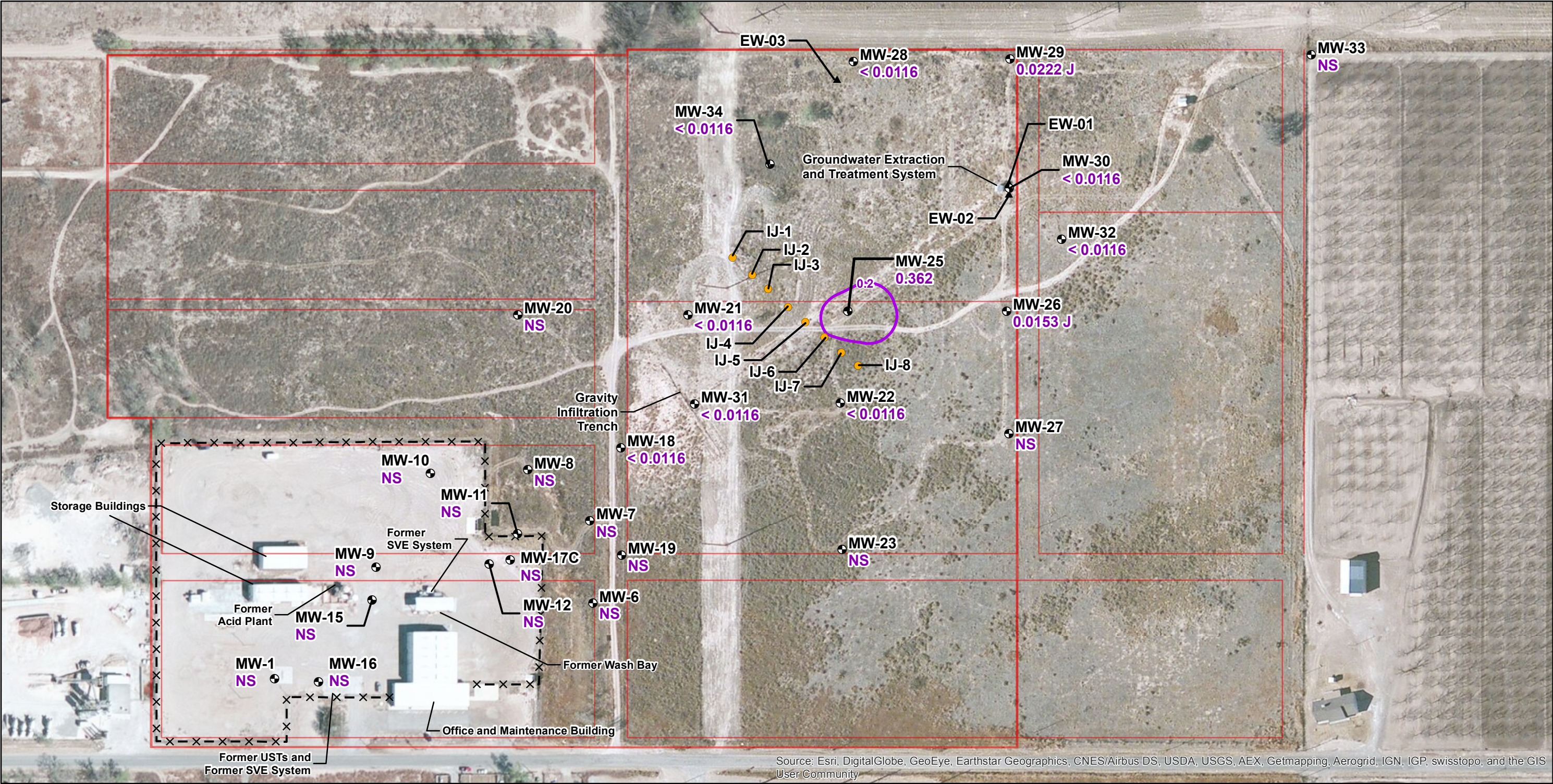


Figure 9
Isopleth Map for Naphthalene - November 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico



LEGEND

- Property Line
- Right of Way Boundary
- Fence
- Groundwater Extraction Well
- Injection Well
- Monitoring Well
- 0.2 mg/L NMWQCC Standard for Dissolved Mn Isopleth
- 0.2 Dissolved Mn Concentration mg/L
- NS Not Sampled

Notes:
<0.001 = analyte not detected at concentration above detection limit shown
J = Analyte detected at concentration above instrument detection limit but below method detection limit
mg/L= milligrams per liter
Mn = Manganese
NMWQCC = New Mexico Water Quality Control Commission
SVE = soil vapor extraction
UST = underground storage tank

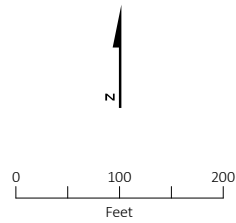


Figure 10
Isopleth Map for Dissolved Manganese - April 2015
2015 Annual Groundwater Monitoring Report
Former Dowell Schlumberger Facility
Artesia, New Mexico

Appendix A
Work Plan Amendments and
NMOCD Correspondence

Forsberg, Aleeca/ABQ

From: Hansen, Edward J., EMNRD <edwardj.hansen@state.nm.us>
Sent: Thursday, August 22, 2013 4:44 PM
To: cocianni-v@slb.com
Cc: VonGonten, Glenn, EMNRD; Strunk Jr, Jim (JStrunkJr@dow.com); Barnett, Cathy/STL; Minchak, Jeff/ABQ
Subject: Discharge Permit (GW-114) Work Plan (GW Remediation Program) Amendment Approval - Schlumberger Oilfield Services Facility - Artesia

**RE: Work Plan Amendment
for the Schlumberger Oilfield Services'
Schlumberger Oilfield Services Facility - Artesia
507 E. Richey Ave., Artesia, New Mexico
Discharge Permit (GW-114) Work Plan (GW Remediation Program) Amendment Approval**

Dear Mr. Cocianni:

The Oil Conservation Division (OCD) has received the Work Plan Amendment for the Schlumberger Oilfield Services Facility - Artesia, dated August 15, 2013. The proposed amendment, submitted for the above-referenced site, indicates that the Schlumberger Oilfield Services (Schlumberger) is substantially complying with the requirements of 20.6.2 NMAC [Water Quality Control Commission (WQCC) Regulations]. Therefore, the OCD conditionally approves the amendment to the work plan:

Schlumberger shall provide to the OCD for approval a demonstration that the WQCC standards for Manganese (0.2 mg/L) or Sulfate (600.0 mg/L) will not be exceeded in ground water at the site prior to initiation of the ISCO treatment. Also, Schlumberger must monitor for Manganese or Sulfate in ground water depending on the ISCO substrate used for the treatment.

If any other substrate other than permanganate or persulfate is proposed to be used, Schlumberger must obtain OCD approval prior to such use.

Please be advised that OCD approval of this amendment does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Forsberg, Aleeca/ABQ

From: Hansen, Edward J., EMNRD <edwardj.hansen@state.nm.us>
Sent: Thursday, August 22, 2013 4:39 PM
To: cocianni-v@slb.com
Cc: VonGonten, Glenn, EMNRD; Strunk Jr, Jim (JStrunkJr@dow.com); Barnett, Cathy/STL; Minchak, Jeff/ABQ
Subject: Discharge Permit (GW-114) Work Plan (Soil Investigation and Soil Vapor Extraction System Closure) Amendment Approval - Schlumberger Oilfield Services Facility - Artesia

**RE: Work Plan Amendment
for the Schlumberger Oilfield Services'
Schlumberger Oilfield Services Facility - Artesia
507 E. Richey Ave., Artesia, New Mexico
Discharge Permit (GW-114) Work Plan (Soil Investigation and Soil Vapor Extraction System Closure)
Amendment Approval**

Dear Mr. Cocianni:

The Oil Conservation Division (OCD) has received the Work Plan Amendment for the Schlumberger Oilfield Services Facility - Artesia, dated August 15, 2013. The proposed amendment, submitted for the above-referenced site, indicates that the Schlumberger Oilfield Services (Schlumberger) is substantially complying with the requirements of 20.6.2 NMAC [Water Quality Control Commission (WQCC) Regulations]. Therefore, the OCD conditionally approves the amendment to the work plan:

Schlumberger shall submit to the OCD for approval a soil investigation report and soil remediation plan prior to the Soil Vapor Extraction System Closure.

Please be advised that OCD approval of this amendment does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Forsberg, Aleeca/ABQ

From: Hansen, Edward J., EMNRD <edwardj.hansen@state.nm.us>
Sent: Monday, July 15, 2013 2:54 PM
To: Virgilio Cocianni
Cc: VonGonten, Glenn, EMNRD; Strunk Jr, Jim (JStrunkJr@dow.com); Barnett, Cathy/STL; Minchak, Jeff/ABQ
Subject: Discharge Permit (GW-114) Work Plan Amendment Approval - Schlumberger Oilfield Services Facility - Artesia

**RE: Work Plan Amendment
for the Schlumberger Oilfield Services'
Schlumberger Oilfield Services Facility - Artesia
507 E. Richey Ave., Artesia, New Mexico
Discharge Permit (GW-114) Work Plan Amendment Approval**

Dear Mr. Cocianni:

The New Mexico Oil Conservation Division (OCD) has received the Work Plan Amendment for the Schlumberger Oilfield Services Facility - Artesia, dated July 9, 2013. The proposed amendment, submitted for the above-referenced site, indicates that the Schlumberger Oilfield Services (Schlumberger) is substantially complying with the requirements of 20.6.2 NMAC [Water Quality Control Commission (WQCC) Regulations]. Therefore, the OCD conditionally approves the amendment to the work plan:

Schlumberger shall continue to submit an annual report to the OCD by April 1 of the following year.

Please be advised that OCD approval of this amendment does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

P.S.: The OCD has reviewed the Meeting Minutes of June 18, 2013. The OCD has two amendments to the meeting minutes:

- 1) The groundwater remediation for the site (including any investigation or source control) will continue under the discharge permit; i.e., the WQCC regulations, 20.6.2 NMAC (*not NMAC 19.15.29 as stated in the minutes*).
- 2) The discharge permit fee for remediation will be \$2,600 (*not \$2,400 as stated in the minutes*).

From: Virgilio Cocianni [mailto:cocianni-v@slb.com]
Sent: Tuesday, July 09, 2013 6:44 AM
To: Hansen, Edward J., EMNRD; VonGonten, Glenn, EMNRD
Cc: Strunk Jr, Jim (JStrunkJr@dow.com); Cathy Barnett (Cathy.Barnett@CH2M.com); Jeffrey.Minchak@CH2M.com
Subject: Artesia Meeting Notes

Good morning, Ed and Glenn.

Please find attached the minutes of the meeting we held in your offices on June 18th. Forgive us for the delay in getting these minutes to you. If you have any concerns about the content, please let me know.

As we discussed during the meeting, STC and Dow formally request to cease the quarterly reporting requirement and to continue only with the annual report. With your approval, the Second Quarter Monitoring Results report that you are about to receive will be the last quarterly report.

Have a wonderful week.

Best regards,

Vic.

Vic Cocianni

Schlumberger Remediation Manager

Phone: +1-281-285-4747

" Courage doesn't always roar. Sometimes courage is the little voice at the end of the day that says I'll try again tomorrow." Mary Ann Radmacher.

(Please continue to be patient with me, She is still making me).

Forsberg, Aleeca/ABQ

From: Hansen, Edward J., EMNRD <edwardj.hansen@state.nm.us>
Sent: Wednesday, September 18, 2013 1:52 PM
To: Virgilio Cocianni
Cc: VonGonten, Glenn, EMNRD; Strunk Jr, Jim (JStrunkJr@dow.com); Barnett, Cathy/STL; Laggan, Jennifer/DEN; Minchak, Jeff/ABQ
Subject: Discharge Permit (GW-114) Work Plan (GW Monitoring Program) Amendment Approval - Schlumberger Oilfield Services Facility - Artesia

**RE: Work Plan Amendment
for the Schlumberger Oilfield Services'
Schlumberger Oilfield Services Facility - Artesia
507 E. Richey Ave., Artesia, New Mexico
Discharge Permit (GW-114) Work Plan (GW Monitoring Program) Amendment Approval**

Dear Mr. Cocianni:

The Oil Conservation Division (OCD) has received the Work Plan Amendment for the Schlumberger Oilfield Services Facility - Artesia, dated September 17, 2013. The proposed amendment, submitted for the above-referenced site, indicates that the Schlumberger Oilfield Services (Schlumberger) is substantially complying with the requirements of 20.6.2 NMAC [Water Quality Control Commission (WQCC) Regulations]. Therefore, the OCD conditionally approves the amendment to the work plan:

Schlumberger shall continue to monitoring ground water at MW-1 and MW-20 at least annually.

Schlumberger may discontinue monitoring ground water at MW-19.

Schlumberger shall use a cement grout with 1% to 3% bentonite and a 3-foot cap of cement to the surface when plugging the monitoring wells.

Schlumberger shall submit to OCD a plugging report within 180 days.

Please be advised that OCD approval of this amendment does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

Appendix B

Analytical Laboratory Reports

ANALYTICAL REPORT

Job Number: 600-110437-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923
Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Manager I
5/5/2015 6:19 PM

Cathy L Upton, Project Manager I
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
05/05/2015

cc: Rick Dobbins
Luke Hill
Jeffrey Minchak

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

TestAmerica Laboratories, Inc.

TestAmerica Houston 6310 Rothway Street, Houston, TX 77040
Tel (713) 690-4444 Fax (713) 690-5646 www.testamericainc.com



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CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-110437-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 04/23/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ARTESIA-MW17C-04222015 (600-110437-1), ARTESIA-MW12-04222015 (600-110437-2), TRIP BLANK (600-110437-3), ARTESIA-MW18-04222015 (600-110437-4), ARTESIA-MW21-04222015 (600-110437-5), ARTESIA-MW22-04222015 (600-110437-6), ARTESIA-DUP01-04222015 (600-110437-7) and ARTESIA-MW25-04222015 (600-110437-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/28/2015 and 04/29/2015.

Chloroethane failed the recovery criteria high for LCS 600-161246/3. Chloroethane failed the recovery criteria high for LCSD 600-161246/4. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

The continuing calibration verification (CCV) associated with batch 161166 recovered above the upper control limit for Trichlorofluoromethane (40.5%). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 161246 recovered above the upper control limit for Chloroethane (72.3%). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The following compound was below control limits in the continuing calibration verification (CCV) associated with batch 161246: Dichlorodifluoromethane (-45.2%). This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and its recovery difference is more than 35% but less than 50%; which is acceptable per the SOP.

Sample ARTESIA-MW12-04222015 (600-110437-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples ARTESIA-MW18-04222015 (600-110437-4), ARTESIA-MW21-04222015 (600-110437-5), ARTESIA-MW22-04222015 (600-110437-6), ARTESIA-DUP01-04222015 (600-110437-7) and ARTESIA-MW25-04222015 (600-110437-8) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared and analyzed on 04/28/2015.

Manganese, Dissolved failed the recovery criteria high for the MS/MSD of sample 600-110402-1 in batch 560-115318. Sample matrix interference is suspected since the associated laboratory control sample (LCS) recovery was within acceptance limits.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-110437-1	ARTESIA-MW17C-04222015	Water	04/22/2015 0847	04/23/2015 1008
600-110437-2	ARTESIA-MW12-04222015	Water	04/22/2015 0930	04/23/2015 1008
600-110437-3	TRIP BLANK	Water	04/22/2015 0000	04/23/2015 1008
600-110437-4	ARTESIA-MW18-04222015	Water	04/22/2015 1248	04/23/2015 1008
600-110437-5	ARTESIA-MW21-04222015	Water	04/22/2015 1342	04/23/2015 1008
600-110437-6	ARTESIA-MW22-04222015	Water	04/22/2015 1425	04/23/2015 1008
600-110437-7	ARTESIA-DUP01-04222015	Water	04/22/2015 1630	04/23/2015 1008
600-110437-8	ARTESIA-MW25-04222015	Water	04/22/2015 1520	04/23/2015 1008

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-110437-1 ARTESIA-MW17C-04222015						
1,1-Dichloroethene		0.388	J	1.00	ug/L	8260B
Trichloroethene		0.258	J	1.00	ug/L	8260B
600-110437-2 ARTESIA-MW12-04222015						
Benzene		9.53		1.00	ug/L	8260B
Chlorobenzene		0.211	J	1.00	ug/L	8260B
cis-1,2-Dichloroethene		39.5		1.00	ug/L	8260B
1,1-Dichloroethane		25.0		1.00	ug/L	8260B
1,1-Dichloroethene		2.03		1.00	ug/L	8260B
Ethylbenzene		18.9		1.00	ug/L	8260B
Isopropylbenzene		38.3		1.00	ug/L	8260B
m-Xylene & p-Xylene		9.64		1.00	ug/L	8260B
Naphthalene		20.4		2.00	ug/L	8260B
n-Butylbenzene		2.99		1.00	ug/L	8260B
N-Propylbenzene		9.98		1.00	ug/L	8260B
o-Xylene		0.524	J	1.00	ug/L	8260B
p-Isopropyltoluene		0.871	J	1.00	ug/L	8260B
sec-Butylbenzene		3.91		1.00	ug/L	8260B
Tetrachloroethene		1.60		1.00	ug/L	8260B
Trichloroethene		2.42		1.00	ug/L	8260B
1,2,4-Trimethylbenzene		72.6		10.0	ug/L	8260B
1,3,5-Trimethylbenzene		0.661	J	1.00	ug/L	8260B
Xylenes, Total		10.2		2.00	ug/L	8260B
600-110437-4 ARTESIA-MW18-04222015						
1,1-Dichloroethene		1.41		1.00	ug/L	8260B
Tetrachloroethene		1.45		1.00	ug/L	8260B
Trichloroethene		0.295	J	1.00	ug/L	8260B
1,2,4-Trimethylbenzene		0.274	J	1.00	ug/L	8260B
600-110437-5 ARTESIA-MW21-04222015						
1,1-Dichloroethane		0.750	J	1.00	ug/L	8260B
1,1-Dichloroethene		1.33		1.00	ug/L	8260B
Tetrachloroethene		1.07		1.00	ug/L	8260B
Trichloroethene		0.300	J	1.00	ug/L	8260B
600-110437-6 ARTESIA-MW22-04222015						
1,1-Dichloroethane		3.47		1.00	ug/L	8260B
1,1-Dichloroethene		10.2		1.00	ug/L	8260B
Tetrachloroethene		11.5		1.00	ug/L	8260B
Trichloroethene		2.65		1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-110437-7	ARTESIA-DUP01-04222015					
1,1-Dichloroethane		3.71		1.00	ug/L	8260B
1,1-Dichloroethene		11.1		1.00	ug/L	8260B
Tetrachloroethene		12.2		1.00	ug/L	8260B
Trichloroethene		2.89		1.00	ug/L	8260B
600-110437-8	ARTESIA-MW25-04222015					
1,1-Dichloroethane		2.08		1.00	ug/L	8260B
1,1-Dichloroethene		1.30		1.00	ug/L	8260B
Tetrachloroethene		5.45		1.00	ug/L	8260B
Trichloroethene		0.639	J	1.00	ug/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.362	*	0.0500	mg/L	6020

METHOD SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Total Metals	TAL CC		SW846 3010A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Method	Analyst	Analyst ID
SW846 8260B	Xie, Yali	YX1
SW846 6020	Mathewson, John E	JEM

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW17C-04222015

Lab Sample ID: 600-110437-1

Date Sampled: 04/22/2015 0847

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11806.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1513			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1513				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 139
Dibromofluoromethane	86		62 - 130
1,2-Dichloroethane-d4 (Surr)	79		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW17C-04222015

Lab Sample ID: 600-110437-1

Date Sampled: 04/22/2015 0847

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11907.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1441			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1441				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.388	J	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW17C-04222015

Lab Sample ID: 600-110437-1

Date Sampled: 04/22/2015 0847

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-161246	Instrument ID: CHVOAMS01
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C11907.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 04/29/2015 1441		Final Weight/Volume: 20 mL
Prep Date: 04/29/2015 1441		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.258	J	0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 139
Dibromofluoromethane	92		62 - 130
1,2-Dichloroethane-d4 (Surr)	90		50 - 134
Toluene-d8 (Surr)	92		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW12-04222015

Lab Sample ID: 600-110437-2

Date Sampled: 04/22/2015 0930

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11807.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1539			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1539				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 139
Dibromofluoromethane	86		62 - 130
1,2-Dichloroethane-d4 (Surr)	79		50 - 134
Toluene-d8 (Surr)	92		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW12-04222015

Lab Sample ID: 600-110437-2

Date Sampled: 04/22/2015 0930

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11913.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1717			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1717				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	9.53		0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.211	J	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	39.5		0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	25.0		0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	2.03		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	18.9		0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	38.3		0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	9.64		0.205	1.00
Naphthalene	20.4		0.129	2.00
n-Butylbenzene	2.99		0.212	1.00
N-Propylbenzene	9.98		0.230	1.00
o-Xylene	0.524	J	0.192	1.00
p-Isopropyltoluene	0.871	J	0.228	1.00
sec-Butylbenzene	3.91		0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW12-04222015

Lab Sample ID: 600-110437-2

Date Sampled: 04/22/2015 0930

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11913.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1717			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1717				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	1.60		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	2.42		0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.661	J	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	10.2		0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 139
Dibromofluoromethane	94		62 - 130
1,2-Dichloroethane-d4 (Surr)	90		50 - 134
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW12-04222015

Lab Sample ID: 600-110437-2

Date Sampled: 04/22/2015 0930

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11819.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 2025	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 2025				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trimethylbenzene	72.6		2.15	10.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 139
Dibromofluoromethane	90		62 - 130
1,2-Dichloroethane-d4 (Surr)	84		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-110437-3

Date Sampled: 04/22/2015 0000

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11814.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1447			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1447				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 139
Dibromofluoromethane	84		62 - 130
1,2-Dichloroethane-d4 (Surr)	76		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-110437-3

Date Sampled: 04/22/2015 0000

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11906.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1415			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1415				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.192	U	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-110437-3

Date Sampled: 04/22/2015 0000

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11906.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1415			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1415				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.138	U	0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 139
Dibromofluoromethane	93		62 - 130
1,2-Dichloroethane-d4 (Surr)	94		50 - 134
Toluene-d8 (Surr)	93		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW18-04222015

Lab Sample ID: 600-110437-4

Date Sampled: 04/22/2015 1248

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11808.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1605			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1605				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.274	J	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 139
Dibromofluoromethane	86		62 - 130
1,2-Dichloroethane-d4 (Surr)	82		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW18-04222015

Lab Sample ID: 600-110437-4

Date Sampled: 04/22/2015 1248

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11908.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1507			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1507				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	1.41		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW18-04222015

Lab Sample ID: 600-110437-4

Date Sampled: 04/22/2015 1248

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11908.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1507			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1507				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	1.45		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.295	J	0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 139
Dibromofluoromethane	93		62 - 130
1,2-Dichloroethane-d4 (Surr)	89		50 - 134
Toluene-d8 (Surr)	93		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW21-04222015

Lab Sample ID: 600-110437-5

Date Sampled: 04/22/2015 1342

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11809.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1631			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1631				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 139
Dibromofluoromethane	87		62 - 130
1,2-Dichloroethane-d4 (Surr)	82		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW21-04222015

Lab Sample ID: 600-110437-5

Date Sampled: 04/22/2015 1342

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11909.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1533			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1533				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.750	J	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	1.33		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW21-04222015

Lab Sample ID: 600-110437-5

Date Sampled: 04/22/2015 1342

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-161246	Instrument ID: CHVOAMS01
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C11909.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 04/29/2015 1533		Final Weight/Volume: 20 mL
Prep Date: 04/29/2015 1533		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	1.07		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.300	J	0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 139
Dibromofluoromethane	94		62 - 130
1,2-Dichloroethane-d4 (Surr)	90		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW22-04222015

Lab Sample ID: 600-110437-6

Date Sampled: 04/22/2015 1425

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11810.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1657			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1657				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 139
Dibromofluoromethane	88		62 - 130
1,2-Dichloroethane-d4 (Surr)	82		50 - 134
Toluene-d8 (Surr)	95		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW22-04222015

Lab Sample ID: 600-110437-6

Date Sampled: 04/22/2015 1425

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11910.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1559			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1559				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	3.47		0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	10.2		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW22-04222015

Lab Sample ID: 600-110437-6

Date Sampled: 04/22/2015 1425

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11910.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1559			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1559				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	11.5		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	2.65		0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 139
Dibromofluoromethane	89		62 - 130
1,2-Dichloroethane-d4 (Surr)	86		50 - 134
Toluene-d8 (Surr)	92		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-DUP01-04222015

Lab Sample ID: 600-110437-7

Date Sampled: 04/22/2015 1630

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11811.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1723			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1723				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 139
Dibromofluoromethane	89		62 - 130
1,2-Dichloroethane-d4 (Surr)	83		50 - 134
Toluene-d8 (Surr)	97		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-DUP01-04222015

Lab Sample ID: 600-110437-7

Date Sampled: 04/22/2015 1630

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11911.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1625			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1625				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	3.71		0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	11.1		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-DUP01-04222015

Lab Sample ID: 600-110437-7

Date Sampled: 04/22/2015 1630

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-161246	Instrument ID: CHVOAMS01
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C11911.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 04/29/2015 1625		Final Weight/Volume: 20 mL
Prep Date: 04/29/2015 1625		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	12.2		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	2.89		0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 139
Dibromofluoromethane	95		62 - 130
1,2-Dichloroethane-d4 (Surr)	89		50 - 134
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW25-04222015

Lab Sample ID: 600-110437-8

Date Sampled: 04/22/2015 1520

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11812.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1749			Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 139
Dibromofluoromethane	90		62 - 130
1,2-Dichloroethane-d4 (Surr)	85		50 - 134
Toluene-d8 (Surr)	95		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW25-04222015

Lab Sample ID: 600-110437-8

Date Sampled: 04/22/2015 1520

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11912.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1651			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1651				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U *	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	2.08		0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	1.30		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW25-04222015

Lab Sample ID: 600-110437-8

Date Sampled: 04/22/2015 1520

Client Matrix: Water

Date Received: 04/23/2015 1008

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C11912.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1651			Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1651				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	5.45		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.639	J	0.138	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 139
Dibromofluoromethane	91		62 - 130
1,2-Dichloroethane-d4 (Surr)	85		50 - 134
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW18-04222015

Lab Sample ID: 600-110437-4

Date Sampled: 04/22/2015 1248

Client Matrix: Water

Date Received: 04/23/2015 1008

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	560-115318	Instrument ID:	Micpms
Prep Method:	3010A	Prep Batch:	560-115257	Lab File ID:	099SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2141			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U *	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW21-04222015

Lab Sample ID: 600-110437-5

Date Sampled: 04/22/2015 1342

Client Matrix: Water

Date Received: 04/23/2015 1008

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	560-115318	Instrument ID:	Micpms
Prep Method:	3010A	Prep Batch:	560-115257	Lab File ID:	100SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2146			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U *	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW22-04222015

Lab Sample ID: 600-110437-6

Date Sampled: 04/22/2015 1425

Client Matrix: Water

Date Received: 04/23/2015 1008

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	560-115318	Instrument ID:	Micpms
Prep Method:	3010A	Prep Batch:	560-115257	Lab File ID:	101SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2152			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U *	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-DUP01-04222015

Lab Sample ID: 600-110437-7

Date Sampled: 04/22/2015 1630

Client Matrix: Water

Date Received: 04/23/2015 1008

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	560-115318	Instrument ID:	Micpms
Prep Method:	3010A	Prep Batch:	560-115257	Lab File ID:	102SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2158			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U *	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Client Sample ID: ARTESIA-MW25-04222015

Lab Sample ID: 600-110437-8

Date Sampled: 04/22/2015 1520

Client Matrix: Water

Date Received: 04/23/2015 1008

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	560-115318	Instrument ID:	Micpms
Prep Method:	3010A	Prep Batch:	560-115257	Lab File ID:	103SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2203			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.362	*	0.0116	0.0500

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-110437-1	ARTESIA-MW71C-042 22015	86	79	94	100
600-110437-1	ARTESIA-MW17C-042 22015	92	90	92	98
600-110437-2	ARTESIA-MW12-042 22015	86	79	92	98
600-110437-2 DL	ARTESIA-MW12-042 22015 DL	90	84	94	98
600-110437-2	ARTESIA-MW12-042 22015	94	90	96	101
600-110437-3	TRIP BLANK	84	76	94	100
600-110437-3	TRIP BLANK	93	94	93	98
600-110437-4	ARTESIA-MW18-042 22015	86	82	94	99
600-110437-4	ARTESIA-MW18-042 22015	93	89	93	98
600-110437-5	ARTESIA-MW21-042 22015	87	82	94	99
600-110437-5	ARTESIA-MW21-042 22015	94	90	94	100
600-110437-6	ARTESIA-MW22-042 22015	88	82	95	101
600-110437-6	ARTESIA-MW22-042 22015	89	86	92	98
600-110437-7	ARTESIA-DUP01-042 22015	89	83	97	102
600-110437-7	ARTESIA-DUP01-042 22015	95	89	96	102
600-110437-8	ARTESIA-MW25-042 22015	90	85	95	102
600-110437-8	ARTESIA-MW25-042 22015	91	85	94	100
MB 600-161166/6		85	79	95	101
MB 600-161246/6		94	98	92	96
LCS 600-161166/3		91	79	97	108
LCS 600-161246/3		100	97	94	98

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
LCSD 600-161166/4		93	81	97	108
LCSD 600-161246/4		101	98	93	99

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Method Blank - Batch: 600-161166

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 600-161166/6	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11805.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1421	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1421				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	67 - 139
Dibromofluoromethane	85	62 - 130
1,2-Dichloroethane-d4 (Surr)	79	50 - 134
Toluene-d8 (Surr)	95	70 - 130

Lab Control Sample/

Method: 8260B
Preparation: 5030B

Lab Control Sample Duplicate Recovery Report - Batch: 600-161166

LCS Lab Sample ID:	LCS 600-161166/3	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11802.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1304	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1304				20 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-161166/4	Analysis Batch:	600-161166	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11803.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/28/2015 1330	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/28/2015 1330				20 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Trichlorofluoromethane	139	146	43 - 150	5	20		
1,2,4-Trimethylbenzene	111	109	70 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	108	67 - 139
Dibromofluoromethane	91	93	62 - 130
1,2-Dichloroethane-d4 (Surr)	79	81	50 - 134
Toluene-d8 (Surr)	97	97	70 - 130

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-161166**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 600-161166/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/28/2015 1304
Prep Date: 04/28/2015 1304
Leach Date: N/A

LCSD Lab Sample ID: LCSD 600-161166/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/28/2015 1330
Prep Date: 04/28/2015 1330
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Trichlorofluoromethane	10.0	10.0	13.93	14.62
1,2,4-Trimethylbenzene	10.0	10.0	11.12	10.86

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Method Blank - Batch: 600-161246

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-161246/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/29/2015 1348
 Prep Date: 04/29/2015 1348
 Leach Date: N/A

Analysis Batch: 600-161246
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS01
 Lab File ID: C11905.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.192	U	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Method Blank - Batch: 600-161246

Method: 8260B Preparation: 5030B

Lab Sample ID:	MB 600-161246/6	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1348	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1348				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.216	U	0.216	1.00
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.138	U	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	67 - 139
Dibromofluoromethane	94	62 - 130
1,2-Dichloroethane-d4 (Surr)	98	50 - 134
Toluene-d8 (Surr)	92	70 - 130

Lab Control Sample - Batch: 600-161246

Method: 8260B Preparation: 5030B

Lab Sample ID:	LCS 600-161246/3	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11902.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1212	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1212				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	10.0	10.86	109	46 - 150	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-161246

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-161246/3	Analysis Batch: 600-161246	Instrument ID: CHVOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C11902.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/29/2015 1212	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/29/2015 1212		20 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 600-161246/4	Analysis Batch: 600-161246	Instrument ID: CHVOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C11903.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/29/2015 1244	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/29/2015 1244		20 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	98	93	70 - 130	5	20		
Bromobenzene	105	100	70 - 130	5	20		
Bromochloromethane	94	90	58 - 130	4	20		
Bromodichloromethane	113	107	70 - 131	6	20		
Bromoform	125	121	54 - 133	3	20		
Bromomethane	47	46	25 - 150	1	20		
2-Butanone (MEK)	127	125	41 - 141	1	20		
Carbon tetrachloride	95	93	70 - 144	3	20		
Chlorobenzene	100	96	69 - 130	5	20		
Chlorodibromomethane	118	114	62 - 130	4	20		
Chloroethane	154	158	47 - 150	3	20	*	*
2-Chloroethyl vinyl ether	68	74	10 - 150	9	20		
Chloroform	101	96	70 - 130	5	20		
Chloromethane	68	64	10 - 150	6	20		
2-Chlorotoluene	94	89	65 - 130	5	20		
4-Chlorotoluene	95	90	70 - 130	5	20		
cis-1,2-Dichloroethene	99	97	68 - 130	2	20		
cis-1,3-Dichloropropene	107	102	57 - 130	5	20		
1,2-Dibromo-3-Chloropropane	117	117	41 - 142	0	20		
Dibromomethane	116	110	70 - 130	5	20		
1,2-Dichlorobenzene	100	95	70 - 130	4	20		
1,3-Dichlorobenzene	94	90	70 - 130	4	20		
1,4-Dichlorobenzene	99	94	70 - 130	5	20		
Dichlorodifluoromethane	36	41	10 - 150	14	20		
1,1-Dichloroethane	105	103	70 - 140	2	20		
1,2-Dichloroethane	112	107	67 - 134	4	20		
1,1-Dichloroethene	94	93	58 - 148	1	20		
1,2-Dichloropropane	110	105	70 - 130	4	20		
1,3-Dichloropropane	114	110	70 - 130	4	20		
2,2-Dichloropropane	94	89	64 - 149	6	20		
1,1-Dichloropropene	104	102	70 - 137	2	20		
Ethylbenzene	100	95	70 - 130	5	20		
Ethylene Dibromide	117	113	67 - 130	3	20		
Hexachlorobutadiene	106	105	55 - 150	0	20		
Isopropylbenzene	91	88	65 - 132	4	20		
Methylene Chloride	98	95	55 - 147	4	20		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-161246**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID:	LCS 600-161246/3	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11902.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1212	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1212				20 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 600-161246/4	Analysis Batch:	600-161246	Instrument ID:	CHVOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C11903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/29/2015 1244	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/29/2015 1244				20 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	122	120	56 - 132	2	20		
m-Xylene & p-Xylene	100	96	70 - 130	4	20		
Naphthalene	105	103	10 - 150	1	20		
n-Butylbenzene	94	91	70 - 130	4	20		
N-Propylbenzene	92	88	69 - 130	4	20		
o-Xylene	101	96	70 - 130	5	20		
p-Isopropyltoluene	94	90	70 - 130	4	20		
sec-Butylbenzene	94	90	68 - 130	4	20		
Styrene	104	99	70 - 130	5	20		
tert-Butylbenzene	92	88	70 - 130	4	20		
1,1,1,2-Tetrachloroethane	108	104	70 - 130	4	20		
1,1,2,2-Tetrachloroethane	127	123	58 - 133	3	20		
Tetrachloroethene	97	94	47 - 150	3	20		
Toluene	94	90	70 - 130	4	20		
trans-1,2-Dichloroethene	95	93	68 - 131	2	20		
trans-1,3-Dichloropropene	124	119	60 - 130	4	20		
1,2,3-Trichlorobenzene	108	108	10 - 150	1	20		
1,1,1-Trichloroethane	97	95	70 - 136	3	20		
1,1,2-Trichloroethane	118	113	70 - 130	4	20		
Trichloroethene	99	96	70 - 130	3	20		
1,2,3-Trichloropropane	125	120	48 - 136	4	20		
1,3,5-Trimethylbenzene	92	88	69 - 130	4	20		
Vinyl chloride	90	95	33 - 150	5	20		
Xylenes, Total	100	96	70 - 130	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	99	67 - 139
Dibromofluoromethane	100	101	62 - 130
1,2-Dichloroethane-d4 (Surr)	97	98	50 - 134
Toluene-d8 (Surr)	94	93	70 - 130

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-161246

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-161246/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/29/2015 1212
Prep Date: 04/29/2015 1212
Leach Date: N/A

LCSD Lab Sample ID: LCSD 600-161246/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/29/2015 1244
Prep Date: 04/29/2015 1244
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	10.0	10.0	9.813	9.299
Bromobenzene	10.0	10.0	10.52	9.957
Bromochloromethane	10.0	10.0	9.394	9.049
Bromodichloromethane	10.0	10.0	11.31	10.70
Bromoform	10.0	10.0	12.47	12.09
Bromomethane	10.0	10.0	4.667	4.633
2-Butanone (MEK)	20.0	20.0	25.37	25.07
Carbon tetrachloride	10.0	10.0	9.510	9.268
Chlorobenzene	10.0	10.0	10.03	9.583
Chlorodibromomethane	10.0	10.0	11.83	11.40
Chloroethane	10.0	10.0	15.43	15.82
2-Chloroethyl vinyl ether	20.0	20.0	13.55	14.88
Chloroform	10.0	10.0	10.10	9.613
Chloromethane	10.0	10.0	6.764	6.383
2-Chlorotoluene	10.0	10.0	9.375	8.932
4-Chlorotoluene	10.0	10.0	9.519	9.049
cis-1,2-Dichloroethene	10.0	10.0	9.915	9.706
cis-1,3-Dichloropropene	10.0	10.0	10.71	10.22
1,2-Dibromo-3-Chloropropane	10.0	10.0	11.73	11.69
Dibromomethane	10.0	10.0	11.63	11.02
1,2-Dichlorobenzene	10.0	10.0	9.956	9.548
1,3-Dichlorobenzene	10.0	10.0	9.353	9.022
1,4-Dichlorobenzene	10.0	10.0	9.902	9.403
Dichlorodifluoromethane	10.0	10.0	3.601	4.144
1,1-Dichloroethane	10.0	10.0	10.54	10.31
1,2-Dichloroethane	10.0	10.0	11.17	10.74
1,1-Dichloroethene	10.0	10.0	9.424	9.331
1,2-Dichloropropane	10.0	10.0	11.03	10.55
1,3-Dichloropropane	10.0	10.0	11.43	10.96
2,2-Dichloropropane	10.0	10.0	9.448	8.936
1,1-Dichloropropene	10.0	10.0	10.40	10.16
Ethylbenzene	10.0	10.0	9.995	9.501
Ethylene Dibromide	10.0	10.0	11.69	11.30
Hexachlorobutadiene	10.0	10.0	10.57	10.55
Isopropylbenzene	10.0	10.0	9.128	8.766
Methylene Chloride	10.0	10.0	9.849	9.461
Methyl tert-butyl ether	10.0	10.0	12.23	11.95
m-Xylene & p-Xylene	10.0	10.0	9.967	9.551
Naphthalene	10.0	10.0	10.46	10.35

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-161246

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-161246/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/29/2015 1212
Prep Date: 04/29/2015 1212
Leach Date: N/A

LCSD Lab Sample ID: LCSD 600-161246/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/29/2015 1244
Prep Date: 04/29/2015 1244
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	10.0	10.0	9.445	9.059
N-Propylbenzene	10.0	10.0	9.152	8.817
o-Xylene	10.0	10.0	10.10	9.644
p-Isopropyltoluene	10.0	10.0	9.410	9.049
sec-Butylbenzene	10.0	10.0	9.396	9.019
Styrene	10.0	10.0	10.36	9.856
tert-Butylbenzene	10.0	10.0	9.175	8.838
1,1,1,2-Tetrachloroethane	10.0	10.0	10.85	10.42
1,1,2,2-Tetrachloroethane	10.0	10.0	12.69	12.31
Tetrachloroethene	10.0	10.0	9.728	9.441
Toluene	10.0	10.0	9.366	8.999
trans-1,2-Dichloroethene	10.0	10.0	9.517	9.346
trans-1,3-Dichloropropene	10.0	10.0	12.36	11.91
1,2,3-Trichlorobenzene	10.0	10.0	10.84	10.77
1,1,1-Trichloroethane	10.0	10.0	9.742	9.474
1,1,2-Trichloroethane	10.0	10.0	11.84	11.35
Trichloroethene	10.0	10.0	9.916	9.628
1,2,3-Trichloropropane	10.0	10.0	12.45	12.00
1,3,5-Trimethylbenzene	10.0	10.0	9.248	8.844
Vinyl chloride	10.0	10.0	8.984	9.468
Xylenes, Total	20.0	20.0	20.07	19.20

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Method Blank - Batch: 560-115257

Method: 6020

Preparation: 3010A

Lab Sample ID:	MB 560-115257/1-A	Analysis Batch:	560-115318	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115257	Lab File ID:	082SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2010	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Matrix Spike/

Method: 6020

Matrix Spike Duplicate Recovery Report - Batch: 560-115257

Preparation: 3010A

Dissolved

MS Lab Sample ID:	600-110402-C-1-B MS	Analysis Batch:	560-115318	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115257	Lab File ID:	086SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2031			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				
Leach Date:	N/A				

MSD Lab Sample ID:	600-110402-C-1-C MSD	Analysis Batch:	560-115318	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115257	Lab File ID:	087SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/28/2015 2037			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1300				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Manganese, Dissolved	125	126	80 - 120	1	20	F1	F1

Matrix Spike/

Method: 6020

Matrix Spike Duplicate Recovery Report - Batch: 560-115257

Preparation: 3010A

Dissolved

MS Lab Sample ID:	600-110402-C-1-B MS	Units:	mg/L	MSD Lab Sample ID:	600-110402-C-1-C MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/28/2015 2031			Analysis Date:	04/28/2015 2037
Prep Date:	04/28/2015 1300			Prep Date:	04/28/2015 1300
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Manganese, Dissolved	0.119	5.00	5.00	6.365 F1	6.405 F1

DATA REPORTING QUALIFIERS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-161166					
LCS 600-161166/3	Lab Control Sample	T	Water	8260B	
LCSD 600-161166/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-161166/6	Method Blank	T	Water	8260B	
600-110437-1	ARTESIA-MW17C-04222015	T	Water	8260B	
600-110437-2	ARTESIA-MW12-04222015	T	Water	8260B	
600-110437-2DL	ARTESIA-MW12-04222015	T	Water	8260B	
600-110437-3	TRIP BLANK	T	Water	8260B	
600-110437-4	ARTESIA-MW18-04222015	T	Water	8260B	
600-110437-5	ARTESIA-MW21-04222015	T	Water	8260B	
600-110437-6	ARTESIA-MW22-04222015	T	Water	8260B	
600-110437-7	ARTESIA-DUP01-04222015	T	Water	8260B	
600-110437-8	ARTESIA-MW25-04222015	T	Water	8260B	
Analysis Batch:600-161246					
LCS 600-161246/3	Lab Control Sample	T	Water	8260B	
LCSD 600-161246/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-161246/6	Method Blank	T	Water	8260B	
600-110437-1	ARTESIA-MW7C-04222015	T	Water	8260B	
600-110437-2	ARTESIA-MW12-04222015	T	Water	8260B	
600-110437-3	TRIP BLANK	T	Water	8260B	
600-110437-4	ARTESIA-MW18-04222015	T	Water	8260B	
600-110437-5	ARTESIA-MW21-04222015	T	Water	8260B	
600-110437-6	ARTESIA-MW22-04222015	T	Water	8260B	
600-110437-7	ARTESIA-DUP01-04222015	T	Water	8260B	
600-110437-8	ARTESIA-MW25-04222015	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-115257					
LCS 560-115257/2-A	Lab Control Sample	T	Water	3010A	
MB 560-115257/1-A	Method Blank	T	Water	3010A	
600-110402-C-1-B MS	Matrix Spike	D	Water	3010A	
600-110402-C-1-C MSD	Matrix Spike Duplicate	D	Water	3010A	
600-110437-4	ARTESIA-MW18-04222015	D	Water	3010A	
600-110437-5	ARTESIA-MW21-04222015	D	Water	3010A	
600-110437-6	ARTESIA-MW22-04222015	D	Water	3010A	
600-110437-7	ARTESIA-DUP01-04222015	D	Water	3010A	
600-110437-8	ARTESIA-MW25-04222015	D	Water	3010A	
Analysis Batch:560-115318					
LCS 560-115257/2-A	Lab Control Sample	T	Water	6020	560-115257
MB 560-115257/1-A	Method Blank	T	Water	6020	560-115257
600-110402-C-1-B MS	Matrix Spike	D	Water	6020	560-115257
600-110402-C-1-C MSD	Matrix Spike Duplicate	D	Water	6020	560-115257
600-110437-4	ARTESIA-MW18-04222015	D	Water	6020	560-115257
600-110437-5	ARTESIA-MW21-04222015	D	Water	6020	560-115257
600-110437-6	ARTESIA-MW22-04222015	D	Water	6020	560-115257
600-110437-7	ARTESIA-DUP01-04222015	D	Water	6020	560-115257
600-110437-8	ARTESIA-MW25-04222015	D	Water	6020	560-115257

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Laboratory Chronicle

Lab ID: 600-110437-1

Client ID: ARTESIA-MW17C-04222015

Sample Date/Time: 04/22/2015 08:47

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-A-1		600-161166		04/28/2015 15:13	1	TAL HOU	YX1
A:8260B	600-110437-A-1		600-161166		04/28/2015 15:13	1	TAL HOU	YX1
P:5030B	600-110437-B-1		600-161246		04/29/2015 14:41	1	TAL HOU	YX1
A:8260B	600-110437-B-1		600-161246		04/29/2015 14:41	1	TAL HOU	YX1

Lab ID: 600-110437-2

Client ID: ARTESIA-MW12-04222015

Sample Date/Time: 04/22/2015 09:30

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-A-2		600-161166		04/28/2015 15:39	1	TAL HOU	YX1
A:8260B	600-110437-A-2		600-161166		04/28/2015 15:39	1	TAL HOU	YX1
P:5030B	600-110437-B-2	DL	600-161166		04/28/2015 20:25	10	TAL HOU	YX1
A:8260B	600-110437-B-2	DL	600-161166		04/28/2015 20:25	10	TAL HOU	YX1
P:5030B	600-110437-C-2		600-161246		04/29/2015 17:17	1	TAL HOU	YX1
A:8260B	600-110437-C-2		600-161246		04/29/2015 17:17	1	TAL HOU	YX1

Lab ID: 600-110437-3

Client ID: TRIP BLANK

Sample Date/Time: 04/22/2015 00:00

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-A-3		600-161166		04/28/2015 14:47	1	TAL HOU	YX1
A:8260B	600-110437-A-3		600-161166		04/28/2015 14:47	1	TAL HOU	YX1
P:5030B	600-110437-B-3		600-161246		04/29/2015 14:15	1	TAL HOU	YX1
A:8260B	600-110437-B-3		600-161246		04/29/2015 14:15	1	TAL HOU	YX1

Lab ID: 600-110437-4

Client ID: ARTESIA-MW18-04222015

Sample Date/Time: 04/22/2015 12:48

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-B-4		600-161166		04/28/2015 16:05	1	TAL HOU	YX1
A:8260B	600-110437-B-4		600-161166		04/28/2015 16:05	1	TAL HOU	YX1
P:5030B	600-110437-C-4		600-161246		04/29/2015 15:07	1	TAL HOU	YX1
A:8260B	600-110437-C-4		600-161246		04/29/2015 15:07	1	TAL HOU	YX1
P:3010A	600-110437-A-4-A		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110437-A-4-A		560-115318	560-115257	04/28/2015 21:41	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Laboratory Chronicle

Lab ID: 600-110437-5

Client ID: ARTESIA-MW21-04222015

Sample Date/Time: 04/22/2015 13:42

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-B-5		600-161166		04/28/2015 16:31	1	TAL HOU	YX1
A:8260B	600-110437-B-5		600-161166		04/28/2015 16:31	1	TAL HOU	YX1
P:5030B	600-110437-C-5		600-161246		04/29/2015 15:33	1	TAL HOU	YX1
A:8260B	600-110437-C-5		600-161246		04/29/2015 15:33	1	TAL HOU	YX1
P:3010A	600-110437-A-5-A		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110437-A-5-A		560-115318	560-115257	04/28/2015 21:46	1	TAL CC	JEM

Lab ID: 600-110437-6

Client ID: ARTESIA-MW22-04222015

Sample Date/Time: 04/22/2015 14:25

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-B-6		600-161166		04/28/2015 16:57	1	TAL HOU	YX1
A:8260B	600-110437-B-6		600-161166		04/28/2015 16:57	1	TAL HOU	YX1
P:5030B	600-110437-C-6		600-161246		04/29/2015 15:59	1	TAL HOU	YX1
A:8260B	600-110437-C-6		600-161246		04/29/2015 15:59	1	TAL HOU	YX1
P:3010A	600-110437-A-6-A		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110437-A-6-A		560-115318	560-115257	04/28/2015 21:52	1	TAL CC	JEM

Lab ID: 600-110437-7

Client ID: ARTESIA-DUP01-04222015

Sample Date/Time: 04/22/2015 16:30

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-B-7		600-161166		04/28/2015 17:23	1	TAL HOU	YX1
A:8260B	600-110437-B-7		600-161166		04/28/2015 17:23	1	TAL HOU	YX1
P:5030B	600-110437-C-7		600-161246		04/29/2015 16:25	1	TAL HOU	YX1
A:8260B	600-110437-C-7		600-161246		04/29/2015 16:25	1	TAL HOU	YX1
P:3010A	600-110437-A-7-A		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110437-A-7-A		560-115318	560-115257	04/28/2015 21:58	1	TAL CC	JEM

Lab ID: 600-110437-8

Client ID: ARTESIA-MW25-04222015

Sample Date/Time: 04/22/2015 15:20

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110437-B-8		600-161166		04/28/2015 17:49	1	TAL HOU	YX1
A:8260B	600-110437-B-8		600-161166		04/28/2015 17:49	1	TAL HOU	YX1
P:5030B	600-110437-C-8		600-161246		04/29/2015 16:51	1	TAL HOU	YX1
A:8260B	600-110437-C-8		600-161246		04/29/2015 16:51	1	TAL HOU	YX1
P:3010A	600-110437-A-8-A		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110437-A-8-A		560-115318	560-115257	04/28/2015 22:03	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-161166/6		600-161166		04/28/2015 14:21	1	TAL HOU	YX1
A:8260B	MB 600-161166/6		600-161166		04/28/2015 14:21	1	TAL HOU	YX1
P:5030B	MB 600-161246/6		600-161246		04/29/2015 13:48	1	TAL HOU	YX1
A:8260B	MB 600-161246/6		600-161246		04/29/2015 13:48	1	TAL HOU	YX1
P:3010A	MB 560-115257/1-A		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	MB 560-115257/1-A		560-115318	560-115257	04/28/2015 20:10	1	TAL CC	JEM

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-161166/3		600-161166		04/28/2015 13:04	1	TAL HOU	YX1
A:8260B	LCS 600-161166/3		600-161166		04/28/2015 13:04	1	TAL HOU	YX1
P:5030B	LCS 600-161246/3		600-161246		04/29/2015 12:12	1	TAL HOU	YX1
A:8260B	LCS 600-161246/3		600-161246		04/29/2015 12:12	1	TAL HOU	YX1

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 600-161166/4		600-161166		04/28/2015 13:30	1	TAL HOU	YX1
A:8260B	LCSD 600-161166/4		600-161166		04/28/2015 13:30	1	TAL HOU	YX1
P:5030B	LCSD 600-161246/4		600-161246		04/29/2015 12:44	1	TAL HOU	YX1
A:8260B	LCSD 600-161246/4		600-161246		04/29/2015 12:44	1	TAL HOU	YX1

Lab ID: MS

Client ID: N/A

Sample Date/Time: 04/22/2015 10:05

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-110402-C-1-B MS		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110402-C-1-B MS		560-115318	560-115257	04/28/2015 20:31	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Laboratory Chronicle

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 04/22/2015 10:05

Received Date/Time: 04/23/2015 10:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-110402-C-1-C MSD		560-115318	560-115257	04/28/2015 13:00	1	TAL CC	cc56
A:6020	600-110402-C-1-C MSD		560-115318	560-115257	04/28/2015 20:37	1	TAL CC	JEM

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Instrument ID: CHVOAMS01 Analysis Batch Number: 155255Lab Sample ID: IC 600-155255/2 Client Sample ID: _____Date Analyzed: 02/03/15 16:08 Lab File ID: C03401.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	9.11	Baseline	xiey	02/04/15 13:07
1,2-Dibromo-3-Chloropropane	15.09	Baseline	xiey	02/04/15 13:07

Lab Sample ID: IC 600-155255/3 Client Sample ID: _____Date Analyzed: 02/03/15 16:35 Lab File ID: C03402.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane	8.14	Baseline	xiey	02/04/15 12:46
1,4-Dioxane	9.12	Baseline	xiey	02/04/15 12:46
trans-1,4-Dichloro-2-butene	12.65	Baseline	xiey	02/04/15 12:46

Lab Sample ID: IC 600-155255/4 Client Sample ID: _____Date Analyzed: 02/03/15 17:02 Lab File ID: C03403.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	11.66	Wrong peak	xiey	02/04/15 13:03

Lab Sample ID: IC 600-155255/5 Client Sample ID: _____Date Analyzed: 02/03/15 17:29 Lab File ID: C03404.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	11.66	Wrong peak	xiey	02/04/15 13:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Instrument ID: CHVOAMS01 Analysis Batch Number: 155255Lab Sample ID: ICIS 600-155255/6 Client Sample ID: _____Date Analyzed: 02/03/15 17:56 Lab File ID: C03405.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	11.66	Wrong peak	xiey	02/04/15 13:02

Lab Sample ID: IC 600-155255/7 Client Sample ID: _____Date Analyzed: 02/03/15 18:24 Lab File ID: C03406.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	11.66	Wrong peak	xiey	02/04/15 13:02

Lab Sample ID: IC 600-155255/8 Client Sample ID: _____Date Analyzed: 02/03/15 18:51 Lab File ID: C03407.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	11.66	Wrong peak	xiey	02/04/15 13:01

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOAIS250PPM_00014	02/04/15	01/21/15	Methanol, Lot V120414A	1 mL	VOA3IS_00003	100 uL	1,4-Dichlorobenzene-d4	250 ug/mL
.VOA3IS_00003	08/31/19	Restek, Lot A0105263			(Purchased Reagent)		Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
VOALCSGASPT_00111	04/29/15	04/22/15	Methanol, Lot V120414A	1 mL	VOARGASLCS_00002	25 uL	Bromomethane	50 ug/mL
.VOARGASLCS_00002	11/30/15	RESTEK, Lot A099261			(Purchased Reagent)		Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOALCSPT2_00029	04/29/15	04/15/15	Methanol, Lot V120414A	1 mL	VOAR2CEVELCS_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETONLCS_00001	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMxLcsT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VOAR2CEVELCS_00001	02/29/16		Restek, Lot A093471		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMxLcsT_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
VOASS50PPM_00182	04/29/15	04/15/15	Methanol, Lot V120414A	1 mL	VOARSS_00005	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOARSS_00005	01/31/20	Restek, Lot A0108173			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOASTDGASPT_00099	02/04/15	01/28/15	Methanol, Lot V120414A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGAS_00002	02/28/15	RESTEK, Lot A093341			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDGASPT_00111	04/29/15	04/22/15	Methanol, Lot V120414A	1 mL	VOARGAS_00005	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGAS_00005	07/31/18	Restek, Lot A0104969			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDst_00001	02/17/15	02/03/15	Methanol, Lot V120414A	1 mL	VOAR2CEVE_00002	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARAcrolein_00011	12.5 uL	Acrolein	250 ug/mL
					VOARADDCOM_00003	25 uL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isooctane	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
					2-Hexanone		100 ug/mL	
					4-Methyl-2-pentanone (MIBK)		100 ug/mL	
					Acetone		100 ug/mL	
					VOARMegMixT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VOARPOLADD_00001	25 uL	Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
					VOARSS_00003	20 uL	Tert-butyl ethyl ether	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					VOARVA_00007	25 uL	Vinyl acetate	100 ug/mL
.VOAR2CEVE_00002	02/29/16		Restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARAcrolein_00011	02/28/15		Restek, Lot A0106504		(Purchased Reagent)		Acrolein	20000 ug/mL
.VOARADDCOM_00003	09/30/15		Restek, Lot A0101694		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isooctane	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARKETON_00002	02/29/16	RESTEK, Lot A093365			(Purchased Reagent)		n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
.VOARMegMixT_00001	02/29/16	Restek, Lot A093581			(Purchased Reagent)		Acetone	10000 ug/mL
							1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VOARPOLADD_00001	12/31/15		Restek, Lot A099930		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
.VOARSS_00003	01/31/19		Restek, Lot A0101000		(Purchased Reagent)		Tert-butyl ethyl ether	2000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA 00007	05/31/15		Restek, Lot A0107309		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VOASTDst_00006	05/05/15	04/21/15	Methanol, Lot V120414A	1 mL	VOAR2CEVE_00002	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMixT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica HoustonJob No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOARSS_00003	20 uL	Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOAR2CEVE_00002	02/29/16		Restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETON_00002	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMixT_00001	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
.VOARSS_00003	01/31/19	Restek, Lot A0101000			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
aICV_esi500_00007	05/01/15	04/15/13	5%/3% HCl/HNO3, Lot 1125384	100 mL	ESI-spkA_00007	2 mL	Manganese, Dissolved	5 mg/L
.ESI-spkA_00007	05/01/15	Elemental Scientific, Lot 1059635			(Purchased Reagent)		Manganese, Dissolved	250 mg/L
ESI-spkA_00009	02/01/16	Elemental Scientific, Lot 1069291			(Purchased Reagent)		Al	2500 mg/L
							As	25 mg/L
							B	25 mg/L
							Ba	25 mg/L
							Be	35 mg/L
							Ca	2500 mg/L
							Cd	25 mg/L
							Co	25 mg/L
							Cr	25 mg/L
							Cu	25 mg/L
							Fe	2500 mg/L
							K	2500 mg/L
							Li	25 mg/L
							Manganese, Dissolved	250 mg/L
							Mg	2500 mg/L
							Mo	25 mg/L
							Na	2500 mg/L
							Ni	25 mg/L
							P	250 mg/L
							Pb	25 mg/L
							Sb	25 mg/L
							Se	25 mg/L
							Si	500 mg/L
							Sn	25 mg/L
							Sr	25 mg/L
							Ti	25 mg/L
							Tl	10 mg/L
							U	25 mg/L
V	25 mg/L							
Zn	25 mg/L							
ESI-spkB_00007	02/01/16	Elemental Scientific, Lot 1069291			(Purchased Reagent)		Ag	25 mg/L
INT-A_00087	08/09/15	02/09/15	DI+HNO3,HCl, Lot icap acid_00064	100 mL	141205INT-A_00001	5 mL	Al	250000 ug/L
							Ca	250000 ug/L
							Fe	100000 ug/L
							Mg	250000 ug/L
.141205INT-A_00001	05/10/16	CPI, Lot 14H048			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
INT-AB_00089	08/09/15	02/09/15	5%/3% HCl/HNO3, Lot icap acid_00064	100 mL	140813INTB_00001	1 mL	Ag	1000 ug/L
							Ba	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							V	500 ug/L
							Zn	1000 ug/L
					141205INT-A_00001	5 mL	Al	250000 ug/L
							Ca	250000 ug/L
							Fe	100000 ug/L
							Mg	250000 ug/L
.140813INTB_00001	01/16/16		CPI, Lot 13L084		(Purchased Reagent)		Ag	100 ug/mL
							Ba	50 ug/mL
							Be	50 ug/mL
							Cd	100 ug/mL
							Co	50 ug/mL
							Cr	50 ug/mL
							Cu	50 ug/mL
							Manganese, Dissolved	50 ug/mL
							Ni	100 ug/mL
							V	50 ug/mL
							Zn	100 ug/mL
.141205INT-A_00001	05/10/16		CPI, Lot 14H048		(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
TS_MS250_00025	06/01/15	01/02/15	5%/3% HCl/HNO3, Lot icap acid	50 mL	TS_MS500_00016	25 mL	Manganese, Dissolved	2.5 mg/L
.TS_MS500_00016	06/01/15	01/02/15	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00007	1 mL	Manganese, Dissolved	5 mg/L
..MT-STD-3_00007	09/01/15		IV, Lot F2-MEB449090		(Purchased Reagent)		Manganese, Dissolved	1000 mg/L

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Dowell - Artesia Groundwater

TestAmerica Job ID: 600-110437-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAP	6	30643
TestAmerica Houston	Oklahoma	State Program	6	1309
TestAmerica Houston	Texas	NELAP	6	T104704223
TestAmerica Houston	USDA	Federal		P330-14-00192
TestAmerica Houston	Utah	NELAP	8	TX00083
TestAmerica Corpus Christi	Kansas	NELAP	7	E-10362
TestAmerica Corpus Christi	Oklahoma	State Program	6	9968
TestAmerica Corpus Christi	Texas	NELAP	6	T104704210
TestAmerica Corpus Christi	USDA	Federal		P330-14-00328

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260B_LL

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
ARTESIA-MW17C-04222 015	600-110437-1	86	79	94	100
ARTESIA-MW17C-04222 015	600-110437-1	92	90	92	98
ARTESIA-MW12-04222 015	600-110437-2	86	79	92	98
ARTESIA-MW12-04222 015	600-110437-2	94	90	96	101
ARTESIA-MW12-04222 015 DL	600-110437-2 DL	90	84	94	98
TRIP BLANK	600-110437-3	84	76	94	100
TRIP BLANK	600-110437-3	93	94	93	98
ARTESIA-MW18-04222 015	600-110437-4	86	82	94	99
ARTESIA-MW18-04222 015	600-110437-4	93	89	93	98
ARTESIA-MW21-04222 015	600-110437-5	87	82	94	99
ARTESIA-MW21-04222 015	600-110437-5	94	90	94	100
ARTESIA-MW22-04222 015	600-110437-6	88	82	95	101
ARTESIA-MW22-04222 015	600-110437-6	89	86	92	98
ARTESIA-DUP01-0422 2015	600-110437-7	89	83	97	102
ARTESIA-DUP01-0422 2015	600-110437-7	95	89	96	102
ARTESIA-MW25-04222 015	600-110437-8	90	85	95	102
ARTESIA-MW25-04222 015	600-110437-8	91	85	94	100
	MB 600-161166/6	85	79	95	101
	MB 600-161246/6	94	98	92	96
	LCS 600-161166/3	91	79	97	108
	LCS 600-161246/3	100	97	94	98
	LCSD 600-161166/4	93	81	97	108
	LCSD 600-161246/4	101	98	93	99

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C11802.D
Lab ID: LCS 600-161166/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Trichlorofluoromethane	10.0	13.93	139	43-150	
1,2,4-Trimethylbenzene	10.0	11.12	111	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C11902.D
 Lab ID: LCS 600-161246/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	10.0	9.813	98	70-130	
Bromobenzene	10.0	10.52	105	70-130	
Bromochloromethane	10.0	9.394	94	58-130	
Bromodichloromethane	10.0	11.31	113	70-131	
Bromoform	10.0	12.47	125	54-133	
Bromomethane	10.0	4.667	47	25-150	
2-Butanone (MEK)	20.0	25.37	127	41-141	
Carbon tetrachloride	10.0	9.510	95	70-144	
Chlorobenzene	10.0	10.03	100	69-130	
Chlorodibromomethane	10.0	11.83	118	62-130	
Chloroethane	10.0	15.43	154	47-150	*
2-Chloroethyl vinyl ether	20.0	13.55	68	10-150	
Chloroform	10.0	10.10	101	70-130	
Chloromethane	10.0	6.764	68	10-150	
2-Chlorotoluene	10.0	9.375	94	65-130	
4-Chlorotoluene	10.0	9.519	95	70-130	
cis-1,2-Dichloroethene	10.0	9.915	99	68-130	
cis-1,3-Dichloropropene	10.0	10.71	107	57-130	
1,2-Dibromo-3-Chloropropane	10.0	11.73	117	41-142	
Dibromomethane	10.0	11.63	116	70-130	
1,2-Dichlorobenzene	10.0	9.956	100	70-130	
1,3-Dichlorobenzene	10.0	9.353	94	70-130	
1,4-Dichlorobenzene	10.0	9.902	99	70-130	
Dichlorodifluoromethane	10.0	3.601	36	10-150	
1,1-Dichloroethane	10.0	10.54	105	70-140	
1,2-Dichloroethane	10.0	11.17	112	67-134	
1,1-Dichloroethene	10.0	9.424	94	58-148	
1,2-Dichloropropane	10.0	11.03	110	70-130	
1,3-Dichloropropane	10.0	11.43	114	70-130	
2,2-Dichloropropane	10.0	9.448	94	64-149	
1,1-Dichloropropene	10.0	10.40	104	70-137	
Ethylbenzene	10.0	9.995	100	70-130	
Ethylene Dibromide	10.0	11.69	117	67-130	
Hexachlorobutadiene	10.0	10.57	106	55-150	
Isopropylbenzene	10.0	9.128	91	65-132	
Methylene Chloride	10.0	9.849	98	55-147	
Methyl tert-butyl ether	10.0	12.23	122	56-132	
m-Xylene & p-Xylene	10.0	9.967	100	70-130	
Naphthalene	10.0	10.46	105	10-150	
n-Butylbenzene	10.0	9.445	94	70-130	
N-Propylbenzene	10.0	9.152	92	69-130	
o-Xylene	10.0	10.10	101	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C11902.D
 Lab ID: LCS 600-161246/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	10.0	9.410	94	70-130	
sec-Butylbenzene	10.0	9.396	94	68-130	
Styrene	10.0	10.36	104	70-130	
tert-Butylbenzene	10.0	9.175	92	70-130	
1,1,1,2-Tetrachloroethane	10.0	10.85	108	70-130	
1,1,2,2-Tetrachloroethane	10.0	12.69	127	58-133	
Tetrachloroethene	10.0	9.728	97	47-150	
Toluene	10.0	9.366	94	70-130	
trans-1,2-Dichloroethene	10.0	9.517	95	68-131	
trans-1,3-Dichloropropene	10.0	12.36	124	60-130	
1,2,3-Trichlorobenzene	10.0	10.84	108	10-150	
1,2,4-Trichlorobenzene	10.0	10.86	109	46-150	
1,1,1-Trichloroethane	10.0	9.742	97	70-136	
1,1,2-Trichloroethane	10.0	11.84	118	70-130	
Trichloroethene	10.0	9.916	99	70-130	
1,2,3-Trichloropropane	10.0	12.45	125	48-136	
1,3,5-Trimethylbenzene	10.0	9.248	92	69-130	
Vinyl chloride	10.0	8.984	90	33-150	
Xylenes, Total	20.0	20.07	100	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C11803.D
Lab ID: LCSD 600-161166/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Trichlorofluoromethane	10.0	14.62	146	5	20	43-150	
1,2,4-Trimethylbenzene	10.0	10.86	109	2	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C11903.D
Lab ID: LCSD 600-161246/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	10.0	9.299	93	5	20	70-130	
Bromobenzene	10.0	9.957	100	5	20	70-130	
Bromochloromethane	10.0	9.049	90	4	20	58-130	
Bromodichloromethane	10.0	10.70	107	6	20	70-131	
Bromoform	10.0	12.09	121	3	20	54-133	
Bromomethane	10.0	4.633	46	1	20	25-150	
2-Butanone (MEK)	20.0	25.07	125	1	20	41-141	
Carbon tetrachloride	10.0	9.268	93	3	20	70-144	
Chlorobenzene	10.0	9.583	96	5	20	69-130	
Chlorodibromomethane	10.0	11.40	114	4	20	62-130	
Chloroethane	10.0	15.82	158	3	20	47-150	*
2-Chloroethyl vinyl ether	20.0	14.88	74	9	20	10-150	
Chloroform	10.0	9.613	96	5	20	70-130	
Chloromethane	10.0	6.383	64	6	20	10-150	
2-Chlorotoluene	10.0	8.932	89	5	20	65-130	
4-Chlorotoluene	10.0	9.049	90	5	20	70-130	
cis-1,2-Dichloroethene	10.0	9.706	97	2	20	68-130	
cis-1,3-Dichloropropene	10.0	10.22	102	5	20	57-130	
1,2-Dibromo-3-Chloropropane	10.0	11.69	117	0	20	41-142	
Dibromomethane	10.0	11.02	110	5	20	70-130	
1,2-Dichlorobenzene	10.0	9.548	95	4	20	70-130	
1,3-Dichlorobenzene	10.0	9.022	90	4	20	70-130	
1,4-Dichlorobenzene	10.0	9.403	94	5	20	70-130	
Dichlorodifluoromethane	10.0	4.144	41	14	20	10-150	
1,1-Dichloroethane	10.0	10.31	103	2	20	70-140	
1,2-Dichloroethane	10.0	10.74	107	4	20	67-134	
1,1-Dichloroethene	10.0	9.331	93	1	20	58-148	
1,2-Dichloropropane	10.0	10.55	105	4	20	70-130	
1,3-Dichloropropane	10.0	10.96	110	4	20	70-130	
2,2-Dichloropropane	10.0	8.936	89	6	20	64-149	
1,1-Dichloropropene	10.0	10.16	102	2	20	70-137	
Ethylbenzene	10.0	9.501	95	5	20	70-130	
Ethylene Dibromide	10.0	11.30	113	3	20	67-130	
Hexachlorobutadiene	10.0	10.55	105	0	20	55-150	
Isopropylbenzene	10.0	8.766	88	4	20	65-132	
Methylene Chloride	10.0	9.461	95	4	20	55-147	
Methyl tert-butyl ether	10.0	11.95	120	2	20	56-132	
m-Xylene & p-Xylene	10.0	9.551	96	4	20	70-130	
Naphthalene	10.0	10.35	103	1	20	10-150	
n-Butylbenzene	10.0	9.059	91	4	20	70-130	
N-Propylbenzene	10.0	8.817	88	4	20	69-130	
o-Xylene	10.0	9.644	96	5	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C11903.D
 Lab ID: LCSD 600-161246/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	10.0	9.049	90	4	20	70-130	
sec-Butylbenzene	10.0	9.019	90	4	20	68-130	
Styrene	10.0	9.856	99	5	20	70-130	
tert-Butylbenzene	10.0	8.838	88	4	20	70-130	
1,1,1,2-Tetrachloroethane	10.0	10.42	104	4	20	70-130	
1,1,2,2-Tetrachloroethane	10.0	12.31	123	3	20	58-133	
Tetrachloroethene	10.0	9.441	94	3	20	47-150	
Toluene	10.0	8.999	90	4	20	70-130	
trans-1,2-Dichloroethene	10.0	9.346	93	2	20	68-131	
trans-1,3-Dichloropropene	10.0	11.91	119	4	20	60-130	
1,2,3-Trichlorobenzene	10.0	10.77	108	1	20	10-150	
1,1,1-Trichloroethane	10.0	9.474	95	3	20	70-136	
1,1,2-Trichloroethane	10.0	11.35	113	4	20	70-130	
Trichloroethene	10.0	9.628	96	3	20	70-130	
1,2,3-Trichloropropane	10.0	12.00	120	4	20	48-136	
1,2,4-Trimethylbenzene	10.0	8.755	88	4	20	70-130	
1,3,5-Trimethylbenzene	10.0	8.844	88	4	20	69-130	
Vinyl chloride	10.0	9.468	95	5	20	33-150	
Xylenes, Total	20.0	19.20	96	4	20	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Lab File ID: C11805.D Lab Sample ID: MB 600-161166/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CHVOAMS01 Date Analyzed: 04/28/2015 14:21
 GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-161166/3	C11802.D	04/28/2015 13:04
	LCSD 600-161166/4	C11803.D	04/28/2015 13:30
TRIP BLANK	600-110437-3	C11814.D	04/28/2015 14:47
ARTESIA-MW17C-04222015	600-110437-1	C11806.D	04/28/2015 15:13
ARTESIA-MW12-04222015	600-110437-2	C11807.D	04/28/2015 15:39
ARTESIA-MW18-04222015	600-110437-4	C11808.D	04/28/2015 16:05
ARTESIA-MW21-04222015	600-110437-5	C11809.D	04/28/2015 16:31
ARTESIA-MW22-04222015	600-110437-6	C11810.D	04/28/2015 16:57
ARTESIA-DUP01-04222015	600-110437-7	C11811.D	04/28/2015 17:23
ARTESIA-MW25-04222015	600-110437-8	C11812.D	04/28/2015 17:49
ARTESIA-MW12-04222015 DL	600-110437-2 DL	C11819.D	04/28/2015 20:25

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Lab File ID: C11905.D Lab Sample ID: MB 600-161246/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CHVOAMS01 Date Analyzed: 04/29/2015 13:48
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-161246/3	C11902.D	04/29/2015 12:12
	LCSD 600-161246/4	C11903.D	04/29/2015 12:44
TRIP BLANK	600-110437-3	C11906.D	04/29/2015 14:15
ARTESIA-MW17C-04222015	600-110437-1	C11907.D	04/29/2015 14:41
ARTESIA-MW18-04222015	600-110437-4	C11908.D	04/29/2015 15:07
ARTESIA-MW21-04222015	600-110437-5	C11909.D	04/29/2015 15:33
ARTESIA-MW22-04222015	600-110437-6	C11910.D	04/29/2015 15:59
ARTESIA-DUP01-04222015	600-110437-7	C11911.D	04/29/2015 16:25
ARTESIA-MW25-04222015	600-110437-8	C11912.D	04/29/2015 16:51
ARTESIA-MW12-04222015	600-110437-2	C11913.D	04/29/2015 17:17

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Lab File ID: C03400B.D BFB Injection Date: 02/03/2015
 Instrument ID: CHVOAMS01 BFB Injection Time: 15:39
 Analysis Batch No.: 155255

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.9
75	30.0 - 60.0 % of mass 95	47.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	82.9
175	5.0 - 9.0 % of mass 174	6.3 (7.6) 1
176	95.0 - 101.0 % of mass 174	79.6 (96.1) 1
177	5.0 - 9.0 % of mass 176	6.2 (7.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-155255/2	C03401.D	02/03/2015	16:08
	IC 600-155255/3	C03402.D	02/03/2015	16:35
	IC 600-155255/4	C03403.D	02/03/2015	17:02
	IC 600-155255/5	C03404.D	02/03/2015	17:29
	ICIS 600-155255/6	C03405.D	02/03/2015	17:56
	IC 600-155255/7	C03406.D	02/03/2015	18:24
	IC 600-155255/8	C03407.D	02/03/2015	18:51

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Lab File ID: C11800.D BFB Injection Date: 04/28/2015
Instrument ID: CHVOAMS01 BFB Injection Time: 11:14
Analysis Batch No.: 161166

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.7
75	30.0 - 60.0 % of mass 95	46.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	92.6
175	5.0 - 9.0 % of mass 174	6.7 (7.3) 1
176	95.0 - 101.0 % of mass 174	88.6 (95.7) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-161166/2	C11801A.D	04/28/2015	12:26
	LCS 600-161166/3	C11802.D	04/28/2015	13:04
	LCSD 600-161166/4	C11803.D	04/28/2015	13:30
	MB 600-161166/6	C11805.D	04/28/2015	14:21
TRIP BLANK	600-110437-3	C11814.D	04/28/2015	14:47
ARTESIA-MW17C-04222015	600-110437-1	C11806.D	04/28/2015	15:13
ARTESIA-MW12-04222015	600-110437-2	C11807.D	04/28/2015	15:39
ARTESIA-MW18-04222015	600-110437-4	C11808.D	04/28/2015	16:05
ARTESIA-MW21-04222015	600-110437-5	C11809.D	04/28/2015	16:31
ARTESIA-MW22-04222015	600-110437-6	C11810.D	04/28/2015	16:57
ARTESIA-DUP01-04222015	600-110437-7	C11811.D	04/28/2015	17:23
ARTESIA-MW25-04222015	600-110437-8	C11812.D	04/28/2015	17:49
ARTESIA-MW12-04222015 DL	600-110437-2 DL	C11819.D	04/28/2015	20:25

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Lab File ID: C11900.D BFB Injection Date: 04/29/2015
Instrument ID: CHVOAMS01 BFB Injection Time: 09:34
Analysis Batch No.: 161246

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.4
75	30.0 - 60.0 % of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	91.9
175	5.0 - 9.0 % of mass 174	6.7 (7.3) 1
176	95.0 - 101.0 % of mass 174	87.5 (95.3) 1
177	5.0 - 9.0 % of mass 176	5.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-161246/2	C11901B.D	04/29/2015	11:29
	LCS 600-161246/3	C11902.D	04/29/2015	12:12
	LCSD 600-161246/4	C11903.D	04/29/2015	12:44
	MB 600-161246/6	C11905.D	04/29/2015	13:48
TRIP BLANK	600-110437-3	C11906.D	04/29/2015	14:15
ARTESIA-MW17C-04222015	600-110437-1	C11907.D	04/29/2015	14:41
ARTESIA-MW18-04222015	600-110437-4	C11908.D	04/29/2015	15:07
ARTESIA-MW21-04222015	600-110437-5	C11909.D	04/29/2015	15:33
ARTESIA-MW22-04222015	600-110437-6	C11910.D	04/29/2015	15:59
ARTESIA-DUP01-04222015	600-110437-7	C11911.D	04/29/2015	16:25
ARTESIA-MW25-04222015	600-110437-8	C11912.D	04/29/2015	16:51
ARTESIA-MW12-04222015	600-110437-2	C11913.D	04/29/2015	17:17

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Sample No.: CCVIS 600-161166/2 Date Analyzed: 04/28/2015 12:26
 Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): C11801A.D Heated Purge: (Y/N) N
 Calibration ID: 6502

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	553312	8.66	256725	11.65	297329	14.23
UPPER LIMIT	1106624	9.16	513450	12.15	594658	14.73
LOWER LIMIT	276656	8.16	128363	11.15	148665	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCSD 600-161166/4		537749	8.67	253588	11.66	298317
MB 600-161166/6		543421	8.67	242498	11.66	293586
600-110437-3	TRIP BLANK	547914	8.67	245957	11.66	295380
600-110437-1	ARTESIA-MW17C-04222015	534822	8.67	240351	11.66	293826
600-110437-2	ARTESIA-MW12-04222015	541698	8.67	247679	11.66	315434
600-110437-4	ARTESIA-MW18-04222015	558845	8.67	253101	11.66	313726
600-110437-5	ARTESIA-MW21-04222015	558919	8.67	253092	11.66	314289
600-110437-6	ARTESIA-MW22-04222015	537139	8.67	244037	11.66	302316
600-110437-7	ARTESIA-DUP01-04222015	521870	8.67	235678	11.66	291933
600-110437-8	ARTESIA-MW25-04222015	517227	8.67	238221	11.66	293251
600-110437-2 DL	ARTESIA-MW12-04222015 DL	542177	8.67	250257	11.66	317907

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Sample No.: CCVIS 600-161246/2 Date Analyzed: 04/29/2015 11:29
 Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): C11901B.D Heated Purge: (Y/N) N
 Calibration ID: 6502

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		544691	8.67	258754	11.66	348586	14.23
UPPER LIMIT		1089382	9.17	517508	12.16	697172	14.73
LOWER LIMIT		272346	8.17	129377	11.16	174293	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-161246/3		548959	8.67	264044	11.66	355603	14.23
LCSD 600-161246/4		557762	8.67	267313	11.66	358624	14.23
MB 600-161246/6		541225	8.67	254859	11.66	344090	14.23
600-110437-3	TRIP BLANK	486468	8.66	229924	11.66	300419	14.23
600-110437-1	ARTESIA-MW17C-04222015	488387	8.67	229919	11.66	292680	14.23
600-110437-4	ARTESIA-MW18-04222015	480871	8.67	226412	11.66	288928	14.23
600-110437-5	ARTESIA-MW21-04222015	482862	8.67	226373	11.66	286052	14.23
600-110437-6	ARTESIA-MW22-04222015	497923	8.67	230865	11.66	287625	14.23
600-110437-7	ARTESIA-DUP01-04222015	464524	8.67	217083	11.66	269296	14.23
600-110437-8	ARTESIA-MW25-04222015	476946	8.67	221021	11.66	270291	14.23
600-110437-2	ARTESIA-MW12-04222015	467806	8.66	220731	11.66	293816	14.23

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Client Sample ID: ARTESIA-MW17C-04222015 Lab Sample ID: 600-110437-1
Matrix: Water Lab File ID: C11806.D
Analysis Method: 8260B Date Collected: 04/22/2015 08:47
Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 15:13
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		67-139
1868-53-7	Dibromofluoromethane	86		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW17C-04222015 Lab Sample ID: 600-110437-1

Matrix: Water Lab File ID: C11907.D

Analysis Method: 8260B Date Collected: 04/22/2015 08:47

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 14:41

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.388	J	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW17C-04222015 Lab Sample ID: 600-110437-1

Matrix: Water Lab File ID: C11907.D

Analysis Method: 8260B Date Collected: 04/22/2015 08:47

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 14:41

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.258	J	1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	92		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134
2037-26-5	Toluene-d8 (Surr)	92		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Client Sample ID: ARTESIA-MW12-04222015 Lab Sample ID: 600-110437-2
Matrix: Water Lab File ID: C11807.D
Analysis Method: 8260B Date Collected: 04/22/2015 09:30
Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 15:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	86		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		50-134
2037-26-5	Toluene-d8 (Surr)	92		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-04222015 Lab Sample ID: 600-110437-2

Matrix: Water Lab File ID: C11913.D

Analysis Method: 8260B Date Collected: 04/22/2015 09:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 17:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	9.53		1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.211	J	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	39.5		1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	25.0		1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	2.03		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	18.9		1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	38.3		1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-04222015 Lab Sample ID: 600-110437-2

Matrix: Water Lab File ID: C11913.D

Analysis Method: 8260B Date Collected: 04/22/2015 09:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 17:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	9.64		1.00	0.205
91-20-3	Naphthalene	20.4		2.00	0.129
104-51-8	n-Butylbenzene	2.99		1.00	0.212
103-65-1	N-Propylbenzene	9.98		1.00	0.230
95-47-6	o-Xylene	0.524	J	1.00	0.192
99-87-6	p-Isopropyltoluene	0.871	J	1.00	0.228
135-98-8	sec-Butylbenzene	3.91		1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	1.60		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	2.42		1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.661	J	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	10.2		2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		67-139
1868-53-7	Dibromofluoromethane	94		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134
2037-26-5	Toluene-d8 (Surr)	96		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Client Sample ID: ARTESIA-MW12-04222015 DL Lab Sample ID: 600-110437-2 DL
Matrix: Water Lab File ID: C11819.D
Analysis Method: 8260B Date Collected: 04/22/2015 09:30
Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 20:25
Soil Aliquot Vol: _____ Dilution Factor: 10
Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	72.6		10.0	2.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	90		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
SDG No.: _____
Client Sample ID: TRIP BLANK Lab Sample ID: 600-110437-3
Matrix: Water Lab File ID: C11814.D
Analysis Method: 8260B Date Collected: 04/22/2015 00:00
Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 14:47
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		67-139
1868-53-7	Dibromofluoromethane	84		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: TRIP BLANK Lab Sample ID: 600-110437-3

Matrix: Water Lab File ID: C11906.D

Analysis Method: 8260B Date Collected: 04/22/2015 00:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 14:15

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.192	U	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: TRIP BLANK Lab Sample ID: 600-110437-3

Matrix: Water Lab File ID: C11906.D

Analysis Method: 8260B Date Collected: 04/22/2015 00:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 14:15

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.138	U	1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	93		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134
2037-26-5	Toluene-d8 (Surr)	93		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW18-04222015 Lab Sample ID: 600-110437-4
 Matrix: Water Lab File ID: C11808.D
 Analysis Method: 8260B Date Collected: 04/22/2015 12:48
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 16:05
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.274	J	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		67-139
1868-53-7	Dibromofluoromethane	86		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-04222015 Lab Sample ID: 600-110437-4

Matrix: Water Lab File ID: C11908.D

Analysis Method: 8260B Date Collected: 04/22/2015 12:48

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 15:07

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	1.41		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-04222015 Lab Sample ID: 600-110437-4

Matrix: Water Lab File ID: C11908.D

Analysis Method: 8260B Date Collected: 04/22/2015 12:48

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 15:07

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	1.45		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.295	J	1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	93		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134
2037-26-5	Toluene-d8 (Surr)	93		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW21-04222015 Lab Sample ID: 600-110437-5
 Matrix: Water Lab File ID: C11809.D
 Analysis Method: 8260B Date Collected: 04/22/2015 13:42
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 16:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		67-139
1868-53-7	Dibromofluoromethane	87		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW21-04222015 Lab Sample ID: 600-110437-5

Matrix: Water Lab File ID: C11909.D

Analysis Method: 8260B Date Collected: 04/22/2015 13:42

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 15:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.750	J	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	1.33		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW21-04222015 Lab Sample ID: 600-110437-5

Matrix: Water Lab File ID: C11909.D

Analysis Method: 8260B Date Collected: 04/22/2015 13:42

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 15:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	1.07		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.300	J	1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		67-139
1868-53-7	Dibromofluoromethane	94		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW22-04222015 Lab Sample ID: 600-110437-6
 Matrix: Water Lab File ID: C11810.D
 Analysis Method: 8260B Date Collected: 04/22/2015 14:25
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 16:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		67-139
1868-53-7	Dibromofluoromethane	88		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134
2037-26-5	Toluene-d8 (Surr)	95		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW22-04222015 Lab Sample ID: 600-110437-6

Matrix: Water Lab File ID: C11910.D

Analysis Method: 8260B Date Collected: 04/22/2015 14:25

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 15:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	3.47		1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	10.2		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW22-04222015 Lab Sample ID: 600-110437-6
 Matrix: Water Lab File ID: C11910.D
 Analysis Method: 8260B Date Collected: 04/22/2015 14:25
 Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 15:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	11.5		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	2.65		1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	89		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		50-134
2037-26-5	Toluene-d8 (Surr)	92		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: ARTESIA-DUP01-04222015 Lab Sample ID: 600-110437-7
 Matrix: Water Lab File ID: C11811.D
 Analysis Method: 8260B Date Collected: 04/22/2015 16:30
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 17:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		67-139
1868-53-7	Dibromofluoromethane	89		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		50-134
2037-26-5	Toluene-d8 (Surr)	97		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP01-04222015 Lab Sample ID: 600-110437-7

Matrix: Water Lab File ID: C11911.D

Analysis Method: 8260B Date Collected: 04/22/2015 16:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 16:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	3.71		1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	11.1		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP01-04222015 Lab Sample ID: 600-110437-7

Matrix: Water Lab File ID: C11911.D

Analysis Method: 8260B Date Collected: 04/22/2015 16:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 16:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	12.2		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	2.89		1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		67-139
1868-53-7	Dibromofluoromethane	95		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134
2037-26-5	Toluene-d8 (Surr)	96		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW25-04222015 Lab Sample ID: 600-110437-8
 Matrix: Water Lab File ID: C11812.D
 Analysis Method: 8260B Date Collected: 04/22/2015 15:20
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 17:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		67-139
1868-53-7	Dibromofluoromethane	90		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		50-134
2037-26-5	Toluene-d8 (Surr)	95		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW25-04222015 Lab Sample ID: 600-110437-8

Matrix: Water Lab File ID: C11912.D

Analysis Method: 8260B Date Collected: 04/22/2015 15:20

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 16:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U *	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	2.08		1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	1.30		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: ARTESIA-MW25-04222015 Lab Sample ID: 600-110437-8

Matrix: Water Lab File ID: C11912.D

Analysis Method: 8260B Date Collected: 04/22/2015 15:20

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 16:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	5.45		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.639	J	1.00	0.138
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		67-139
1868-53-7	Dibromofluoromethane	91		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-155255/2	C03401.D
Level 2	IC 600-155255/3	C03402.D
Level 3	IC 600-155255/4	C03403.D
Level 4	IC 600-155255/5	C03404.D
Level 5	ICIS 600-155255/6	C03405.D
Level 6	IC 600-155255/7	C03406.D
Level 7	IC 600-155255/8	C03407.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1043 0.1481	0.1324 0.1342	0.1308	0.1459	0.1487	Ave		0.1349				12.0		15.0			
Chloromethane	0.2025 0.1865	0.1843 0.1834	0.1732	0.1849	0.1852	Ave		0.1857			0.1000	4.6		15.0			
Vinyl chloride	0.1191 0.1483	0.1506 0.1164	0.1432	0.1572	0.1567	Ave		0.1416				12.0		15.0			
Butadiene	0.1345 0.1665	0.1499 0.1468	0.1459	0.1565	0.1622	Ave		0.1518				7.2		15.0			
Bromomethane	0.0620 0.1101	0.0720 0.1148	0.0731	0.0835	0.0936	Lin1	-0.044	0.1113							0.9940		0.9900
Chloroethane	0.0850 0.1112	0.1054 0.1041	0.1002	0.1109	0.1112	Ave		0.1040				9.0		15.0			
Ethanol	0.0010 0.0009	0.0010 0.0008	0.0010	0.0010	0.0009	Ave		0.0010				7.4		15.0			
Dichlorofluoromethane	0.2706 0.3529	0.3302 0.3307	0.3212	0.3545	0.3543	Ave		0.3306				9.0		15.0			
Acrolein	0.0084 0.0082	0.0074 0.0080	0.0081	0.0081	0.0080	Ave		0.0080				3.9		15.0			
Acetonitrile	0.0113 0.0098	0.0115 0.0093	0.0112	0.0101	0.0100	Ave		0.0105				8.4		15.0			
Trichlorofluoromethane	0.2388 0.3485	0.2883 0.3278	0.2828	0.3143	0.3250	Ave		0.3036				12.0		15.0			
Isopropyl alcohol	0.0179 0.0047	0.0070 0.0045	0.0059	0.0052	0.0049	Lin1	0.0507	0.0044							0.9900		0.9900
Acetone	0.1334 0.0285	0.0508 0.0280	0.0390	0.0305	0.0329	Lin	0.0648	0.0274							0.9990		0.9900
Ethyl ether	0.0995 0.1332	0.1178 0.1298	0.1332	0.1300	0.1345	Ave		0.1254				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
t-Butanol	0.0092 0.0104	0.0097 0.0101	0.0108	0.0104	0.0107	Ave		0.0102				5.5		15.0			
1,1-Dichloroethene	0.1753 0.2203	0.2195 0.2168	0.2345	0.2199	0.2216	Ave		0.2154				8.6		15.0			
Acrylonitrile	0.0232 0.0317	0.0301 0.0297	0.0325	0.0313	0.0315	Ave		0.0300				10.0		15.0			
Iodomethane	0.2603 0.3953	0.2680 0.3577	0.3223	0.3458	0.3808	Lin2	-0.065	0.3686							0.9940		0.9900
Methylene Chloride	1.1557 0.2567	0.5926 0.2342	0.4185	0.3048	0.2698	Lin1	0.4244	0.2272							0.9980		0.9900
Methyl acetate	0.0909 0.1139	0.1181 0.1049	0.1242	0.1179	0.1176	Ave		0.1125				9.9		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1621 0.2117	0.2073 0.1764	0.2184	0.2114	0.2141	Ave		0.2002				11.0		15.0			
3-Chloro-1-propene	0.1028 0.1375	0.1304 0.1232	0.1384	0.1383	0.1350	Ave		0.1294				10.0		15.0			
Carbon disulfide	0.6709 0.7533	0.6996 0.6969	0.7562	0.7321	0.7454	Ave		0.7221				4.6		15.0			
trans-1,2-Dichloroethene	0.2064 0.2581	0.2538 0.2437	0.2705	0.2598	0.2582	Ave		0.2501				8.3		15.0			
Methyl tert-butyl ether	0.3233 0.4715	0.4368 0.4607	0.4745	0.4591	0.4687	Ave		0.4421				12.0		15.0			
Propionitrile	0.0100 0.0158	0.0142 0.0154	0.0157	0.0155	0.0156	Ave		0.0146				14.0		15.0			
1,1-Dichloroethane	0.3539 0.4494	0.4344 0.4249	0.4700	0.4531	0.4497	Ave		0.4336			0.1000	8.8		15.0			
Vinyl acetate	0.1217 0.1812	0.1637 0.1782	0.1801	0.1759	0.1709	Ave		0.1674				13.0		15.0			
2-Chloro-1,3-butadiene	0.2716 0.3713	0.3465 0.3320	0.3764	0.3681	0.3722	Ave		0.3483				11.0		15.0			
Hexane	0.2717 0.3342	0.3378 0.2629	0.3678	0.3477	0.3470	Ave		0.3242				12.0		15.0			
Isopropyl ether	0.6190 0.7987	0.7824 0.7172	0.8416	0.8165	0.8113	Ave		0.7695				10.0		15.0			
2-Butanone (MEK)	0.0083 0.0144	0.0102 0.0133	0.0130	0.0140	0.0146	Lin2	-0.006	0.0143							0.9970		0.9900
Methacrylonitrile	0.0100 0.0158	0.0150 0.0150	0.0163	0.0158	0.0160	Ave		0.0148				15.0		15.0			
cis-1,2-Dichloroethene	0.2265 0.2873	0.2753 0.2740	0.3010	0.2859	0.2873	Ave		0.2767				8.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0065	+++++ 0.0058	+++++	0.0067	0.0070	Lin	0.0233	0.0056							0.9980		0.9900
Bromochloromethane	0.0863 0.1182	0.1173 0.1117	0.1233	0.1183	0.1178	Ave		0.1133				11.0		15.0			
Chloroform	0.3892 0.4390	0.4355 0.4111	0.4666	0.4460	0.4444	Ave		0.4331				5.9		15.0			
Tert-butyl ethyl ether	0.4646 0.6648	0.6086 0.6226	0.6730	0.6590	0.6636	Ave		0.6223				12.0		15.0			
Isobutyl alcohol	0.0054 0.0076	0.0071 0.0071	0.0078	0.0076	0.0077	Ave		0.0072				11.0		15.0			
2,2-Dichloropropane	0.2980 0.3771	0.3739 0.3495	0.3962	0.3789	0.3801	Ave		0.3648				8.9		15.0			
Tetrahydrofuran	0.0915 0.0310	0.0405 0.0309	0.0395	0.0333	0.0327	Lin1	0.0459	0.0301							0.9960		0.9900
1,2-Dichloroethane	0.1986 0.2626	0.2568 0.2535	0.2724	0.2685	0.2597	Ave		0.2532				9.9		15.0			
n-Butanol	0.0018 0.0027	0.0021 0.0027	0.0022	0.0024	0.0027	Ave		0.0024				14.0		15.0			
1,1,1-Trichloroethane	0.3246 0.4195	0.3897 0.3885	0.4215	0.4116	0.4174	Ave		0.3961				8.7		15.0			
1,1-Dichloropropene	0.2550 0.3451	0.3250 0.3141	0.3521	0.3405	0.3470	Ave		0.3255				10.0		15.0			
Cyclohexane	0.3038 0.3955	0.3843 0.3389	0.4086	0.3896	0.3990	Ave		0.3742				10.0		15.0			
Carbon tetrachloride	0.2906 0.3719	0.3436 0.3364	0.3704	0.3633	0.3695	Ave		0.3494				8.4		15.0			
Benzene	0.9269 1.0295	1.0419 0.9571	1.0926	1.0414	1.0328	Ave		1.0174				5.5		15.0			
Tert-amyl methyl ether	0.3940 0.5609	0.5077 0.5487	0.5602	0.5474	0.5515	Ave		0.5244				11.0		15.0			
Isooctane	0.5904 0.7218	0.7270 0.6100	0.7450	0.7288	0.7280	Ave		0.6930				9.2		15.0			
Ethyl acrylate	0.1401 0.2200	0.1703 0.1839	0.1933	0.1833	0.1931	Ave		0.1834				13.0		15.0			
n-Heptane	0.2826 0.3509	0.3466 0.2897	0.3725	0.3506	0.3588	Ave		0.3360				10.0		15.0			
Dibromomethane	0.0874 0.1184	0.1119 0.1138	0.1255	0.1174	0.1185	Ave		0.1133				11.0		15.0			
1,2-Dichloropropane	0.1919 0.2501	0.2453 0.2341	0.2563	0.2484	0.2514	Ave		0.2396				9.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Nitropropane	0.0197 0.0334	0.0244 0.0335	0.0264	0.0291	0.0316	Lin2	-0.013	0.0320							0.9960		0.9900
Trichloroethene	0.2489 0.3104	0.2994 0.2902	0.3206	0.3100	0.3136	Ave		0.2990				8.1		15.0			
Bromodichloromethane	0.2422 0.3361	0.3008 0.3268	0.3292	0.3282	0.3280	Ave		0.3130				11.0		15.0			
Methyl methacrylate	0.0722 0.1162	0.1010 0.1151	0.1128	0.1136	0.1169	Ave		0.1068				15.0		15.0			
1,4-Dioxane	0.0005 0.0008	0.0006 0.0008	0.0008	0.0008	0.0009	Lin2	-0.004	0.0009							0.9930		0.9900
2-Chloroethyl vinyl ether	0.0497 0.1458	0.0753 0.1581	0.0960	0.1109	0.1310	Lin1	-0.157	0.1528							0.9940		0.9900
Methylcyclohexane	0.3424 0.4527	0.4274 0.3823	0.4656	0.4470	0.4532	Ave		0.4244				11.0		15.0			
cis-1,3-Dichloropropene	0.6242 0.8536	0.7570 0.8250	0.8387	0.8326	0.8519	Ave		0.7976				10.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.0774 0.1155	0.1050 0.1144	0.1128	0.1100	0.1132	Ave		0.1069				13.0		15.0			
trans-1,3-Dichloropropene	0.4330 0.6399	0.5474 0.6368	0.6184	0.6127	0.6383	Ave		0.5895				13.0		15.0			
1,1,2-Trichloroethane	0.2678 0.3713	0.3596 0.3610	0.3879	0.3697	0.3776	Ave		0.3564				11.0		15.0			
Ethyl methacrylate	0.2532 0.4525	0.3378 0.4468	0.4016	0.4209	0.4470	Lin2	-0.101	0.4502							1.0000		0.9900
Toluene	1.4174 1.6359	1.6020 1.5265	1.7260	1.6576	1.6678	Ave		1.6047				6.4		15.0			
1,3-Dichloropropane	0.4996 0.6649	0.6285 0.6511	0.6897	0.6665	0.6805	Ave		0.6401				10.0		15.0			
2-Hexanone	0.1162 0.1736	0.1437 0.1730	0.1696	0.1667	0.1747	Ave		0.1596				14.0		15.0			
Chlorodibromomethane	0.3406 0.4931	0.4193 0.4972	0.4693	0.4725	0.4888	Ave		0.4544				12.0		15.0			
n-Butyl acetate	++++ 0.0576	0.0517 0.0566	0.0511	0.0543	0.0589	Ave		0.0550				5.8		15.0			
Ethylene Dibromide	0.2520 0.3591	0.3348 0.3541	0.3617	0.3500	0.3573	Ave		0.3384				12.0		15.0			
Tetrachloroethene	0.4737 0.5777	0.5757 0.5310	0.6018	0.5807	0.5895	Ave		0.5614				7.9		15.0			
1-Chlorohexane	0.4578 0.5772	0.5584 0.5171	0.5913	0.5756	0.5872	Ave		0.5521				8.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.4411 0.6300	0.5727 0.6249	0.6280	0.6174	0.6317	Ave		0.5922				12.0		15.0			
Chlorobenzene	1.6215 1.9310	1.9033 1.8501	2.0500	1.9692	1.9696	Ave		1.8992			0.3000	7.2		15.0			
Ethylbenzene	0.8182 1.0331	0.9754 0.9780	1.0458	1.0285	1.0515	Ave		0.9900				8.3		15.0			
m-Xylene & p-Xylene	2.0030 2.5053	2.3460 2.4215	2.5570	2.5016	2.5417	Ave		2.4109				8.1		15.0			
Bromoform	0.1350 0.2215	0.1783 0.2286	0.1916	0.1968	0.2100	Lin2	-0.042	0.2177			0.1000				0.9980		0.9900
Styrene	1.4713 2.0314	1.7744 1.9974	1.9569	1.9467	2.0209	Ave		1.8856				11.0		15.0			
1,1,2,2-Tetrachloroethane	0.2570 0.3384	0.3241 0.3133	0.3512	0.3423	0.3375	Ave		0.3234			0.3000	9.8		15.0			
o-Xylene	0.9850 1.2495	1.2042 1.1823	1.2925	1.2502	1.2633	Ave		1.2039				8.6		15.0			
trans-1,4-Dichloro-2-butene	++++ 0.0889	0.0749 0.0899	0.0795	0.0826	0.0836	Ave		0.0832				6.8		15.0			
1,2,3-Trichloropropane	0.0696 0.1046	0.0988 0.1030	0.1066	0.1047	0.1036	Ave		0.0987				13.0		15.0			
Isopropylbenzene	2.1748 2.7319	2.5775 2.4778	2.7859	2.7329	2.7432	Ave		2.6034				8.4		15.0			
Bromobenzene	0.5699 0.6976	0.6624 0.6701	0.7064	0.6951	0.6933	Ave		0.6707				7.0		15.0			
N-Propylbenzene	0.6781 0.8448	0.8027 0.7654	0.8613	0.8401	0.8428	Ave		0.8050				8.0		15.0			
2-Chlorotoluene	0.5942 0.7185	0.6935 0.6720	0.7400	0.7194	0.7172	Ave		0.6935				7.0		15.0			
4-Chlorotoluene	1.7569 2.1081	2.0698 1.9672	2.1841	2.1127	2.1136	Ave		2.0446				7.0		15.0			
1,3,5-Trimethylbenzene	1.8883 2.4221	2.3154 2.2448	2.4652	2.3980	2.3958	Ave		2.3042				8.6		15.0			
tert-Butylbenzene	1.7766 2.2169	2.1535 2.0110	2.2609	2.1960	2.2050	Ave		2.1171				8.0		15.0			
1,2,4-Trimethylbenzene	2.0729 2.5933	2.4783 2.3833	2.6667	2.5899	2.5767	Ave		2.4802				8.1		15.0			
sec-Butylbenzene	2.5512 3.1620	3.0207 2.8135	3.2345	3.1308	3.1436	Ave		3.0081				8.1		15.0			
Benzyl chloride	0.4423 0.6558	0.5441 0.6351	0.6044	0.6146	0.6378	Ave		0.5906				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichlorobenzene	1.2834 1.5862	1.5290 1.4625	1.6399	1.5829	1.5805	Ave		1.5235				7.8		15.0			
1,4-Dichlorobenzene	1.3473 1.5474	1.5425 1.2823	1.6367	1.5720	1.5687	Ave		1.4996				8.8		15.0			
p-Isopropyltoluene	2.4253 2.9185	2.8450 2.3837	3.0071	2.9484	2.9390	Ave		2.7810				9.4		15.0			
1,2,3-Trimethylbenzene	2.0204 2.5336	2.3873 2.3598	2.5602	2.5166	2.5035	Ave		2.4117				7.8		15.0			
1,2-Dichlorobenzene	1.0913 1.3923	1.3285 1.3070	1.4215	1.3798	1.3817	Ave		1.3289				8.4		15.0			
n-Butylbenzene	2.0926 2.6025	2.4874 2.2911	2.6582	2.5891	2.6105	Ave		2.4759				8.4		15.0			
1,2-Dibromo-3-Chloropropane	0.0361 0.0776	0.0659 0.0752	0.0702	0.0731	0.0739	Lin2	-0.019	0.0780							0.9970		0.9900
1,3,5-Trichlorobenzene	0.8526 1.0537	1.0022 0.9587	1.0875	1.0636	1.0606	Ave		1.0113				8.2		15.0			
1,2,4-Trichlorobenzene	0.6952 0.8648	0.8098 0.7957	0.8755	0.8622	0.8672	Ave		0.8243				7.9		15.0			
Naphthalene	0.9972 1.3536	1.2061 1.2591	1.3322	1.3262	1.3436	Ave		1.2597				10.0		15.0			
Hexachlorobutadiene	0.1482 0.1854	0.1806 0.1615	0.1993	0.1886	0.1880	Ave		0.1788				9.9		15.0			
1,2,3-Trichlorobenzene	0.5031 0.6441	0.6194 0.5901	0.6602	0.6491	0.6498	Ave		0.6165				9.0		15.0			
Dibromofluoromethane	0.2281 0.2758	0.2590 0.2629	0.2838	0.2710	0.2719	Ave		0.2646				6.8		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2158 0.2281	0.2276 0.2213	0.2379	0.2293	0.2305	Ave		0.2272				3.1		15.0			
Toluene-d8 (Surr)	2.0433 2.3561	2.3077 2.2147	2.4894	2.3920	2.4122	Ave		2.3165				6.4		15.0			
4-Bromofluorobenzene	0.7999 0.8003	0.7709 0.7604	0.8206	0.8013	0.7979	Ave		0.7930				2.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-155255/2	C03401.D
Level 2	IC 600-155255/3	C03402.D
Level 3	IC 600-155255/4	C03403.D
Level 4	IC 600-155255/5	C03404.D
Level 5	ICIS 600-155255/6	C03405.D
Level 6	IC 600-155255/7	C03406.D
Level 7	IC 600-155255/8	C03407.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	1529 92543	3952 219330	7800	22100	45971	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chloromethane	FB	Ave	2970 116570	5501 299784	10328	28010	57265	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	1746 92682	4495 190329	8537	23818	48456	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Butadiene	FB	Ave	1973 104072	4475 240051	8699	23707	50139	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromomethane	FB	Lin1	909 68820	2149 187682	4359	12648	28942	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chloroethane	FB	Ave	1247 69509	3145 170185	5972	16795	34389	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethanol	FB	Ave	718 28235	1492 68270	3129	7494	14455	25.0 1000	50.0 2500	100	250	500
Dichlorofluoromethane	FB	Ave	3969 220554	9858 540632	19151	53704	109520	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Acrolein	FB	Ave	618 25660	1104 65759	2416	6105	12386	2.50 100	5.00 250	10.0	25.0	50.0
Acetonitrile	FB	Ave	1659 61080	3431 151374	6692	15337	30942	5.00 200	10.0 500	20.0	50.0	100
Trichlorofluoromethane	FB	Ave	3502 217770	8605 535873	16859	47621	100490	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl alcohol	FB	Lin1	2631 29405	2100 73599	3538	7842	15093	5.00 200	10.0 500	20.0	50.0	100
Acetone	FB	Lin	3914 35645	3035 91688	4645	9230	20319	1.00 40.0	2.00 100	4.00	10.0	20.0
Ethyl ether	FB	Ave	1459 83261	3518 212245	7940	19703	41577	0.500 20.0	1.00 50.0	2.00	5.00	10.0
t-Butanol	FB	Ave	1347 64830	2901 164640	6416	15831	32936	5.00 200	10.0 500	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	2571 137673	6553 354438	13978	33313	68499	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	3404 197943	8987 485779	19357	47496	97297	5.00 200	10.0 500	20.0	50.0	100
Iodomethane	FB	Lin2	3817 247014	7999 584763	19217	52384	117731	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methylene Chloride	FB	Lin1	16949 160446	17691 382828	24953	46185	83420	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methyl acetate	FB	Ave	6664 355861	17624 857010	37014	89313	181777	2.50 100	5.00 250	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2377 132284	6189 288438	13018	32036	66184	0.500 20.0	1.00 50.0	2.00	5.00	10.0
3-Chloro-1-propene	FB	Ave	1507 85901	3892 201430	8250	20951	41748	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Carbon disulfide	FB	Ave	9840 470740	20883 1139271	45085	110918	230441	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3027 161288	7577 398438	16128	39360	79831	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methyl tert-butyl ether	FB	Ave	4741 294675	13038 753100	28291	69558	144893	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Propionitrile	FB	Ave	1466 98998	4244 251782	9357	23435	48160	5.00 200	10.0 500	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	5190 280871	12968 694500	28021	68646	139024	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl acetate	FB	Ave	3569 226453	9776 582627	21476	53304	105683	1.00 40.0	2.00 100	4.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	3984 232041	10345 542784	22439	55775	115055	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Hexane	FB	Ave	3985 208881	10084 429798	21925	52682	107288	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	9078 499137	23356 1172358	50176	123706	250816	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Lin2	242 17962	610 43489	1554	4246	8999	1.00 40.0	2.00 100	4.00	10.0	20.0
Methacrylonitrile	FB	Ave	1469 99032	4490 244499	9737	23870	49330	5.00 200	10.0 500	20.0	50.0	100
cis-1,2-Dichloroethene	FB	Ave	3322 179525	8218 447892	17943	43310	88831	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acetate	FB	Lin	+++++ 8115	+++++ 18875	+++++	2033	4298	+++++ 40.0	+++++ 100	+++++	10.0	20.0
Bromochloromethane	FB	Ave	1266 73894	3501 182519	7348	17921	36432	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	5708 274339	12999 671987	27817	67566	137403	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tert-butyl ethyl ether	FB	Ave	6814 415447	18167 1017752	40123	99842	205171	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	1990 118640	5306 289746	11579	28897	59727	12.5 500	25.0 1250	50.0	125	250
2,2-Dichloropropane	FB	Ave	4371 235644	11161 571376	23622	57400	117511	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Lin1	2685 38704	2416 100959	4708	10098	20213	1.00 40.0	2.00 100	4.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	2912 164134	7667 414453	16242	40680	80279	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butanol	FB	Ave	664 41997	1565 109897	3313	9098	20501	12.5 500	25.0 1250	50.0	125	250
1,1,1-Trichloroethane	FB	Ave	4760 262161	11633 635087	25130	62366	129039	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	3740 215667	9703 513374	20989	51586	107268	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexane	FB	Ave	4455 247134	11472 553984	24360	59022	123365	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	4262 232432	10258 549957	22082	55039	114222	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Benzene	FB	Ave	13594 643338	31102 1564479	65138	157783	319305	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tert-amyl methyl ether	FB	Ave	5778 350535	15157 896915	33400	82941	170498	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isooctane	FB	Ave	8659 451052	21703 997161	44415	110414	225081	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acrylate	FB	Ave	2055 137502	5084 300616	11522	27765	59696	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Heptane	FB	Ave	4145 219280	10348 473522	22207	53117	110912	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	1282 73961	3341 186059	7482	17788	36646	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	2814 156285	7322 382686	15278	37629	77711	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Nitropropane	FB	Lin2	577 41700	1459 109534	3142	8818	19545	1.00 40.0	2.00 100	4.00	10.0	20.0
Trichloroethene	FB	Ave	3650 194005	8937 474407	19115	46974	96937	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromodichloromethane	FB	Ave	3552 210054	8978 534227	19624	49719	101408	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	FB	Ave	2117 145274	6028 376277	13447	34426	72289	1.00 40.0	2.00 100	4.00	10.0	20.0
1,4-Dioxane	FB	Lin2	155 10440	342 26419	1002	2525	5322	10.0 400	20.0 1000	40.0	100	200
2-Chloroethyl vinyl ether	CBZ	Lin1	625 81012	1959 232496	4963	14590	35064	1.00 40.0	2.00 100	4.00	10.0	20.0
Methylcyclohexane	FB	Ave	5022 282933	12759 624900	27756	67728	140107	0.500 20.0	1.00 50.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Ave	3925 237150	9841 606697	21678	54781	114039	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	2271 144298	6266 374063	13450	33320	69986	1.00 40.0	2.00 100	4.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	2723 177787	7116 468301	15983	40308	85443	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	1684 103163	4675 265475	10026	24322	50542	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Lin2	1592 125706	4391 328582	10381	27694	59833	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene	CBZ	Ave	8913 454477	20827 1122557	44612	109055	223267	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	3142 184728	8171 478760	17827	43849	91097	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	1461 96431	3736 254471	8768	21935	46785	1.00 40.0	2.00 100	4.00	10.0	20.0
Chlorodibromomethane	CBZ	Ave	2142 136997	5451 365614	12130	31090	65438	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butyl acetate	CBZ	Ave	672 16016	41603	1322	3572	7883	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	1585 99771	4352 260393	9349	23028	47828	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	2979 160483	7484 390456	15556	38204	78916	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	2879 160342	7260 380219	15283	37871	78601	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	2774 175030	7445 459509	16231	40621	84557	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	10197 536449	24744 1360467	52988	129558	263660	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	5145 287003	12681 719146	27031	67665	140758	0.500 20.0	1.00 50.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	12596 696005	30500 1780664	66092	164582	340248	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	DCB	Lin2	994 74467	2772 212606	5969	15513	34199	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Styrene	CBZ	Ave	9252 564361	23069 1468785	50581	128074	270530	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	1892 113779	5037 291373	10942	26978	54971	0.500 20.0	1.00 50.0	2.00	5.00	10.0
o-Xylene	CBZ	Ave	6194 347134	15656 869447	33407	82250	169117	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 29891	1164 83643	2476	6509	13610	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	512 35176	1535 95787	3322	8251	16876	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	16008 918622	40063 2304519	86798	215391	446784	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	4195 234578	10296 623214	22009	54787	112918	0.500 20.0	1.00 50.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	4991 284088	12477 711849	26834	66213	137260	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	4374 241595	10779 624986	23057	56700	116806	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	12932 708864	32172 1829638	68047	166511	344245	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	13899 814459	35988 2087811	76805	189001	390202	0.500 20.0	1.00 50.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	13077 745452	33472 1870388	70441	173082	359132	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	15258 872009	38520 2216656	83085	204127	419674	0.500 20.0	1.00 50.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	18779 1063247	46951 2616819	100776	246758	512001	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Benzyl chloride	DCB	Ave	3256 220527	8457 590702	18830	48443	103874	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	9447 533364	23765 1360227	51094	124755	257408	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	9917 520334	23976 1192629	50994	123898	255494	0.500 20.0	1.00 50.0	2.00	5.00	10.0
p-Isopropyltoluene	DCB	Ave	17852 981364	44221 2217025	93691	232376	478676	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trimethylbenzene	DCB	Ave	14872 851957	37107 2194832	79766	198349	407746	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	8033 468172	20649 1215620	44288	108753	225045	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110437-1 Analy Batch No.: 155255

SDG No.: _____

Instrument ID: CHVOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2015 16:08 Calibration End Date: 02/03/2015 18:51 Calibration ID: 5773

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCB	Ave	15403 875129	38662 2130926	82820	204059	425176	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin2	266 26101	1024 69912	2186	5763	12041	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trichlorobenzene	DCB	Ave	6276 354317	15578 891666	33883	83830	172740	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5117 290790	12587 740021	27276	67957	141235	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	7340 455154	18747 1171032	41506	104522	218835	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	1091 62339	2807 150227	6210	14861	30625	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	3703 216602	9628 548830	20569	51156	105830	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dibromofluoromethane	FB	Ave	3346 172335	7731 429816	16918	41057	84063	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	3165 142532	6795 361733	14183	34745	71263	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene-d8 (Surr)	CBZ	Ave	12849 654557	30002 1628625	64343	157374	322910	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Bromofluorobenzene	DCB	Ave	5888 269101	11982 707238	25566	63157	129951	0.500 20.0	1.00 50.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Lab Sample ID: CCVIS 600-161166/2 Calibration Date: 04/28/2015 12:26

Instrument ID: CHVOAMS01 Calib Start Date: 02/03/2015 16:08

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/03/2015 18:51

Lab File ID: C11801A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1349	0.0452		3.35	10.0	-66.5*	35.0
Chloromethane	Ave	0.1857	0.1476	0.1000	7.95	10.0	-20.5	35.0
Vinyl chloride	Ave	0.1416	0.1359		9.60	10.0	-4.0	20.0
Butadiene	Ave	0.1518	0.1348		8.88	10.0	-11.2	35.0
Bromomethane	Lin1		0.1200		11.2	10.0	11.7	35.0
Chloroethane	Ave	0.1040	0.1294		12.5	10.0	24.5	35.0
Ethanol	Ave	0.0010	0.0009		469	500	-6.2	35.0
Dichlorofluoromethane	Ave	0.3306	0.4384		13.3	10.0	32.6	35.0
Acrolein	Ave	0.0080	0.0065		40.6	50.0	-18.8	50.0
Acetonitrile	Ave	0.0105	0.0139		133	100	32.5	50.0
Trichlorofluoromethane	Ave	0.3036	0.4268		14.1	10.0	40.5*	35.0
Isopropyl alcohol	Lin1		0.0061		128	100	28.1	50.0
Acetone	Lin		0.0330		21.8	20.0	8.8	50.0
Ethyl ether	Ave	0.1254	0.1237		9.86	10.0	-1.4	35.0
t-Butanol	Ave	0.0102	0.0095		93.6	100	-6.4	35.0
1,1-Dichloroethene	Ave	0.2154	0.2397		11.1	10.0	11.3	20.0
Acrylonitrile	Ave	0.0300	0.0279		93.0	100	-7.0	50.0
Iodomethane	Lin2		0.1654		4.66	10.0	-53.4*	35.0
Methylene Chloride	Lin1		0.2616		9.65	10.0	-3.5	50.0
Methyl acetate	Ave	0.1125	0.0922		41.0	50.0	-18.0	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2002	0.2202		11.0	10.0	10.0	35.0
3-Chloro-1-propene	Ave	0.1294	0.1215		9.39	10.0	-6.1	35.0
Carbon disulfide	Ave	0.7221	0.8018		11.1	10.0	11.0	35.0
trans-1,2-Dichloroethene	Ave	0.2501	0.2723		10.9	10.0	8.9	35.0
Methyl tert-butyl ether	Ave	0.4421	0.4212		9.53	10.0	-4.7	35.0
Propionitrile	Ave	0.0146	0.0134		91.9	100	-8.1	35.0
1,1-Dichloroethane	Ave	0.4336	0.4637	0.1000	10.7	10.0	6.9	35.0
Vinyl acetate	Ave	0.1674	0.1976		23.6	20.0	18.0	50.0
2-Chloro-1,3-butadiene	Ave	0.3483	0.4028		11.6	10.0	15.6	35.0
Hexane	Ave	0.3242	0.3869		11.9	10.0	19.3	35.0
Isopropyl ether	Ave	0.7695	0.7586		9.86	10.0	-1.4	35.0
2-Butanone (MEK)	Lin2		0.0121		17.4	20.0	-12.9	50.0
Methacrylonitrile	Ave	0.0148	0.0154		103	100	3.4	35.0
cis-1,2-Dichloroethene	Ave	0.2767	0.2893		10.5	10.0	4.5	35.0
Ethyl acetate	Lin		0.0576		202	20.0	910.0*	35.0
Bromochloromethane	Ave	0.1133	0.0984		8.69	10.0	-13.1	35.0
Chloroform	Ave	0.4331	0.4307		9.95	10.0	-0.5	20.0
Tert-butyl ethyl ether	Ave	0.6223	0.6004		9.65	10.0	-3.5	35.0
Isobutyl alcohol	Ave	0.0072	0.0062		217	250	-13.3	50.0
2,2-Dichloropropane	Ave	0.3648	0.4227		11.6	10.0	15.9	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Lab Sample ID: CCVIS 600-161166/2 Calibration Date: 04/28/2015 12:26

Instrument ID: CHVOAMS01 Calib Start Date: 02/03/2015 16:08

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/03/2015 18:51

Lab File ID: C11801A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin1		0.0264		16.0	20.0	-19.9	35.0
1,2-Dichloroethane	Ave	0.2532	0.2327		9.19	10.0	-8.1	35.0
1,1,1-Trichloroethane	Ave	0.3961	0.4227		10.7	10.0	6.7	35.0
n-Butanol	Ave	0.0024	0.0026			250	7.9	35.0
1,1-Dichloropropene	Ave	0.3255	0.3859		11.9	10.0	18.6	35.0
Cyclohexane	Ave	0.3742	0.4123		11.0	10.0	10.2	35.0
Carbon tetrachloride	Ave	0.3494	0.3557		10.2	10.0	1.8	35.0
Benzene	Ave	1.017	1.123		11.0	10.0	10.4	35.0
Tert-amyl methyl ether	Ave	0.5244	0.4953		9.45	10.0	-5.5	35.0
Isooctane	Ave	0.6930	0.9282		13.4	10.0	33.9	35.0
Ethyl acrylate	Ave	0.1834	0.2031		11.1	10.0	10.7	35.0
n-Heptane	Ave	0.3360	0.4064		12.1	10.0	21.0	35.0
Dibromomethane	Ave	0.1133	0.1054		9.30	10.0	-7.0	35.0
1,2-Dichloropropane	Ave	0.2396	0.2532		10.6	10.0	5.7	20.0
2-Nitropropane	Lin2		0.0307		19.6	20.0	-2.0	35.0
Trichloroethene	Ave	0.2990	0.3202		10.7	10.0	7.1	35.0
Bromodichloromethane	Ave	0.3130	0.3090		9.87	10.0	-1.3	35.0
Methyl methacrylate	Ave	0.1068	0.1088		18.7	20.0	1.8	50.0
1,4-Dioxane	Lin2		0.0008		193	200	-3.5	50.0
2-Chloroethyl vinyl ether	Lin1		0.0475		7.24	20.0	-63.8*	35.0
Methylcyclohexane	Ave	0.4244	0.4880		11.5	10.0	15.0	35.0
cis-1,3-Dichloropropene	Ave	0.7976	0.7518		9.43	10.0	-5.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1069	0.0947		17.7	20.0	-11.4	50.0
trans-1,3-Dichloropropene	Ave	0.5895	0.5709		9.68	10.0	-3.2	35.0
1,1,2-Trichloroethane	Ave	0.3564	0.3190		8.95	10.0	-10.5	35.0
Ethyl methacrylate	Lin2		0.3571		8.16	10.0	-18.4	50.0
Toluene	Ave	1.605	1.627		10.1	10.0	1.4	20.0
1,3-Dichloropropane	Ave	0.6401	0.5839		9.12	10.0	-8.8	35.0
2-Hexanone	Ave	0.1596	0.1427		17.9	20.0	-10.6	50.0
Chlorodibromomethane	Ave	0.4544	0.4194		9.23	10.0	-7.7	35.0
n-Butyl acetate	Ave	0.0550	0.2778		50.5	10.0	404.8*	35.0
Ethylene Dibromide	Ave	0.3384	0.3047		9.00	10.0	-10.0	35.0
Tetrachloroethene	Ave	0.5614	0.6079		10.8	10.0	8.3	35.0
1-Chlorohexane	Ave	0.5521	0.6451		11.7	10.0	16.9	35.0
1,1,1,2-Tetrachloroethane	Ave	0.5922	0.5772		9.75	10.0	-2.5	35.0
Chlorobenzene	Ave	1.899	1.929	0.3000	10.2	10.0	1.6	35.0
Ethylbenzene	Ave	0.9900	1.160		11.7	10.0	17.1	20.0
m-Xylene & p-Xylene	Ave	2.411	2.543		10.6	10.0	5.5	35.0
Bromoform	Lin2		0.2083	0.1000	9.76	10.0	-2.4	35.0
Styrene	Ave	1.886	1.831		9.71	10.0	-2.9	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3234	0.3692	0.3000	11.4	10.0	14.1	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-161166/2 Calibration Date: 04/28/2015 12:26
 Instrument ID: CHVOAMS01 Calib Start Date: 02/03/2015 16:08
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/03/2015 18:51
 Lab File ID: C11801A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.204	1.251		10.4	10.0	3.9	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0832	0.0561		6.75	10.0	-32.6	50.0
1,2,3-Trichloropropane	Ave	0.0987	0.0913		9.25	10.0	-7.5	35.0
Isopropylbenzene	Ave	2.603	2.905		11.2	10.0	11.6	35.0
Bromobenzene	Ave	0.6707	0.7349		11.0	10.0	9.6	35.0
N-Propylbenzene	Ave	0.8050	0.8915		11.1	10.0	10.7	35.0
2-Chlorotoluene	Ave	0.6935	0.7490		10.8	10.0	8.0	35.0
4-Chlorotoluene	Ave	2.045	2.233		10.9	10.0	9.2	35.0
1,3,5-Trimethylbenzene	Ave	2.304	2.534		11.0	10.0	10.0	35.0
tert-Butylbenzene	Ave	2.117	2.270		10.7	10.0	7.2	35.0
1,2,4-Trimethylbenzene	Ave	2.480	2.597		10.5	10.0	4.7	35.0
sec-Butylbenzene	Ave	3.008	3.267		10.9	10.0	8.6	35.0
Benzyl chloride	Ave	0.5906	0.7080		12.0	10.0	19.9	35.0
1,3-Dichlorobenzene	Ave	1.523	1.491		9.79	10.0	-2.1	35.0
1,4-Dichlorobenzene	Ave	1.500	1.450		9.67	10.0	-3.3	35.0
p-Isopropyltoluene	Ave	2.781	2.993		10.8	10.0	7.6	35.0
1,2,3-Trimethylbenzene	Ave	2.412	2.630		10.9	10.0	9.1	35.0
1,2-Dichlorobenzene	Ave	1.329	1.189		8.95	10.0	-10.5	35.0
n-Butylbenzene	Ave	2.476	2.603		10.5	10.0	5.1	35.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0481		6.41	10.0	-35.9*	35.0
1,3,5-Trichlorobenzene	Ave	1.011	1.054		10.4	10.0	4.2	35.0
1,2,4-Trichlorobenzene	Ave	0.8243	0.6203		7.53	10.0	-24.7	35.0
Naphthalene	Ave	1.260	0.6751		5.36	10.0	-46.4*	35.0
Hexachlorobutadiene	Ave	0.1788	0.1798		10.1	10.0	0.5	35.0
1,2,3-Trichlorobenzene	Ave	0.6165	0.3534		5.73	10.0	-42.7*	35.0
Dibromofluoromethane	Ave	0.2646	0.2545		9.62	10.0	-3.8	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2272	0.2051		9.03	10.0	-9.7	35.0
Toluene-d8 (Surr)	Ave	2.316	2.319		10.0	10.0	0.1	35.0
4-Bromofluorobenzene	Ave	0.7930	0.8364		10.6	10.0	5.5	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Lab Sample ID: CCVIS 600-161246/2 Calibration Date: 04/29/2015 11:29

Instrument ID: CHVOAMS01 Calib Start Date: 02/03/2015 16:08

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/03/2015 18:51

Lab File ID: C11901B.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1349	0.0739		5.48	10.0	-45.2*	35.0
Chloromethane	Ave	0.1857	0.2197	0.1000	11.8	10.0	18.3	35.0
Vinyl chloride	Ave	0.1416	0.1570		11.1	10.0	10.8	20.0
Butadiene	Ave	0.1518	0.1752		11.6	10.0	15.5	35.0
Bromomethane	Lin1		0.0739		7.03	10.0	-29.7	35.0
Chloroethane	Ave	0.1040	0.1791		17.2	10.0	72.3*	35.0
Ethanol	Ave	0.0010	0.0013		675	500	35.1*	35.0
Dichlorofluoromethane	Ave	0.3306	0.7064		21.4	10.0	113.6*	35.0
Acrolein	Ave	0.0080	0.0089		55.5	50.0	11.0	50.0
Acetonitrile	Ave	0.0105	0.0183		175	100	75.0*	50.0
Trichlorofluoromethane	Ave	0.3036	0.7588		25.0	10.0	149.9*	35.0
Isopropyl alcohol	Lin1		0.0106		230	100	130.1*	50.0
Acetone	Lin		0.0392		26.3	20.0	31.4	50.0
Ethyl ether	Ave	0.1254	0.1440		11.5	10.0	14.8	35.0
1,1-Dichloroethene	Ave	0.2154	0.2214		10.3	10.0	2.8	20.0
t-Butanol	Ave	0.0102	0.0153		150	100	50.0*	35.0
Acrylonitrile	Ave	0.0300	0.0357		119	100	18.9	50.0
Iodomethane	Lin2		0.1360		3.87	10.0	-61.3*	35.0
Methylene Chloride	Lin1		0.2588		9.53	10.0	-4.8	50.0
Methyl acetate	Ave	0.1125	0.1191		53.0	50.0	5.9	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2002	0.1993		9.95	10.0	-0.5	35.0
3-Chloro-1-propene	Ave	0.1294	0.0897		6.94	10.0	-30.6	35.0
Carbon disulfide	Ave	0.7221	0.7005		9.70	10.0	-3.0	35.0
trans-1,2-Dichloroethene	Ave	0.2501	0.2482		9.92	10.0	-0.8	35.0
Methyl tert-butyl ether	Ave	0.4421	0.5121		11.6	10.0	15.8	35.0
Propionitrile	Ave	0.0146	0.0182		125	100	24.5	35.0
1,1-Dichloroethane	Ave	0.4336	0.4543	0.1000	10.5	10.0	4.8	35.0
Vinyl acetate	Ave	0.1674	0.2397		28.6	20.0	43.2	50.0
2-Chloro-1,3-butadiene	Ave	0.3483	0.3658		10.5	10.0	5.0	35.0
Hexane	Ave	0.3242	0.3494		10.8	10.0	7.8	35.0
Isopropyl ether	Ave	0.7695	0.7943		10.3	10.0	3.2	35.0
2-Butanone (MEK)	Lin2		0.0160		22.9	20.0	14.5	50.0
Methacrylonitrile	Ave	0.0148	0.0194		131	100	30.9	35.0
cis-1,2-Dichloroethene	Ave	0.2767	0.2698		9.75	10.0	-2.5	35.0
Ethyl acetate	Lin		0.0786		277	20.0	1285.1*	35.0
Bromochloromethane	Ave	0.1133	0.1019		8.99	10.0	-10.1	35.0
Chloroform	Ave	0.4331	0.4119		9.51	10.0	-4.9	20.0
Tert-butyl ethyl ether	Ave	0.6223	0.6803		10.9	10.0	9.3	35.0
Isobutyl alcohol	Ave	0.0072	0.0099		346	250	38.3	50.0
2,2-Dichloropropane	Ave	0.3648	0.3817		10.5	10.0	4.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Lab Sample ID: CCVIS 600-161246/2 Calibration Date: 04/29/2015 11:29

Instrument ID: CHVOAMS01 Calib Start Date: 02/03/2015 16:08

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/03/2015 18:51

Lab File ID: C11901B.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin1		0.0378		23.6	20.0	17.9	35.0
1,2-Dichloroethane	Ave	0.2532	0.2547		10.1	10.0	0.6	35.0
1,1,1-Trichloroethane	Ave	0.3961	0.3822		9.65	10.0	-3.5	35.0
1,1-Dichloropropene	Ave	0.3255	0.3433		10.5	10.0	5.4	35.0
Cyclohexane	Ave	0.3742	0.3653		9.76	10.0	-2.4	35.0
Carbon tetrachloride	Ave	0.3494	0.3320		9.50	10.0	-5.0	35.0
Benzene	Ave	1.017	0.9932		9.76	10.0	-2.4	35.0
Tert-amyl methyl ether	Ave	0.5244	0.5892		11.2	10.0	12.4	35.0
Isooctane	Ave	0.6930	0.8291		12.0	10.0	19.6	35.0
Ethyl acrylate	Ave	0.1834	0.2403		13.1	10.0	31.0	35.0
n-Heptane	Ave	0.3360	0.3687		11.0	10.0	9.7	35.0
Dibromomethane	Ave	0.1133	0.1177		10.4	10.0	3.9	35.0
1,2-Dichloropropane	Ave	0.2396	0.2442		10.2	10.0	1.9	20.0
2-Nitropropane	Lin2		0.0416		26.4	20.0	32.0	35.0
Trichloroethene	Ave	0.2990	0.2891		9.67	10.0	-3.3	35.0
Bromodichloromethane	Ave	0.3130	0.3097		9.89	10.0	-1.1	35.0
Methyl methacrylate	Ave	0.1068	0.1434		24.5	20.0	34.2	50.0
1,4-Dioxane	Lin2		0.0012		296	200	47.9	50.0
2-Chloroethyl vinyl ether	Lin1		0.0961		13.6	20.0	-32.0	35.0
Methylcyclohexane	Ave	0.4244	0.4301		10.1	10.0	1.3	35.0
cis-1,3-Dichloropropene	Ave	0.7976	0.7729		9.69	10.0	-3.1	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1069	0.1345		25.2	20.0	25.8	50.0
trans-1,3-Dichloropropene	Ave	0.5895	0.6289		10.7	10.0	6.7	35.0
1,1,2-Trichloroethane	Ave	0.3564	0.3538		9.93	10.0	-0.7	35.0
Ethyl methacrylate	Lin2		0.4401		10.0	10.0	0.0	50.0
Toluene	Ave	1.605	1.425		8.88	10.0	-11.2	20.0
1,3-Dichloropropane	Ave	0.6401	0.6344		9.91	10.0	-0.9	35.0
2-Hexanone	Ave	0.1596	0.2033		25.5	20.0	27.4	50.0
Chlorodibromomethane	Ave	0.4544	0.4522		9.95	10.0	-0.5	35.0
n-Butyl acetate	Ave	0.0550	0.3605		65.5	10.0	555.0*	35.0
Ethylene Dibromide	Ave	0.3384	0.3370		9.96	10.0	-0.4	35.0
Tetrachloroethene	Ave	0.5614	0.5273		9.39	10.0	-6.1	35.0
1-Chlorohexane	Ave	0.5521	0.5588		10.1	10.0	1.2	35.0
1,1,1,2-Tetrachloroethane	Ave	0.5922	0.5563		9.39	10.0	-6.1	35.0
Chlorobenzene	Ave	1.899	1.715	0.3000	9.03	10.0	-9.7	35.0
Ethylbenzene	Ave	0.9900	0.9075		9.17	10.0	-8.3	20.0
m-Xylene & p-Xylene	Ave	2.411	2.183		9.05	10.0	-9.5	35.0
Bromoform	Lin2		0.2132	0.1000	9.98	10.0	-0.2	35.0
Styrene	Ave	1.886	1.638		8.69	10.0	-13.1	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3234	0.4154	0.3000	12.8	10.0	28.4	35.0
o-Xylene	Ave	1.204	1.093		9.08	10.0	-9.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-161246/2 Calibration Date: 04/29/2015 11:29
 Instrument ID: CHVOAMS01 Calib Start Date: 02/03/2015 16:08
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/03/2015 18:51
 Lab File ID: C11901B.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.0832	0.0751		9.03	10.0	-9.7	50.0
1,2,3-Trichloropropane	Ave	0.0987	0.0967		9.80	10.0	-2.0	35.0
Isopropylbenzene	Ave	2.603	2.123		8.16	10.0	-18.4	35.0
Bromobenzene	Ave	0.6707	0.6052		9.02	10.0	-9.8	35.0
N-Propylbenzene	Ave	0.8050	0.6577		8.17	10.0	-18.3	35.0
2-Chlorotoluene	Ave	0.6935	0.5731		8.26	10.0	-17.4	35.0
4-Chlorotoluene	Ave	2.045	1.720		8.41	10.0	-15.9	35.0
1,3,5-Trimethylbenzene	Ave	2.304	1.896		8.23	10.0	-17.7	35.0
tert-Butylbenzene	Ave	2.117	1.717		8.11	10.0	-18.9	35.0
1,2,4-Trimethylbenzene	Ave	2.480	1.984		8.00	10.0	-20.0	35.0
sec-Butylbenzene	Ave	3.008	2.485		8.26	10.0	-17.4	35.0
Benzyl chloride	Ave	0.5906	0.8090		13.7	10.0	37.0*	35.0
1,3-Dichlorobenzene	Ave	1.523	1.240		8.14	10.0	-18.6	35.0
1,4-Dichlorobenzene	Ave	1.500	1.256		8.38	10.0	-16.2	35.0
p-Isopropyltoluene	Ave	2.781	2.314		8.32	10.0	-16.8	35.0
1,2,3-Trimethylbenzene	Ave	2.412	2.166		8.98	10.0	-10.2	35.0
1,2-Dichlorobenzene	Ave	1.329	1.115		8.39	10.0	-16.1	35.0
n-Butylbenzene	Ave	2.476	2.083		8.41	10.0	-15.9	35.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0677		8.93	10.0	-10.7	35.0
1,3,5-Trichlorobenzene	Ave	1.011	1.004		9.93	10.0	-0.7	35.0
1,2,4-Trichlorobenzene	Ave	0.8243	0.7461		9.05	10.0	-9.5	35.0
Naphthalene	Ave	1.260	1.033		8.20	10.0	-18.0	35.0
Hexachlorobutadiene	Ave	0.1788	0.1683		9.41	10.0	-5.9	35.0
1,2,3-Trichlorobenzene	Ave	0.6165	0.5384		8.73	10.0	-12.7	35.0
Dibromofluoromethane	Ave	0.2646	0.2485		9.39	10.0	-6.1	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2272	0.2184		9.61	10.0	-3.9	35.0
Toluene-d8 (Surr)	Ave	2.316	2.005		8.66	10.0	-13.5	35.0
4-Bromofluorobenzene	Ave	0.7930	0.6688		8.43	10.0	-15.7	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-161166/6
 Matrix: Water Lab File ID: C11805.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 14:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		67-139
1868-53-7	Dibromofluoromethane	85		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		50-134
2037-26-5	Toluene-d8 (Surr)	95		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-161246/6

Matrix: Water Lab File ID: C11905.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 13:48

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.192	U	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-161246/6

Matrix: Water Lab File ID: C11905.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 13:48

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.138	U	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	96		67-139
1868-53-7	Dibromofluoromethane	94		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-134
2037-26-5	Toluene-d8 (Surr)	92		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 600-161166/3
 Matrix: Water Lab File ID: C11802.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 13:04
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	13.93		1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	11.12		1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	91		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		50-134
2037-26-5	Toluene-d8 (Surr)	97		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-161246/3

Matrix: Water Lab File ID: C11902.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 12:12

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	9.813		1.00	0.176
108-86-1	Bromobenzene	10.52		1.00	0.195
74-97-5	Bromochloromethane	9.394		1.00	0.162
75-27-4	Bromodichloromethane	11.31		1.00	0.153
75-25-2	Bromoform	12.47		1.00	0.151
74-83-9	Bromomethane	4.667		2.00	0.250
78-93-3	2-Butanone (MEK)	25.37		2.00	0.760
56-23-5	Carbon tetrachloride	9.510		1.00	0.183
108-90-7	Chlorobenzene	10.03		1.00	0.185
124-48-1	Chlorodibromomethane	11.83		1.00	0.119
75-00-3	Chloroethane	15.43		2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	13.55		2.00	0.500
67-66-3	Chloroform	10.10		1.00	0.151
74-87-3	Chloromethane	6.764		2.00	0.209
95-49-8	2-Chlorotoluene	9.375		1.00	0.226
106-43-4	4-Chlorotoluene	9.519		1.00	0.210
156-59-2	cis-1,2-Dichloroethene	9.915		1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	10.71		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	11.73		1.00	0.810
74-95-3	Dibromomethane	11.63		1.00	0.520
95-50-1	1,2-Dichlorobenzene	9.956		1.00	0.153
541-73-1	1,3-Dichlorobenzene	9.353		1.00	0.210
106-46-7	1,4-Dichlorobenzene	9.902		1.00	0.176
75-71-8	Dichlorodifluoromethane	3.601		1.00	0.859
75-34-3	1,1-Dichloroethane	10.54		1.00	0.168
107-06-2	1,2-Dichloroethane	11.17		1.00	0.116
75-35-4	1,1-Dichloroethene	9.424		1.00	0.192
78-87-5	1,2-Dichloropropane	11.03		1.00	0.136
142-28-9	1,3-Dichloropropane	11.43		1.00	0.220
594-20-7	2,2-Dichloropropane	9.448		1.00	0.258
563-58-6	1,1-Dichloropropene	10.40		1.00	0.191
100-41-4	Ethylbenzene	9.995		1.00	0.212
106-93-4	Ethylene Dibromide	11.69		1.00	0.111
87-68-3	Hexachlorobutadiene	10.57		1.00	0.215
98-82-8	Isopropylbenzene	9.128		1.00	0.241
75-09-2	Methylene Chloride	9.849		5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-161246/3

Matrix: Water Lab File ID: C11902.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 12:12

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	12.23		1.00	0.105
179601-23-1	m-Xylene & p-Xylene	9.967		1.00	0.205
91-20-3	Naphthalene	10.46		2.00	0.129
104-51-8	n-Butylbenzene	9.445		1.00	0.212
103-65-1	N-Propylbenzene	9.152		1.00	0.230
95-47-6	o-Xylene	10.10		1.00	0.192
99-87-6	p-Isopropyltoluene	9.410		1.00	0.228
135-98-8	sec-Butylbenzene	9.396		1.00	0.224
100-42-5	Styrene	10.36		1.00	0.175
98-06-6	tert-Butylbenzene	9.175		1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	10.85		1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	12.69		1.00	0.197
127-18-4	Tetrachloroethene	9.728		1.00	0.514
108-88-3	Toluene	9.366		1.00	0.198
156-60-5	trans-1,2-Dichloroethene	9.517		1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	12.36		1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	10.84		1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	10.86		1.00	0.177
71-55-6	1,1,1-Trichloroethane	9.742		1.00	0.209
79-00-5	1,1,2-Trichloroethane	11.84		1.00	0.280
79-01-6	Trichloroethene	9.916		1.00	0.138
96-18-4	1,2,3-Trichloropropane	12.45		1.00	0.290
108-67-8	1,3,5-Trimethylbenzene	9.248		1.00	0.210
75-01-4	Vinyl chloride	8.984		2.00	0.248
1330-20-7	Xylenes, Total	20.07		2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		67-139
1868-53-7	Dibromofluoromethane	100		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		50-134
2037-26-5	Toluene-d8 (Surr)	94		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 600-161166/4
 Matrix: Water Lab File ID: C11803.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 04/28/2015 13:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161166 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-69-4	Trichlorofluoromethane	14.62		1.00	0.244
95-63-6	1,2,4-Trimethylbenzene	10.86		1.00	0.215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	93		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		50-134
2037-26-5	Toluene-d8 (Surr)	97		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-161246/4

Matrix: Water Lab File ID: C11903.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 12:44

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	9.299		1.00	0.176
108-86-1	Bromobenzene	9.957		1.00	0.195
74-97-5	Bromochloromethane	9.049		1.00	0.162
75-27-4	Bromodichloromethane	10.70		1.00	0.153
75-25-2	Bromoform	12.09		1.00	0.151
74-83-9	Bromomethane	4.633		2.00	0.250
78-93-3	2-Butanone (MEK)	25.07		2.00	0.760
56-23-5	Carbon tetrachloride	9.268		1.00	0.183
108-90-7	Chlorobenzene	9.583		1.00	0.185
124-48-1	Chlorodibromomethane	11.40		1.00	0.119
75-00-3	Chloroethane	15.82		2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	14.88		2.00	0.500
67-66-3	Chloroform	9.613		1.00	0.151
74-87-3	Chloromethane	6.383		2.00	0.209
95-49-8	2-Chlorotoluene	8.932		1.00	0.226
106-43-4	4-Chlorotoluene	9.049		1.00	0.210
156-59-2	cis-1,2-Dichloroethene	9.706		1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	10.22		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	11.69		1.00	0.810
74-95-3	Dibromomethane	11.02		1.00	0.520
95-50-1	1,2-Dichlorobenzene	9.548		1.00	0.153
541-73-1	1,3-Dichlorobenzene	9.022		1.00	0.210
106-46-7	1,4-Dichlorobenzene	9.403		1.00	0.176
75-71-8	Dichlorodifluoromethane	4.144		1.00	0.859
75-34-3	1,1-Dichloroethane	10.31		1.00	0.168
107-06-2	1,2-Dichloroethane	10.74		1.00	0.116
75-35-4	1,1-Dichloroethene	9.331		1.00	0.192
78-87-5	1,2-Dichloropropane	10.55		1.00	0.136
142-28-9	1,3-Dichloropropane	10.96		1.00	0.220
594-20-7	2,2-Dichloropropane	8.936		1.00	0.258
563-58-6	1,1-Dichloropropene	10.16		1.00	0.191
100-41-4	Ethylbenzene	9.501		1.00	0.212
106-93-4	Ethylene Dibromide	11.30		1.00	0.111
87-68-3	Hexachlorobutadiene	10.55		1.00	0.215
98-82-8	Isopropylbenzene	8.766		1.00	0.241
75-09-2	Methylene Chloride	9.461		5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-161246/4

Matrix: Water Lab File ID: C11903.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/29/2015 12:44

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161246 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	11.95		1.00	0.105
179601-23-1	m-Xylene & p-Xylene	9.551		1.00	0.205
91-20-3	Naphthalene	10.35		2.00	0.129
104-51-8	n-Butylbenzene	9.059		1.00	0.212
103-65-1	N-Propylbenzene	8.817		1.00	0.230
95-47-6	o-Xylene	9.644		1.00	0.192
99-87-6	p-Isopropyltoluene	9.049		1.00	0.228
135-98-8	sec-Butylbenzene	9.019		1.00	0.224
100-42-5	Styrene	9.856		1.00	0.175
98-06-6	tert-Butylbenzene	8.838		1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	10.42		1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	12.31		1.00	0.197
127-18-4	Tetrachloroethene	9.441		1.00	0.514
108-88-3	Toluene	8.999		1.00	0.198
156-60-5	trans-1,2-Dichloroethene	9.346		1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	11.91		1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	10.77		1.00	0.570
71-55-6	1,1,1-Trichloroethane	9.474		1.00	0.209
79-00-5	1,1,2-Trichloroethane	11.35		1.00	0.280
79-01-6	Trichloroethene	9.628		1.00	0.138
96-18-4	1,2,3-Trichloropropane	12.00		1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	8.755		1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	8.844		1.00	0.210
75-01-4	Vinyl chloride	9.468		2.00	0.248
1330-20-7	Xylenes, Total	19.20		2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		67-139
1868-53-7	Dibromofluoromethane	101		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-134
2037-26-5	Toluene-d8 (Surr)	93		70-130

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Instrument ID: CHVOAMS01 Start Date: 02/03/2015 15:39Analysis Batch Number: 155255 End Date: 02/03/2015 21:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-155255/1		02/03/2015 15:39	1	C03400B.D	DB-VRX 60 0.25 (mm)
IC 600-155255/2		02/03/2015 16:08	1	C03401.D	DB-VRX 60 0.25 (mm)
IC 600-155255/3		02/03/2015 16:35	1	C03402.D	DB-VRX 60 0.25 (mm)
IC 600-155255/4		02/03/2015 17:02	1	C03403.D	DB-VRX 60 0.25 (mm)
IC 600-155255/5		02/03/2015 17:29	1	C03404.D	DB-VRX 60 0.25 (mm)
ICIS 600-155255/6		02/03/2015 17:56	1	C03405.D	DB-VRX 60 0.25 (mm)
IC 600-155255/7		02/03/2015 18:24	1	C03406.D	DB-VRX 60 0.25 (mm)
IC 600-155255/8		02/03/2015 18:51	1	C03407.D	DB-VRX 60 0.25 (mm)
ZZZZZ		02/03/2015 19:46	1		DB-VRX 60 0.25 (mm)
ICV 600-155255/1010		02/03/2015 19:46	1		DB-VRX 60 0.25 (mm)
ZZZZZ		02/03/2015 21:08	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-110437-1

SDG No.: _____

Instrument ID: CHVOAMS01Start Date: 04/28/2015 11:14Analysis Batch Number: 161166End Date: 04/28/2015 23:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-161166/1		04/28/2015 11:14	1	C11800.D	DB-VRX 60 0.25 (mm)
CCVIS 600-161166/2		04/28/2015 12:26	1	C11801A.D	DB-VRX 60 0.25 (mm)
LCS 600-161166/3		04/28/2015 13:04	1	C11802.D	DB-VRX 60 0.25 (mm)
LCSD 600-161166/4		04/28/2015 13:30	1	C11803.D	DB-VRX 60 0.25 (mm)
MB 600-161166/6		04/28/2015 14:21	1	C11805.D	DB-VRX 60 0.25 (mm)
600-110437-3	TRIP BLANK	04/28/2015 14:47	1	C11814.D	DB-VRX 60 0.25 (mm)
600-110437-1	ARTESIA-MW17C-04222015	04/28/2015 15:13	1	C11806.D	DB-VRX 60 0.25 (mm)
600-110437-2	ARTESIA-MW12-04222015	04/28/2015 15:39	1	C11807.D	DB-VRX 60 0.25 (mm)
600-110437-4	ARTESIA-MW18-04222015	04/28/2015 16:05	1	C11808.D	DB-VRX 60 0.25 (mm)
600-110437-5	ARTESIA-MW21-04222015	04/28/2015 16:31	1	C11809.D	DB-VRX 60 0.25 (mm)
600-110437-6	ARTESIA-MW22-04222015	04/28/2015 16:57	1	C11810.D	DB-VRX 60 0.25 (mm)
600-110437-7	ARTESIA-DUP01-04222015	04/28/2015 17:23	1	C11811.D	DB-VRX 60 0.25 (mm)
600-110437-8	ARTESIA-MW25-04222015	04/28/2015 17:49	1	C11812.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 18:15	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 18:40	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 19:06	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 19:33	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 19:59	1		DB-VRX 60 0.25 (mm)
600-110437-2 DL	ARTESIA-MW12-04222015 DL	04/28/2015 20:25	10	C11819.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 20:52	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 21:18	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 21:45	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 22:11	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 22:37	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/28/2015 23:04	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-110437-1

SDG No.: _____

Instrument ID: CHVOAMS01 Start Date: 04/29/2015 09:34Analysis Batch Number: 161246 End Date: 04/29/2015 20:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-161246/1		04/29/2015 09:34	1	C11900.D	DB-VRX 60 0.25 (mm)
CCVIS 600-161246/2		04/29/2015 11:29	1	C11901B.D	DB-VRX 60 0.25 (mm)
LCS 600-161246/3		04/29/2015 12:12	1	C11902.D	DB-VRX 60 0.25 (mm)
LCSD 600-161246/4		04/29/2015 12:44	1	C11903.D	DB-VRX 60 0.25 (mm)
MB 600-161246/6		04/29/2015 13:48	1	C11905.D	DB-VRX 60 0.25 (mm)
600-110437-3	TRIP BLANK	04/29/2015 14:15	1	C11906.D	DB-VRX 60 0.25 (mm)
600-110437-1	ARTESIA-MW17C-04222015	04/29/2015 14:41	1	C11907.D	DB-VRX 60 0.25 (mm)
600-110437-4	ARTESIA-MW18-04222015	04/29/2015 15:07	1	C11908.D	DB-VRX 60 0.25 (mm)
600-110437-5	ARTESIA-MW21-04222015	04/29/2015 15:33	1	C11909.D	DB-VRX 60 0.25 (mm)
600-110437-6	ARTESIA-MW22-04222015	04/29/2015 15:59	1	C11910.D	DB-VRX 60 0.25 (mm)
600-110437-7	ARTESIA-DUP01-04222015	04/29/2015 16:25	1	C11911.D	DB-VRX 60 0.25 (mm)
600-110437-8	ARTESIA-MW25-04222015	04/29/2015 16:51	1	C11912.D	DB-VRX 60 0.25 (mm)
600-110437-2	ARTESIA-MW12-04222015	04/29/2015 17:17	1	C11913.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 17:42	20		DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 18:08	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 18:34	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 19:00	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 19:26	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 19:52	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/29/2015 20:18	1		DB-VRX 60 0.25 (mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Corpus Christi Job Number: 600-110437-1
SDG No.: _____
Project: Dowell - Artesia Groundwater

Client Sample ID	Lab Sample ID
<u>ARTESIA-MW18-04222015</u>	<u>600-110437-4</u>
<u>ARTESIA-MW21-04222015</u>	<u>600-110437-5</u>
<u>ARTESIA-MW22-04222015</u>	<u>600-110437-6</u>
<u>ARTESIA-DUP01-04222015</u>	<u>600-110437-7</u>
<u>ARTESIA-MW25-04222015</u>	<u>600-110437-8</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW18-04222015 Lab Sample ID: 600-110437-4
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG ID.: _____
Matrix: Water Date Sampled: 04/22/2015 12:48
Reporting Basis: WET Date Received: 04/23/2015 10:08

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U	*	1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW21-04222015 Lab Sample ID: 600-110437-5
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG ID.:
Matrix: Water Date Sampled: 04/22/2015 13:42
Reporting Basis: WET Date Received: 04/23/2015 10:08

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U	*	1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW22-04222015 Lab Sample ID: 600-110437-6
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG ID.:
Matrix: Water Date Sampled: 04/22/2015 14:25
Reporting Basis: WET Date Received: 04/23/2015 10:08

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U	*	1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-DUP01-04222015 Lab Sample ID: 600-110437-7
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG ID.:
Matrix: Water Date Sampled: 04/22/2015 16:30
Reporting Basis: WET Date Received: 04/23/2015 10:08

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U	*	1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW25-04222015 Lab Sample ID: 600-110437-8
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG ID.:
Matrix: Water Date Sampled: 04/22/2015 15:20
Reporting Basis: WET Date Received: 04/23/2015 10:08

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.362	0.0500	0.0116	mg/L		*	1	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICV Source: aICV_esi500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00025

Analyte	ICV 560-115318/2 04/28/2015 13:50				CCV 560-115318/47 04/28/2015 19:49				CCV 560-115318/58 04/28/2015 21:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	6063		5000	121	2597		2500	104	2705		2500	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICV Source: aICV_esi500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00025

Analyte	CCV 560-115318/70 04/28/2015 22:42											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	2563		2500	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICV Source: aICV_esi500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00025

Analyte	ICV 560-115377/2 04/30/2015 10:11				CCV 560-115377/13 04/30/2015 12:03							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	4968		5000	99	2546		2500	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 560-115318/5 04/28/2015 14:22		CCB 560-115318/48 04/28/2015 20:05		CCB 560-115318/59 04/28/2015 21:30		CCB 560-115318/71 04/28/2015 22:57	
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U	11.6	U	11.6	U	11.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 560-115377/5 04/30/2015 10:43		CCB 560-115377/14 04/30/2015 12:23					
		Found	C	Found	C	Found	C	Found	C
Manganese	50.0	11.6	U	11.6	U				

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 560-115257/1-A
Instrument Code: Micpms Batch No.: 115318

CAS No.	Analyte	Concentration	C	Q	Method
7439-96-5	Manganese, Dissolved	0.0116	U		6020

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
 SDG No.: _____
 Lab Sample ID: ICSA 560-115318/3 Instrument ID: Micpms
 Lab File ID: 014SMPL.D ICS Source: INT-A_00087
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese, Dissolved		11.9	
Aluminum	250000	270800	108
Antimony		0.660	
Arsenic		0.839	
Barium		2.16	
Beryllium		0.0025	
Boron		8.70	
Cadmium		0.0504	
Calcium	250000	244900	98
Chromium		1.02	
Cobalt		0.415	
Copper		9.16	
Iron	100000	92720	93
Lead		1.04	
Lithium		-1.22	
Magnesium	250000	265500	106
Molybdenum		0.964	
Nickel		2.88	
Phosphorus		0.312	
Potassium		76.8	
Selenium		-0.127	
Silicon		1424	
Silver		0.152	
Sodium		66.9	
Strontium		1.44	
Thallium		0.771	
Tin		1.36	
Titanium		3.90	
Uranium		0.0464	
Vanadium		-0.0284	
Zinc		21.4	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
 SDG No.: _____
 Lab Sample ID: ICSAB 560-115318/4 Instrument ID: Micpms
 Lab File ID: 015SMPL.D ICS Source: INT-AB_00089
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese, Dissolved	500	504	101
Aluminum	250000	281700	113
Antimony		0.474	
Arsenic		2.06	
Barium	500	498	100
Beryllium	500	510	102
Boron		2.72	
Cadmium	1000	985	98
Calcium	250000	256000	102
Chromium	500	504	101
Cobalt	500	476	95
Copper	500	489	98
Iron	100000	97360	97
Lithium		-0.699	
Magnesium	250000	275700	110
Molybdenum		0.619	
Nickel	1000	945	94
Phosphorus		24.3	
Potassium		117	
Selenium		1.36	
Silicon		1862	
Silver	1000	964	96
Sodium		151	
Strontium		1.85	
Thallium		0.908	
Tin		6.68	
Titanium		2.41	
Vanadium	500	500	100
Zinc	1000	963	96

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
 SDG No.: _____
 Lab Sample ID: ICSA 560-115377/3 Instrument ID: Micpms
 Lab File ID: 015SMPL.D ICS Source: INT-A_00087
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese		11.1	
Aluminum	250000	240200	96
Antimony		0.641	
Arsenic		0.935	
Barium		3.50	
Beryllium		-0.0063	
Boron		-2.95	
Cadmium		0.0119	
Calcium	250000	247100	99
Chromium		0.816	
Cobalt		0.458	
Copper		12.3	
Iron	100000	93860	94
Lead		0.938	
Lithium		1.26	
Magnesium	250000	237200	95
Molybdenum		0.976	
Nickel		2.29	
Phosphorus		-58.4	
Potassium		52.9	
Selenium		1.28	
Silver		0.107	
Sodium		75.6	
Strontium		0.727	
Thallium		0.443	
Tin		0.998	
Titanium		2.61	
Uranium		0.0234	
Vanadium		-2.71	
Zinc		21.5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
 SDG No.: _____
 Lab Sample ID: ICSAB 560-115377/4 Instrument ID: Micpms
 Lab File ID: 016SMPL.D ICS Source: INT-AB_00089
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Manganese	500	500	100
<i>Aluminum</i>	<i>250000</i>	<i>242600</i>	<i>97</i>
<i>Antimony</i>		<i>0.591</i>	
<i>Arsenic</i>		<i>2.36</i>	
<i>Barium</i>	<i>500</i>	<i>501</i>	<i>100</i>
<i>Cadmium</i>	<i>1000</i>	<i>984</i>	<i>98</i>
<i>Calcium</i>	<i>250000</i>	<i>250900</i>	<i>100</i>
<i>Chromium</i>	<i>500</i>	<i>505</i>	<i>101</i>
<i>Cobalt</i>	<i>500</i>	<i>487</i>	<i>97</i>
<i>Copper</i>	<i>500</i>	<i>489</i>	<i>98</i>
<i>Iron</i>	<i>100000</i>	<i>96030</i>	<i>96</i>
<i>Lead</i>	<i>1000</i>	<i>986</i>	<i>99</i>
<i>Magnesium</i>	<i>250000</i>	<i>241300</i>	<i>97</i>
<i>Molybdenum</i>		<i>0.240</i>	
<i>Nickel</i>	<i>1000</i>	<i>979</i>	<i>98</i>
<i>Phosphorus</i>		<i>-60.7</i>	
<i>Potassium</i>		<i>148</i>	
<i>Selenium</i>		<i>1.65</i>	
<i>Silicon</i>		<i>-475</i>	
<i>Silver</i>	<i>1000</i>	<i>965</i>	<i>97</i>
<i>Sodium</i>		<i>227</i>	
<i>Strontium</i>		<i>1.29</i>	
<i>Thallium</i>		<i>0.0458</i>	
<i>Tin</i>		<i>5.01</i>	
<i>Titanium</i>		<i>3.62</i>	
<i>Uranium</i>		<i>0.0048</i>	
<i>Vanadium</i>	<i>500</i>	<i>506</i>	<i>101</i>
<i>Zinc</i>	<i>1000</i>	<i>1052</i>	<i>105</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 600-110402-C-1-B MS
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Manganese, Dissolved	6.365	0.119	5.00	125	80-120	F1	6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 600-110402-C-1-C MSD
Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Manganese, Dissolved	6.405	5.00	126	80-120	1	20	F1	6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 560-115257/2-A

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110437-1

Sample Matrix: Water

LCS Source: ESI-spKA_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Manganese, Dissolved	5.00	5.147		103	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-110437-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 MDL Date: 05/02/2011 10:33
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Manganese, Dissolved	55	50	11.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-110437-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 XMDL Date: 05/02/2011 10:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Manganese, Dissolved	55	50	11.6

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Corpus Christi

Job No: 600-110437-1

SDG No.: _____

Instrument ID: Micpms

Date: 05/12/2011 15:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Manganese, Dissolved	0.15	50000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 560-115257/1-A	04/28/2015 13:00	115257		50	50
LCS 560-115257/2-A	04/28/2015 13:00	115257		50	50
600-110402-C-1-B MS	04/28/2015 13:00	115257		50	50
600-110402-C-1-C MSD	04/28/2015 13:00	115257		50	50
600-110437-4	04/28/2015 13:00	115257		50	50
600-110437-5	04/28/2015 13:00	115257		50	50
600-110437-6	04/28/2015 13:00	115257		50	50
600-110437-7	04/28/2015 13:00	115257		50	50
600-110437-8	04/28/2015 13:00	115257		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 04/28/2015 13:45 End Date: 04/28/2015 23:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
ICV 560-115318/1			13:45																
ICV 560-115318/2	1		13:50	X															
ICSA 560-115318/3	1		14:06	X															
ICSAB 560-115318/4	1		14:11	X															
ICB 560-115318/5	1		14:22	X															
ZZZZZZ			14:27																
ZZZZZZ			14:32																
ZZZZZZ			14:38																
ZZZZZZ			14:43																
ZZZZZZ			14:49																
ZZZZZZ			14:55																
ZZZZZZ			15:00																
ZZZZZZ			15:06																
ZZZZZZ			15:12																
CCV 560-115318/15			15:33																
CCB 560-115318/16			15:48																
ZZZZZZ			15:53																
ZZZZZZ			15:58																
ZZZZZZ			16:09																
ZZZZZZ			16:15																
ZZZZZZ			16:20																
ZZZZZZ			16:26																
ZZZZZZ			16:31																
ZZZZZZ			16:37																
ZZZZZZ			16:43																
CCV 560-115318/26			16:59																
CCB 560-115318/27			17:14																
ZZZZZZ			17:19																
ZZZZZZ			17:25																
ZZZZZZ			17:30																
ZZZZZZ			17:36																
ZZZZZZ			17:41																
ZZZZZZ			17:47																
ZZZZZZ			17:53																
ZZZZZZ			17:58																
ZZZZZZ			18:09																
CCV 560-115318/37			18:24																
CCB 560-115318/38			18:40																
ZZZZZZ			18:45																
ZZZZZZ			18:50																
ZZZZZZ			18:56																
ZZZZZZ			19:01																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 04/28/2015 13:45 End Date: 04/28/2015 23:28

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
ZZZZZZ			19:06																
ZZZZZZ			19:12																
ZZZZZZ			19:17																
ZZZZZZ			19:23																
CCV 560-115318/47	1		19:49	X															
CCB 560-115318/48	1		20:05	X															
MB 560-115257/1-A	1	T	20:10	X															
ZZZZZZ			20:15																
ZZZZZZ			20:25																
600-110402-C-1-B MS	1	D	20:31	X															
600-110402-C-1-C MSD	1	D	20:37	X															
ZZZZZZ			20:42																
ZZZZZZ			20:48																
ZZZZZZ			20:53																
ZZZZZZ			20:59																
CCV 560-115318/58	1		21:15	X															
CCB 560-115318/59	1		21:30	X															
ZZZZZZ			21:36																
600-110437-4	1	D	21:41	X															
600-110437-5	1	D	21:46	X															
600-110437-6	1	D	21:52	X															
600-110437-7	1	D	21:58	X															
600-110437-8	1	D	22:03	X															
ZZZZZZ			22:09																
ZZZZZZ			22:15																
ZZZZZZ			22:20																
ZZZZZZ			22:26																
CCV 560-115318/70	1		22:42	X															
CCB 560-115318/71	1		22:57	X															
CCV 560-115318/72			23:12																
CCB 560-115318/73			23:28																

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 04/30/2015 10:06 End Date: 04/30/2015 14:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n																	
ZZZZZZ			10:06																		
ICV 560-115377/2	1		10:11	X																	
ICSA 560-115377/3	1		10:28	X																	
ICSAB 560-115377/4	1		10:33	X																	
ICB 560-115377/5	1		10:43	X																	
ZZZZZZ			10:48																		
ZZZZZZ			10:53																		
ZZZZZZ			11:04																		
ZZZZZZ			11:09																		
ZZZZZZ			11:15																		
ZZZZZZ			11:21																		
LCS 560-115257/2-A	1	T	11:26	X																	
ZZZZZZ			11:37																		
CCV 560-115377/13	1		12:03	X																	
CCB 560-115377/14	1		12:23	X																	
ZZZZZZ			12:29																		
ZZZZZZ			12:34																		
ZZZZZZ			12:40																		
ZZZZZZ			12:46																		
ZZZZZZ			12:51																		
ZZZZZZ			12:57																		
ZZZZZZ			13:03																		
CCV 560-115377/25			13:34																		
CCV 560-115377/22			13:44																		
CCB 560-115377/23			14:05																		

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/28/2015 End Date: 04/28/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Y-89	Q
ICV 560-115318/2	13:50	92		93		92		91		83	
ICSA 560-115318/3	14:06	96		96		96		93		92	
ICSAB 560-115318/4	14:11	95		96		97		93		93	
ICB 560-115318/5	14:22	98		99		99		95		98	
CCV 560-115318/47	19:49	83		80		80		90		118	
CCB 560-115318/48	20:05	88		81		82		96		113	
MB 560-115257/1-A	20:10	94		80		79		108		119	
LCS 560-115257/2-A	20:15	93		87		87		107		117	
600-110402-C-1-B MS	20:31	83		80		80		103		112	
600-110402-C-1-C MSD	20:37	84		84		84		97		114	
CCV 560-115318/58	21:15	90		85		82		99		112	
CCB 560-115318/59	21:30	95		85		85		102		112	
600-110437-4	21:41	82		77		78		90		110	
600-110437-5	21:46	80		81		81		81		104	
600-110437-6	21:52	81		83		82		89		108	
600-110437-7	21:58	76		81		81		83		109	
600-110437-8	22:03	77		77		78		89		113	
CCV 560-115318/70	22:42	84		84		81		97		111	
CCB 560-115318/71	22:57	87		84		81		107		114	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/28/2015 End Date: 04/28/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In/1	Q	Element In/2	Q	Element In/3	Q	Element Tb	Q	Element Ho	Q
ICV 560-115318/2	13:50	91		87		93		93		100	
ICSA 560-115318/3	14:06	92		86		93		92			
ICSAB 560-115318/4	14:11	89		84		92		90		90	
ICB 560-115318/5	14:22	97		92		99		93		88	
CCV 560-115318/47	19:49	104		122		112					
CCB 560-115318/48	20:05	101		118		106					
MB 560-115257/1-A	20:10	97		113		112					
LCS 560-115257/2-A	20:15	100		115		106					
600-110402-C-1-B MS	20:31	92		104		99					
600-110402-C-1-C MSD	20:37	96		110		101					
CCV 560-115318/58	21:15	99		108		103					
CCB 560-115318/59	21:30	96		106		102					
600-110437-4	21:41	94		109		99				115	
600-110437-5	21:46	90		99		93		114		114	
600-110437-6	21:52	88		98		96		118		101	
600-110437-7	21:58	88		101		96					
600-110437-8	22:03	91		106		100					
CCV 560-115318/70	22:42	97		109		101					
CCB 560-115318/71	22:57	96		105		101		119		116	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/30/2015 End Date: 04/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Y-89	Q
ICV 560-115377/2	10:11	82		96		92		91		91	
ICSA 560-115377/3	10:28	82		98		93		92		95	
ICSAB 560-115377/4	10:33			92		88		84		88	
ICB 560-115377/5	10:43	74		94		91		87		94	
LCS 560-115257/2-A	11:26	76		81		82		87		98	
CCV 560-115377/13	12:03	74		84		84		88		99	
CCB 560-115377/14	12:23	77		85		86		88		97	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/30/2015 End Date: 04/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In/1	Q	Element In/2	Q	Element In/3	Q	Element Tb	Q	Element Ho	Q
ICV 560-115377/2	10:11	93		89		90		93		90	
ICSA 560-115377/3	10:28	93		86		92		95		93	
ICSAB 560-115377/4	10:33	91		85		88		90		88	
ICB 560-115377/5	10:43	100		98		94		93		91	
LCS 560-115257/2-A	11:26	96		106		94		99		101	
CCV 560-115377/13	12:03	98		103		97		100		101	
CCB 560-115377/14	12:23	99		104		97		96		98	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/30/2015 End Date: 04/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 560-115377/2	10:11	87									
ICSA 560-115377/3	10:28	89									
ICSAB 560-115377/4	10:33	85									
ICB 560-115377/5	10:43	93									
LCS 560-115257/2-A	11:26	100									
CCV 560-115377/13	12:03	101									
CCB 560-115377/14	12:23	103									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-110437-1

SDG No.: _____

Batch Number: 115257 Batch Start Date: 04/28/15 13:00 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 04/28/15 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ESI-spkA 00009	ESI-spkB 00007	
MB 560-115257/1		3010A, 6020		<2	50 mL	50 mL			
LCS 560-115257/2		3010A, 6020		<2	50 mL	50 mL	1 mL	1 mL	
600-110402-C-1 MS		3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	
600-110402-C-1 MSD		3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	
600-110437-A-4	ARTESIA-MW18-042 22015	3010A, 6020	D	<2	50 mL	50 mL			
600-110437-A-5	ARTESIA-MW21-042 22015	3010A, 6020	D	<2	50 mL	50 mL			
600-110437-A-6	ARTESIA-MW22-042 22015	3010A, 6020	D	<2	50 mL	50 mL			
600-110437-A-7	ARTESIA-DUP01-04 222015	3010A, 6020	D	<2	50 mL	50 mL			
600-110437-A-8	ARTESIA-MW25-042 22015	3010A, 6020	D	<2	50 mL	50 mL			

Batch Notes	
Lot # of hydrochloric acid	1225669
Lot # of Nitric Acid	1242396
Hot Block ID number	modblock2
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	172
ID number of the thermometer	t215
Digestion Tube/Cup Lot #	1408268
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica



Client Information		Lab Pk:	600-31448-10612.1
Client Contact:	Jeffrey Minchak	E-Mail:	jeffrey.minchak@testamerica.com
Company:	CH2M Hill, Inc.	Page:	1 of 1
Address:	4041 Jefferson Plaza NE Suite 200	Job #:	
City:	Albuquerque		
State, zip:	NM, 87109		
Phone:	281-721-8546 (Tel)		
Email:	Jeffrey.Minchak@ch2m.com		
Project Name:	Dowell - Artesia Groundwater		
Site:	Dowell - Artesia Groundwater		

Analysis Requested				Preservation Codes:	
Due Date Requested:				A - HCL	M - Hexane
TAT Requested (days):				B - NaOH	N - None
STP				C - Zn Acetate	O - AsNaO2
PO #:				D - Na2O2	P - Na2O2
WO #:				Total Number of Containers	
Project #:					
SOW#:					
Sample Identification	Sample Date	Sample Time	Sample Type (C-comp, G-grab)	Preservation Code:	
ARTESIA-MWTC-04222015	4/22/15	0847	G	Water	3
ARTESIA-MW2-04222015	4/22/15	0930	G	Water	3
TRIP BLANK	4/17/15	1230	G	Water	2
ARTESIA-MW2-04222015	4/22/15	1240	G	Water	4
ARTESIA-MW2J-04222015	4/22/15	1242	G	Water	4
ARTESIA-MW2-04222015	4/22/15	1425	G	Water	4
ARTESIA-DUPD-04222015	4/22/15	1620	G	Water	4
ARTESIA-MW2-04222015	4/22/15	1520	G	Water	4
			G	Water	
			G	Water	
			G	Water	

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☒ Non-Hazard	☐ Flammable	☒ Return To Client	☐ Disposal By Lab
☐ Deliverable Requested: I, II, III, IV, Other (specify)	☐ Skin Irritant	☐ Poison B	☐ Unknown
Empty Kit Relinquished by:		Special Instructions/QC Requirements:	
Relinquished by:	Date:	Method of Shipment:	
Relinquished by:	Date:	Archive For _____ Months	
Relinquished by:	Date:	Company:	
Relinquished by:	Date:	Company:	
Relinquished by:	Date:	Company:	
Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	
Δ Yes Δ No			

Sample Receipt Checklist

Loc: 600
110437

JOB NUMBER: _____ CLIENT: CH2M

UNPACKED BY: _____ CARRIER/DRIVER: Fed Ex

Custody Seal Present: ☒ YES ☐ NO Number of Coolers Received: 1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
<u>GB</u>	<u>Y / N</u>	<u>Y / N</u>	<u>0.1</u>	<u>549</u>	<u>-1</u>	<u>0.0</u>
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☒ YES ☐ NOLABORATORY PRESERVATION OF SAMPLES REQUIRED: ☒ NO ☐ YESBase samples are >pH 12: ☐ YES ☐ NOAcid preserved are <pH 2: ☒ YES ☐ NOpH paper Lot # AE432054VOA headspace acceptable (5-6mm): ☒ YES ☐ NO ☐ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	☒	☐

COMMENTS:

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Login Number: 110437

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110437-1

Login Number: 110437

List Number: 2

Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi

List Creation: 04/28/15 12:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 600-110504-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923
Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Manager I
5/20/2015 5:52 PM

Cathy L. Upton, Project Manager I
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
05/20/2015

cc: Rick Dobbins
Luke Hill
Jeffrey Minchak

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

TestAmerica Laboratories, Inc.

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CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-110504-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 04/24/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ARTESIA-MW26-04232015 (600-110504-1), ARTESIA-MW31-04232015 (600-110504-2), ARTESIA-MW34-04232015 (600-110504-3), ARTESIA-MW28-04232015 (600-110504-4), ARTESIA-DUP02-04232015 (600-110504-5), ARTESIA-MW32-04232015 (600-110504-6), TRIP BLANK (600-110504-7), ARTESIA-MW33-04232015 (600-110504-8), ARTESIA-MW29-04232015 (600-110504-9) and ARTESIA-MW30-04232015 (600-110504-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/30/2015.

2-Chloroethyl vinyl ether and Styrene failed the recovery criteria low for the MS of sample ARTESIA-MW34-04232015 MS (600-110504-3) in batch 600-161352.

Several analytes failed the recovery criteria low for the MSD of sample ARTESIA-MW34-04232015 MSD (600-110504-3) in batch 600-161352.

Sample matrix interference is suspected since the associated laboratory control sample (LCS) met acceptance criteria. Refer to the QC report for details.

Several analytes exceeded the RPD limit for the MSD of sample ARTESIA-MW34-04232015 MSD (600-110504-3) in batch 600-161352.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples ARTESIA-MW26-04232015 (600-110504-1), ARTESIA-MW31-04232015 (600-110504-2), ARTESIA-MW34-04232015 (600-110504-3), ARTESIA-MW28-04232015 (600-110504-4), ARTESIA-DUP02-04232015 (600-110504-5), ARTESIA-MW32-04232015 (600-110504-6), ARTESIA-MW29-04232015 (600-110504-9) and ARTESIA-MW30-04232015 (600-110504-10) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 04/28/2015 and analyzed on 04/30/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-110504-1	ARTESIA-MW26-04232015	Water	04/23/2015 0825	04/24/2015 0939
600-110504-2	ARTESIA-MW31-04232015	Water	04/23/2015 0840	04/24/2015 0939
600-110504-3	ARTESIA-MW34-04232015	Water	04/23/2015 1840	04/24/2015 0939
600-110504-3MS	ARTESIA-MW34-04232015 MS	Water	04/23/2015 1840	04/24/2015 0939
600-110504-3MSD	ARTESIA-MW34-04232015 MSD	Water	04/23/2015 1840	04/24/2015 0939
600-110504-4	ARTESIA-MW28-04232015	Water	04/23/2015 1930	04/24/2015 0939
600-110504-5	ARTESIA-DUP02-04232015	Water	04/23/2015 1615	04/24/2015 0939
600-110504-6	ARTESIA-MW32-04232015	Water	04/23/2015 1015	04/24/2015 0939
600-110504-7	TRIP BLANK	Water	04/23/2015 1230	04/24/2015 0939
600-110504-8	ARTESIA-MW33-04232015	Water	04/23/2015 1111	04/24/2015 0939
600-110504-9	ARTESIA-MW29-04232015	Water	04/23/2015 1240	04/24/2015 0939
600-110504-10	ARTESIA-MW30-04232015	Water	04/23/2015 1337	04/24/2015 0939

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-110504-1 ARTESIA-MW26-04232015						
1,1-Dichloroethane		0.271	J	1.00	ug/L	8260B
1,1-Dichloroethene		1.88		1.00	ug/L	8260B
Tetrachloroethene		1.04		1.00	ug/L	8260B
Trichloroethene		0.558	J	1.00	ug/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.0153	J	0.0500	mg/L	6020
600-110504-3 ARTESIA-MW34-04232015						
1,1-Dichloroethane		1.85		1.00	ug/L	8260B
1,1-Dichloroethene		3.73		1.00	ug/L	8260B
Tetrachloroethene		2.91		1.00	ug/L	8260B
Trichloroethene		0.962	J	1.00	ug/L	8260B
600-110504-4 ARTESIA-MW28-04232015						
cis-1,2-Dichloroethene		0.428	J	1.00	ug/L	8260B
1,1-Dichloroethane		6.79		1.00	ug/L	8260B
1,2-Dichloroethane		0.182	J	1.00	ug/L	8260B
1,1-Dichloroethene		21.6		1.00	ug/L	8260B
Methyl tert-butyl ether		0.665	J	1.00	ug/L	8260B
Tetrachloroethene		18.8		1.00	ug/L	8260B
Trichloroethene		6.72		1.00	ug/L	8260B
600-110504-5 ARTESIA-DUP02-04232015						
1,1-Dichloroethane		5.09		1.00	ug/L	8260B
1,2-Dichloroethane		0.163	J	1.00	ug/L	8260B
1,1-Dichloroethene		15.0		1.00	ug/L	8260B
Tetrachloroethene		18.1		1.00	ug/L	8260B
Trichloroethene		4.42		1.00	ug/L	8260B
600-110504-6 ARTESIA-MW32-04232015						
1,1-Dichloroethane		0.414	J	1.00	ug/L	8260B
1,1-Dichloroethene		1.50		1.00	ug/L	8260B
Tetrachloroethene		1.97		1.00	ug/L	8260B
Trichloroethene		0.579	J	1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-110504-9 ARTESIA-MW29-04232015						
cis-1,2-Dichloroethene		0.476	J	1.00	ug/L	8260B
1,1-Dichloroethane		4.77		1.00	ug/L	8260B
1,1-Dichloroethene		16.2		1.00	ug/L	8260B
Methyl tert-butyl ether		1.36		1.00	ug/L	8260B
Tetrachloroethene		10.3		1.00	ug/L	8260B
Trichloroethene		5.27		1.00	ug/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.0222	J	0.0500	mg/L	6020
600-110504-10 ARTESIA-MW30-04232015						
1,1-Dichloroethane		5.20		1.00	ug/L	8260B
1,2-Dichloroethane		0.183	J	1.00	ug/L	8260B
1,1-Dichloroethene		14.7		1.00	ug/L	8260B
Tetrachloroethene		16.9		1.00	ug/L	8260B
Trichloroethene		4.18		1.00	ug/L	8260B

METHOD SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Total Metals	TAL CC		SW846 3010A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Method	Analyst	Analyst ID
SW846 8260B	Shen, Wei	WS1
SW846 6020	Mathewson, John E	JEM

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW26-04232015

Lab Sample ID: 600-110504-1

Date Sampled: 04/23/2015 0825

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12016.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1658

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1658

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.271	J	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	1.88		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW26-04232015

Lab Sample ID: 600-110504-1

Date Sampled: 04/23/2015 0825

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12016.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1658			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1658				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	1.04		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.558	J	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		67 - 139
Dibromofluoromethane	107		62 - 130
1,2-Dichloroethane-d4 (Surr)	91		50 - 134
Toluene-d8 (Surr)	84		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW31-04232015

Lab Sample ID: 600-110504-2

Date Sampled: 04/23/2015 0840

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12017.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1722

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1722

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.192	U	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW31-04232015

Lab Sample ID: 600-110504-2

Date Sampled: 04/23/2015 0840

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12017.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1722			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1722				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.138	U	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	84		67 - 139
Dibromofluoromethane	108		62 - 130
1,2-Dichloroethane-d4 (Surr)	94		50 - 134
Toluene-d8 (Surr)	84		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW34-04232015

Lab Sample ID: 600-110504-3

Date Sampled: 04/23/2015 1840

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12005.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1223

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1223

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U F2	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U F2 F1	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U F1	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U F2	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U F2	0.859	1.00
1,1-Dichloroethane	1.85		0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	3.73		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U F1	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW34-04232015

Lab Sample ID: 600-110504-3

Date Sampled: 04/23/2015 1840

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12005.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1223			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	2.91		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.962	J	0.138	1.00
Trichlorofluoromethane	0.244	U F2 F1	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U F2 F1	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		67 - 139
Dibromofluoromethane	97		62 - 130
1,2-Dichloroethane-d4 (Surr)	76		50 - 134
Toluene-d8 (Surr)	89		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW28-04232015

Lab Sample ID: 600-110504-4

Date Sampled: 04/23/2015 1930

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12006.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1247

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1247

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.428	J	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	6.79		0.168	1.00
1,2-Dichloroethane	0.182	J	0.116	1.00
1,1-Dichloroethene	21.6		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.665	J	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW28-04232015

Lab Sample ID: 600-110504-4

Date Sampled: 04/23/2015 1930

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12006.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1247			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1247				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	18.8		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	6.72		0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		67 - 139
Dibromofluoromethane	101		62 - 130
1,2-Dichloroethane-d4 (Surr)	80		50 - 134
Toluene-d8 (Surr)	86		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-DUP02-04232015

Lab Sample ID: 600-110504-5

Date Sampled: 04/23/2015 1615

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12007.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1311

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1311

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	5.09		0.168	1.00
1,2-Dichloroethane	0.163	J	0.116	1.00
1,1-Dichloroethene	15.0		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-DUP02-04232015

Lab Sample ID: 600-110504-5

Date Sampled: 04/23/2015 1615

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12007.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1311			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1311				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	18.1		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	4.42		0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		67 - 139
Dibromofluoromethane	99		62 - 130
1,2-Dichloroethane-d4 (Surr)	81		50 - 134
Toluene-d8 (Surr)	85		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW32-04232015

Lab Sample ID: 600-110504-6

Date Sampled: 04/23/2015 1015

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12008.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1347

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1347

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.414	J	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	1.50		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW32-04232015

Lab Sample ID: 600-110504-6

Date Sampled: 04/23/2015 1015

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12008.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1347			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1347				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	1.97		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.579	J	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		67 - 139
Dibromofluoromethane	100		62 - 130
1,2-Dichloroethane-d4 (Surr)	77		50 - 134
Toluene-d8 (Surr)	89		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-110504-7

Date Sampled: 04/23/2015 1230

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12012.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1522

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1522

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.192	U	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-110504-7

Client Matrix: Water

Date Sampled: 04/23/2015 1230

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12012.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1522

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1522

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.138	U	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		67 - 139
Dibromofluoromethane	99		62 - 130
1,2-Dichloroethane-d4 (Surr)	81		50 - 134
Toluene-d8 (Surr)	86		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW33-04232015

Lab Sample ID: 600-110504-8

Date Sampled: 04/23/2015 1111

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12013.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1546

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1546

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.192	U	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW33-04232015

Lab Sample ID: 600-110504-8

Date Sampled: 04/23/2015 1111

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12013.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1546			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1546				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.138	U	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	85		67 - 139
Dibromofluoromethane	101		62 - 130
1,2-Dichloroethane-d4 (Surr)	87		50 - 134
Toluene-d8 (Surr)	82		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW29-04232015

Lab Sample ID: 600-110504-9

Date Sampled: 04/23/2015 1240

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-161352

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A12014.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 04/30/2015 1610

Final Weight/Volume: 20 mL

Prep Date: 04/30/2015 1610

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.476	J	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	4.77		0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	16.2		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	1.36		0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW29-04232015

Lab Sample ID: 600-110504-9

Date Sampled: 04/23/2015 1240

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12014.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1610			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1610				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	10.3		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	5.27		0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	89		50 - 134
Toluene-d8 (Surr)	85		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW30-04232015

Lab Sample ID: 600-110504-10

Date Sampled: 04/23/2015 1337

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12015.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1634			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1634				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	5.20		0.168	1.00
1,2-Dichloroethane	0.183	J	0.116	1.00
1,1-Dichloroethene	14.7		0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00
tert-Butylbenzene	0.216	U	0.216	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW30-04232015

Lab Sample ID: 600-110504-10

Date Sampled: 04/23/2015 1337

Client Matrix: Water

Date Received: 04/24/2015 0939

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-161352	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A12015.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/30/2015 1634			Final Weight/Volume:	20 mL
Prep Date:	04/30/2015 1634				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	16.9		0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	4.18		0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	86		67 - 139
Dibromofluoromethane	105		62 - 130
1,2-Dichloroethane-d4 (Surr)	87		50 - 134
Toluene-d8 (Surr)	83		70 - 130

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW26-04232015

Lab Sample ID: 600-110504-1

Date Sampled: 04/23/2015 0825

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 038SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1747

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0153	J	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW31-04232015

Lab Sample ID: 600-110504-2

Date Sampled: 04/23/2015 0840

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 039SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1753

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW34-04232015

Lab Sample ID: 600-110504-3

Date Sampled: 04/23/2015 1840

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 034SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1725

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW28-04232015

Lab Sample ID: 600-110504-4

Date Sampled: 04/23/2015 1930

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 040SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1759

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-DUP02-04232015

Lab Sample ID: 600-110504-5

Date Sampled: 04/23/2015 1615

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 041SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1804

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW32-04232015

Lab Sample ID: 600-110504-6

Date Sampled: 04/23/2015 1015

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 042SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1810

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW29-04232015

Lab Sample ID: 600-110504-9

Date Sampled: 04/23/2015 1240

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 049SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1847

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0222	J	0.0116	0.0500

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Client Sample ID: ARTESIA-MW30-04232015

Lab Sample ID: 600-110504-10

Date Sampled: 04/23/2015 1337

Client Matrix: Water

Date Received: 04/24/2015 0939

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-115390

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-115258

Lab File ID: 050SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 04/30/2015 1853

Final Weight/Volume: 50 mL

Prep Date: 04/28/2015 1330

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-110504-1	ARTESIA-MW26-042 32015	107	91	84	87
600-110504-2	ARTESIA-MW31-042 32015	108	94	84	84
600-110504-3	ARTESIA-MW34-042 32015	97	76	89	89
600-110504-4	ARTESIA-MW28-042 32015	101	80	86	87
600-110504-5	ARTESIA-DUP02-042 32015	99	81	85	87
600-110504-6	ARTESIA-MW32-042 32015	100	77	89	89
600-110504-7	TRIP BLANK	99	81	86	89
600-110504-8	ARTESIA-MW33-042 32015	101	87	82	85
600-110504-9	ARTESIA-MW29-042 32015	102	89	85	89
600-110504-10	ARTESIA-MW30-042 32015	105	87	83	86
MB 600-161352/5		99	78	87	88
LCS 600-161352/3		100	71	90	89
600-110504-3 MS	ARTESIA-MW34-042 32015 MS MS	106	82	84	86
600-110504-3 MSD	ARTESIA-MW34-042 32015 MSD MSD	105	82	85	84

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Method Blank - Batch: 600-161352

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-161352/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/30/2015 1156
 Prep Date: 04/30/2015 1156
 Leach Date: N/A

Analysis Batch: 600-161352
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS07
 Lab File ID: A12004.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.176	U	0.176	1.00
Bromobenzene	0.195	U	0.195	1.00
Bromochloromethane	0.162	U	0.162	1.00
Bromodichloromethane	0.153	U	0.153	1.00
Bromoform	0.151	U	0.151	1.00
Bromomethane	0.250	U	0.250	2.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Carbon tetrachloride	0.183	U	0.183	1.00
Chlorobenzene	0.185	U	0.185	1.00
Chlorodibromomethane	0.119	U	0.119	1.00
Chloroethane	0.240	U	0.240	2.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
Chloroform	0.151	U	0.151	1.00
Chloromethane	0.209	U	0.209	2.00
2-Chlorotoluene	0.226	U	0.226	1.00
4-Chlorotoluene	0.210	U	0.210	1.00
cis-1,2-Dichloroethene	0.157	U	0.157	1.00
cis-1,3-Dichloropropene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
Dibromomethane	0.520	U	0.520	1.00
1,2-Dichlorobenzene	0.153	U	0.153	1.00
1,3-Dichlorobenzene	0.210	U	0.210	1.00
1,4-Dichlorobenzene	0.176	U	0.176	1.00
Dichlorodifluoromethane	0.859	U	0.859	1.00
1,1-Dichloroethane	0.168	U	0.168	1.00
1,2-Dichloroethane	0.116	U	0.116	1.00
1,1-Dichloroethene	0.192	U	0.192	1.00
1,2-Dichloropropane	0.136	U	0.136	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
2,2-Dichloropropane	0.258	U	0.258	1.00
1,1-Dichloropropene	0.191	U	0.191	1.00
Ethylbenzene	0.212	U	0.212	1.00
Ethylene Dibromide	0.111	U	0.111	1.00
Hexachlorobutadiene	0.215	U	0.215	1.00
Isopropylbenzene	0.241	U	0.241	1.00
Methylene Chloride	0.176	U	0.176	5.00
Methyl tert-butyl ether	0.105	U	0.105	1.00
m-Xylene & p-Xylene	0.205	U	0.205	1.00
Naphthalene	0.129	U	0.129	2.00
n-Butylbenzene	0.212	U	0.212	1.00
N-Propylbenzene	0.230	U	0.230	1.00
o-Xylene	0.192	U	0.192	1.00
p-Isopropyltoluene	0.228	U	0.228	1.00
sec-Butylbenzene	0.224	U	0.224	1.00
Styrene	0.175	U	0.175	1.00

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Method Blank - Batch: 600-161352

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-161352/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/30/2015 1156
 Prep Date: 04/30/2015 1156
 Leach Date: N/A

Analysis Batch: 600-161352
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS07
 Lab File ID: A12004.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.216	U	0.216	1.00
1,1,1,2-Tetrachloroethane	0.178	U	0.178	1.00
1,1,2,2-Tetrachloroethane	0.197	U	0.197	1.00
Tetrachloroethene	0.514	U	0.514	1.00
Toluene	0.198	U	0.198	1.00
trans-1,2-Dichloroethene	0.192	U	0.192	1.00
trans-1,3-Dichloropropene	0.137	U	0.137	1.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
1,2,4-Trichlorobenzene	0.177	U	0.177	1.00
1,1,1-Trichloroethane	0.209	U	0.209	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Trichloroethene	0.138	U	0.138	1.00
Trichlorofluoromethane	0.244	U	0.244	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,2,4-Trimethylbenzene	0.215	U	0.215	1.00
1,3,5-Trimethylbenzene	0.210	U	0.210	1.00
Vinyl chloride	0.248	U	0.248	2.00
Xylenes, Total	0.366	U	0.366	2.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	67 - 139
Dibromofluoromethane	99	62 - 130
1,2-Dichloroethane-d4 (Surr)	78	50 - 134
Toluene-d8 (Surr)	87	70 - 130

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Lab Control Sample - Batch: 600-161352

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 600-161352/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1108
Prep Date: 04/30/2015 1108
Leach Date: N/A

Analysis Batch: 600-161352
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CHVOAMS07
Lab File ID: A12002A.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	8.728	87	70 - 130	
Bromobenzene	10.0	9.421	94	70 - 130	
Bromochloromethane	10.0	9.985	100	58 - 130	
Bromodichloromethane	10.0	9.016	90	70 - 131	
Bromoform	10.0	8.915	89	54 - 133	
Bromomethane	10.0	10.39	104	25 - 150	
2-Butanone (MEK)	20.0	17.93	90	41 - 141	
Carbon tetrachloride	10.0	8.750	87	70 - 144	
Chlorobenzene	10.0	8.973	90	69 - 130	
Chlorodibromomethane	10.0	8.979	90	62 - 130	
Chloroethane	10.0	10.98	110	47 - 150	
2-Chloroethyl vinyl ether	20.0	19.15	96	10 - 150	
Chloroform	10.0	8.298	83	70 - 130	
Chloromethane	10.0	10.76	108	10 - 150	
2-Chlorotoluene	10.0	9.367	94	65 - 130	
4-Chlorotoluene	10.0	9.071	91	70 - 130	
cis-1,2-Dichloroethene	10.0	9.521	95	68 - 130	
cis-1,3-Dichloropropene	10.0	8.836	88	57 - 130	
1,2-Dibromo-3-Chloropropane	10.0	9.360	94	41 - 142	
Dibromomethane	10.0	8.737	87	70 - 130	
1,2-Dichlorobenzene	10.0	8.611	86	70 - 130	
1,3-Dichlorobenzene	10.0	8.517	85	70 - 130	
1,4-Dichlorobenzene	10.0	8.098	81	70 - 130	
Dichlorodifluoromethane	10.0	7.661	77	10 - 150	
1,1-Dichloroethane	10.0	8.716	87	70 - 140	
1,2-Dichloroethane	10.0	7.968	80	67 - 134	
1,1-Dichloroethene	10.0	9.291	93	58 - 148	
1,2-Dichloropropane	10.0	8.836	88	70 - 130	
1,3-Dichloropropane	10.0	8.584	86	70 - 130	
2,2-Dichloropropane	10.0	8.426	84	64 - 149	
1,1-Dichloropropene	10.0	9.556	96	70 - 137	
Ethylbenzene	10.0	9.529	95	70 - 130	
Ethylene Dibromide	10.0	9.736	97	67 - 130	
Hexachlorobutadiene	10.0	7.497	75	55 - 150	
Isopropylbenzene	10.0	9.556	96	65 - 132	
Methylene Chloride	10.0	10.22	102	55 - 147	
Methyl tert-butyl ether	10.0	10.18	102	56 - 132	
m-Xylene & p-Xylene	10.0	9.299	93	70 - 130	
Naphthalene	10.0	10.22	102	10 - 150	
n-Butylbenzene	10.0	7.807	78	70 - 130	
N-Propylbenzene	10.0	9.414	94	69 - 130	
o-Xylene	10.0	9.479	95	70 - 130	
p-Isopropyltoluene	10.0	8.011	80	70 - 130	
sec-Butylbenzene	10.0	8.424	84	68 - 130	
Styrene	10.0	8.614	86	70 - 130	
tert-Butylbenzene	10.0	8.898	89	70 - 130	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Lab Control Sample - Batch: 600-161352

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 600-161352/3
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/30/2015 1108
 Prep Date: 04/30/2015 1108
 Leach Date: N/A

Analysis Batch: 600-161352
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS07
 Lab File ID: A12002A.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	8.839	88	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.12	111	58 - 133	
Tetrachloroethene	10.0	8.796	88	47 - 150	
Toluene	10.0	9.090	91	70 - 130	
trans-1,2-Dichloroethene	10.0	9.681	97	68 - 131	
trans-1,3-Dichloropropene	10.0	9.205	92	60 - 130	
1,2,3-Trichlorobenzene	10.0	7.843	78	10 - 150	
1,2,4-Trichlorobenzene	10.0	7.313	73	46 - 150	
1,1,1-Trichloroethane	10.0	8.598	86	70 - 136	
1,1,2-Trichloroethane	10.0	9.435	94	70 - 130	
Trichloroethene	10.0	9.443	94	70 - 130	
Trichlorofluoromethane	10.0	9.157	92	43 - 150	
1,2,3-Trichloropropane	10.0	10.38	104	48 - 136	
1,2,4-Trimethylbenzene	10.0	8.814	88	70 - 130	
1,3,5-Trimethylbenzene	10.0	8.646	86	69 - 130	
Vinyl chloride	10.0	9.226	92	33 - 150	
Xylenes, Total	20.0	18.78	94	70 - 130	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	89		67 - 139		
Dibromofluoromethane	100		62 - 130		
1,2-Dichloroethane-d4 (Surr)	71		50 - 134		
Toluene-d8 (Surr)	90		70 - 130		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-161352

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1410
Prep Date: 04/30/2015 1410
Leach Date: N/A

Analysis Batch: 600-161352
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A12009.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1434
Prep Date: 04/30/2015 1434
Leach Date: N/A

Analysis Batch: 600-161352
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A12010.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	94	89	70 - 130	5	30		
Bromobenzene	95	91	70 - 130	4	30		
Bromochloromethane	113	107	58 - 130	5	30		
Bromodichloromethane	105	103	70 - 131	2	30		
Bromoform	92	87	54 - 133	5	30		
Bromomethane	92	59	25 - 150	44	30		F2
2-Butanone (MEK)	100	94	41 - 141	6	30		
Carbon tetrachloride	95	93	70 - 144	2	30		
Chlorobenzene	93	91	69 - 130	2	30		
Chlorodibromomethane	102	101	62 - 130	1	30		
Chloroethane	98	23	47 - 150	122	30		F1 F2
2-Chloroethyl vinyl ether	0	0	10 - 150	NC	30	U F1	U F1
Chloroform	93	89	70 - 130	4	30		
Chloromethane	95	48	10 - 150	65	30		F2
2-Chlorotoluene	91	87	70 - 130	5	30		
4-Chlorotoluene	91	85	70 - 130	7	30		
cis-1,2-Dichloroethene	105	101	68 - 130	4	30		
cis-1,3-Dichloropropene	94	93	57 - 130	1	30		
1,2-Dibromo-3-Chloropropane	113	98	41 - 142	14	30		
Dibromomethane	106	104	70 - 130	3	30		
1,2-Dichlorobenzene	89	85	70 - 130	4	30		
1,3-Dichlorobenzene	85	81	70 - 130	5	30		
1,4-Dichlorobenzene	81	78	70 - 130	4	30		
Dichlorodifluoromethane	77	44	10 - 150	53	30		F2
1,1-Dichloroethane	90	86	70 - 140	4	30		
1,2-Dichloroethane	96	94	67 - 134	3	30		
1,1-Dichloroethene	93	89	58 - 148	3	30		
1,2-Dichloropropane	97	95	70 - 130	3	30		
1,3-Dichloropropane	97	96	70 - 130	1	30		
2,2-Dichloropropane	90	86	64 - 149	5	30		
1,1-Dichloropropene	100	97	70 - 137	4	30		
Ethylbenzene	96	95	70 - 130	2	30		
Ethylene Dibromide	106	109	67 - 130	3	30		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-161352

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1410
Prep Date: 04/30/2015 1410
Leach Date: N/A

Analysis Batch: 600-161352
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A12009.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1434
Prep Date: 04/30/2015 1434
Leach Date: N/A

Analysis Batch: 600-161352
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A12010.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Hexachlorobutadiene	79	68	55 - 150	15	30		
Isopropylbenzene	91	86	65 - 132	6	30		
Methylene Chloride	109	106	55 - 147	2	30		
Methyl tert-butyl ether	118	118	56 - 132	0	30		
m-Xylene & p-Xylene	96	93	70 - 130	3	30		
Naphthalene	115	108	10 - 150	6	30		
n-Butylbenzene	76	71	70 - 130	6	30		
N-Propylbenzene	91	84	69 - 130	8	30		
o-Xylene	97	95	70 - 130	2	30		
p-Isopropyltoluene	77	72	70 - 130	6	30		
sec-Butylbenzene	80	75	68 - 130	7	30		
Styrene	0	0	70 - 130	NC	30	U F1	U F1
tert-Butylbenzene	86	80	70 - 130	8	30		
1,1,1,2-Tetrachloroethane	97	96	70 - 130	1	30		
1,1,2,2-Tetrachloroethane	119	108	58 - 133	10	30		
Tetrachloroethene	85	84	47 - 150	0	30		
Toluene	92	90	70 - 130	1	30		
trans-1,2-Dichloroethene	99	95	68 - 131	4	30		
trans-1,3-Dichloropropene	99	98	60 - 130	0	30		
1,2,3-Trichlorobenzene	85	81	10 - 150	4	30		
1,2,4-Trichlorobenzene	72	70	46 - 150	3	30		
1,1,1-Trichloroethane	94	90	70 - 136	4	30		
1,1,2-Trichloroethane	105	99	70 - 130	5	30		
Trichloroethene	101	99	70 - 130	3	30		
Trichlorofluoromethane	86	22	43 - 150	120	30		F1 F2
1,2,3-Trichloropropane	110	104	48 - 136	6	30		
1,2,4-Trimethylbenzene	88	83	70 - 130	6	30		
1,3,5-Trimethylbenzene	85	80	69 - 130	7	30		
Vinyl chloride	82	20	33 - 150	122	30		J F1 F2
Xylenes, Total	96	94	70 - 130	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	86	84	67 - 139
Dibromofluoromethane	106	105	62 - 130

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	82	50 - 134
Toluene-d8 (Surr)	84	85	70 - 130

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-161352**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 600-110504-3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1410
Prep Date: 04/30/2015 1410
Leach Date: N/A

MSD Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1434
Prep Date: 04/30/2015 1434
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Benzene	0.176	U	10.0	10.0	9.413	8.942	
Bromobenzene	0.195	U	10.0	10.0	9.472	9.098	
Bromochloromethane	0.162	U	10.0	10.0	11.26	10.74	
Bromodichloromethane	0.153	U	10.0	10.0	10.52	10.31	
Bromoform	0.151	U	10.0	10.0	9.168	8.746	
Bromomethane	0.250	U	10.0	10.0	9.242	5.920	F2
2-Butanone (MEK)	0.760	U	20.0	20.0	19.90	18.83	
Carbon tetrachloride	0.183	U	10.0	10.0	9.524	9.322	
Chlorobenzene	0.185	U	10.0	10.0	9.302	9.113	
Chlorodibromomethane	0.119	U	10.0	10.0	10.19	10.06	
Chloroethane	0.240	U	10.0	10.0	9.750	2.347	F1 F2
2-Chloroethyl vinyl ether	0.500	U	20.0	20.0	0.500	0.500	U F1
Chloroform	0.151	U	10.0	10.0	9.287	8.943	
Chloromethane	0.209	U	10.0	10.0	9.515	4.846	F2
2-Chlorotoluene	0.226	U	10.0	10.0	9.099	8.650	
4-Chlorotoluene	0.210	U	10.0	10.0	9.097	8.492	
cis-1,2-Dichloroethene	0.157	U	10.0	10.0	10.50	10.06	
cis-1,3-Dichloropropene	0.160	U	10.0	10.0	9.400	9.281	
1,2-Dibromo-3-Chloropropane	0.810	U	10.0	10.0	11.27	9.830	
Dibromomethane	0.520	U	10.0	10.0	10.63	10.35	
1,2-Dichlorobenzene	0.153	U	10.0	10.0	8.882	8.493	
1,3-Dichlorobenzene	0.210	U	10.0	10.0	8.496	8.052	
1,4-Dichlorobenzene	0.176	U	10.0	10.0	8.132	7.783	
Dichlorodifluoromethane	0.859	U	10.0	10.0	7.656	4.443	F2
1,1-Dichloroethane	1.85		10.0	10.0	10.87	10.49	
1,2-Dichloroethane	0.116	U	10.0	10.0	9.642	9.354	
1,1-Dichloroethene	3.73		10.0	10.0	13.08	12.63	
1,2-Dichloropropane	0.136	U	10.0	10.0	9.710	9.451	
1,3-Dichloropropane	0.220	U	10.0	10.0	9.724	9.584	
2,2-Dichloropropane	0.258	U	10.0	10.0	9.029	8.560	
1,1-Dichloropropene	0.191	U	10.0	10.0	10.02	9.674	
Ethylbenzene	0.212	U	10.0	10.0	9.646	9.500	
Ethylene Dibromide	0.111	U	10.0	10.0	10.56	10.87	
Hexachlorobutadiene	0.215	U	10.0	10.0	7.883	6.797	
Isopropylbenzene	0.241	U	10.0	10.0	9.145	8.609	
Methylene Chloride	0.176	U	10.0	10.0	10.87	10.61	
Methyl tert-butyl ether	0.105	U	10.0	10.0	11.83	11.77	
m-Xylene & p-Xylene	0.205	U	10.0	10.0	9.591	9.321	
Naphthalene	0.129	U	10.0	10.0	11.48	10.78	
n-Butylbenzene	0.212	U	10.0	10.0	7.572	7.111	
N-Propylbenzene	0.230	U	10.0	10.0	9.084	8.367	
o-Xylene	0.192	U	10.0	10.0	9.684	9.471	
p-Isopropyltoluene	0.228	U	10.0	10.0	7.655	7.187	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-161352**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 600-110504-3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1410
Prep Date: 04/30/2015 1410
Leach Date: N/A

MSD Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1434
Prep Date: 04/30/2015 1434
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
sec-Butylbenzene	0.224	U	10.0	10.0	8.044	7.518
Styrene	0.175	U	10.0	10.0	0.175	0.175
tert-Butylbenzene	0.216	U	10.0	10.0	8.612	7.976
1,1,1,2-Tetrachloroethane	0.178	U	10.0	10.0	9.686	9.587
1,1,2,2-Tetrachloroethane	0.197	U	10.0	10.0	11.88	10.80
Tetrachloroethene	2.91		10.0	10.0	11.38	11.36
Toluene	0.198	U	10.0	10.0	9.157	9.037
trans-1,2-Dichloroethene	0.192	U	10.0	10.0	9.913	9.521
trans-1,3-Dichloropropene	0.137	U	10.0	10.0	9.882	9.836
1,2,3-Trichlorobenzene	0.570	U	10.0	10.0	8.452	8.148
1,2,4-Trichlorobenzene	0.177	U	10.0	10.0	7.190	6.959
1,1,1-Trichloroethane	0.209	U	10.0	10.0	9.374	8.989
1,1,2-Trichloroethane	0.280	U	10.0	10.0	10.47	9.946
Trichloroethene	0.962	J	10.0	10.0	11.09	10.82
Trichlorofluoromethane	0.244	U	10.0	10.0	8.629	2.172
1,2,3-Trichloropropane	0.290	U	10.0	10.0	11.01	10.37
1,2,4-Trimethylbenzene	0.215	U	10.0	10.0	8.778	8.303
1,3,5-Trimethylbenzene	0.210	U	10.0	10.0	8.500	7.962
Vinyl chloride	0.248	U	10.0	10.0	8.198	1.982
Xylenes, Total	0.366	U	20.0	20.0	19.28	18.79

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Method Blank - Batch: 560-115258

Method: 6020
Preparation: 3010A

Lab Sample ID:	MB 560-115258/1-A	Analysis Batch:	560-115390	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115258	Lab File ID:	025SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/30/2015 1638	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Lab Control Sample - Batch: 560-115258

Method: 6020
Preparation: 3010A

Lab Sample ID:	LCS 560-115258/2-A	Analysis Batch:	560-115390	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115258	Lab File ID:	026SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/30/2015 1643	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Manganese, Dissolved	5.00	5.145	103	80 - 120	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-115258

Method: 6020
Preparation: 3010A
Dissolved

MS Lab Sample ID:	600-110504-3	Analysis Batch:	560-115390	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115258	Lab File ID:	035SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/30/2015 1730			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1330				
Leach Date:	N/A				

MSD Lab Sample ID:	600-110504-3	Analysis Batch:	560-115390	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-115258	Lab File ID:	036SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/30/2015 1736			Final Weight/Volume:	50 mL
Prep Date:	04/28/2015 1330				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Manganese, Dissolved	100	103	80 - 120	3	20		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-115258

Method: 6020
Preparation: 3010A
Dissolved

MS Lab Sample ID: 600-110504-3 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1730
Prep Date: 04/28/2015 1330
Leach Date: N/A

MSD Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/30/2015 1736
Prep Date: 04/28/2015 1330
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Manganese, Dissolved	0.0116 U	5.00	5.00	4.998	5.125

Serial Dilution - Batch: 560-115258

Method: 6020
Preparation: 3010A
Dissolved

Lab Sample ID: 600-110504-3
Client Matrix: Water
Dilution: 5.0
Analysis Date: 04/30/2015 1742
Prep Date: 04/28/2015 1330
Leach Date: N/A

Analysis Batch: 560-115390
Prep Batch: 560-115258
Leach Batch: N/A
Units: mg/L

Instrument ID: Micpms
Lab File ID: 037SMPL.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Manganese, Dissolved	0.0116 U	0.0580	NC	10	U

DATA REPORTING QUALIFIERS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-161352					
LCS 600-161352/3	Lab Control Sample	T	Water	8260B	
MB 600-161352/5	Method Blank	T	Water	8260B	
600-110504-1	ARTESIA-MW26-04232015	T	Water	8260B	
600-110504-2	ARTESIA-MW31-04232015	T	Water	8260B	
600-110504-3	ARTESIA-MW34-04232015	T	Water	8260B	
600-110504-3MS	Matrix Spike	T	Water	8260B	
600-110504-3MSD	Matrix Spike Duplicate	T	Water	8260B	
600-110504-4	ARTESIA-MW28-04232015	T	Water	8260B	
600-110504-5	ARTESIA-DUP02-04232015	T	Water	8260B	
600-110504-6	ARTESIA-MW32-04232015	T	Water	8260B	
600-110504-7	TRIP BLANK	T	Water	8260B	
600-110504-8	ARTESIA-MW33-04232015	T	Water	8260B	
600-110504-9	ARTESIA-MW29-04232015	T	Water	8260B	
600-110504-10	ARTESIA-MW30-04232015	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-115258					
LCS 560-115258/2-A	Lab Control Sample	T	Water	3010A	
MB 560-115258/1-A	Method Blank	T	Water	3010A	
600-110504-1	ARTESIA-MW26-04232015	D	Water	3010A	
600-110504-2	ARTESIA-MW31-04232015	D	Water	3010A	
600-110504-3	ARTESIA-MW34-04232015	D	Water	3010A	
600-110504-3MS	Matrix Spike	D	Water	3010A	
600-110504-3MSD	Matrix Spike Duplicate	D	Water	3010A	
600-110504-4	ARTESIA-MW28-04232015	D	Water	3010A	
600-110504-5	ARTESIA-DUP02-04232015	D	Water	3010A	
600-110504-6	ARTESIA-MW32-04232015	D	Water	3010A	
600-110504-9	ARTESIA-MW29-04232015	D	Water	3010A	
600-110504-10	ARTESIA-MW30-04232015	D	Water	3010A	
Analysis Batch: 560-115390					
LCS 560-115258/2-A	Lab Control Sample	T	Water	6020	560-115258
MB 560-115258/1-A	Method Blank	T	Water	6020	560-115258
600-110504-1	ARTESIA-MW26-04232015	D	Water	6020	560-115258
600-110504-2	ARTESIA-MW31-04232015	D	Water	6020	560-115258
600-110504-3	ARTESIA-MW34-04232015	D	Water	6020	560-115258
600-110504-3MS	Matrix Spike	D	Water	6020	560-115258
600-110504-3MSD	Matrix Spike Duplicate	D	Water	6020	560-115258
600-110504-4	ARTESIA-MW28-04232015	D	Water	6020	560-115258
600-110504-5	ARTESIA-DUP02-04232015	D	Water	6020	560-115258
600-110504-6	ARTESIA-MW32-04232015	D	Water	6020	560-115258
600-110504-9	ARTESIA-MW29-04232015	D	Water	6020	560-115258
600-110504-10	ARTESIA-MW30-04232015	D	Water	6020	560-115258

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Laboratory Chronicle

Lab ID: 600-110504-1

Client ID: ARTESIA-MW26-04232015

Sample Date/Time: 04/23/2015 08:25 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-A-1		600-161352		04/30/2015 16:58	1	TAL HOU	WS1
A:8260B	600-110504-A-1		600-161352		04/30/2015 16:58	1	TAL HOU	WS1
P:3010A	600-110504-D-1-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-1-A		560-115390	560-115258	04/30/2015 17:47	1	TAL CC	JEM

Lab ID: 600-110504-2

Client ID: ARTESIA-MW31-04232015

Sample Date/Time: 04/23/2015 08:40 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-A-2		600-161352		04/30/2015 17:22	1	TAL HOU	WS1
A:8260B	600-110504-A-2		600-161352		04/30/2015 17:22	1	TAL HOU	WS1
P:3010A	600-110504-D-2-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-2-A		560-115390	560-115258	04/30/2015 17:53	1	TAL CC	JEM

Lab ID: 600-110504-3

Client ID: ARTESIA-MW34-04232015

Sample Date/Time: 04/23/2015 18:40 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-A-3		600-161352		04/30/2015 12:23	1	TAL HOU	WS1
A:8260B	600-110504-A-3		600-161352		04/30/2015 12:23	1	TAL HOU	WS1
P:3010A	600-110504-D-3-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-3-A		560-115390	560-115258	04/30/2015 17:25	1	TAL CC	JEM

Lab ID: 600-110504-3

Client ID: ARTESIA-MW34-04232015 MS

Sample Date/Time: 04/23/2015 18:40 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-A-3 MS		600-161352		04/30/2015 14:10	1	TAL HOU	WS1
A:8260B	600-110504-A-3 MS		600-161352		04/30/2015 14:10	1	TAL HOU	WS1
P:3010A	600-110504-D-3-B MS		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-3-B MS		560-115390	560-115258	04/30/2015 17:30	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Laboratory Chronicle

Lab ID: 600-110504-3

Client ID: ARTESIA-MW34-04232015 MSD

Sample Date/Time: 04/23/2015 18:40 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-A-3 MSD		600-161352		04/30/2015 14:34	1	TAL HOU	WS1
A:8260B	600-110504-A-3 MSD		600-161352		04/30/2015 14:34	1	TAL HOU	WS1
P:3010A	600-110504-D-3-C		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-3-C MSD		560-115390	560-115258	04/30/2015 17:36	1	TAL CC	JEM

Lab ID: 600-110504-3 SD

Client ID: ARTESIA-MW34-04232015

Sample Date/Time: 04/23/2015 18:40 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-110504-D-3-A SD		560-115390	560-115258	04/28/2015 13:30	5	TAL CC	cc56
A:6020	600-110504-D-3-A SD		560-115390	560-115258	04/30/2015 17:42	5	TAL CC	JEM

Lab ID: 600-110504-4

Client ID: ARTESIA-MW28-04232015

Sample Date/Time: 04/23/2015 19:30 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-4		600-161352		04/30/2015 12:47	1	TAL HOU	WS1
A:8260B	600-110504-B-4		600-161352		04/30/2015 12:47	1	TAL HOU	WS1
P:3010A	600-110504-D-4-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-4-A		560-115390	560-115258	04/30/2015 17:59	1	TAL CC	JEM

Lab ID: 600-110504-5

Client ID: ARTESIA-DUP02-04232015

Sample Date/Time: 04/23/2015 16:15 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-5		600-161352		04/30/2015 13:11	1	TAL HOU	WS1
A:8260B	600-110504-B-5		600-161352		04/30/2015 13:11	1	TAL HOU	WS1
P:3010A	600-110504-D-5-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-5-A		560-115390	560-115258	04/30/2015 18:04	1	TAL CC	JEM

Lab ID: 600-110504-6

Client ID: ARTESIA-MW32-04232015

Sample Date/Time: 04/23/2015 10:15 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-6		600-161352		04/30/2015 13:47	1	TAL HOU	WS1
A:8260B	600-110504-B-6		600-161352		04/30/2015 13:47	1	TAL HOU	WS1
P:3010A	600-110504-D-6-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-6-A		560-115390	560-115258	04/30/2015 18:10	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Laboratory Chronicle

Lab ID: 600-110504-7

Client ID: TRIP BLANK

Sample Date/Time: 04/23/2015 12:30 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-7		600-161352		04/30/2015 15:22	1	TAL HOU	WS1
A:8260B	600-110504-B-7		600-161352		04/30/2015 15:22	1	TAL HOU	WS1

Lab ID: 600-110504-8

Client ID: ARTESIA-MW33-04232015

Sample Date/Time: 04/23/2015 11:11 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-8		600-161352		04/30/2015 15:46	1	TAL HOU	WS1
A:8260B	600-110504-B-8		600-161352		04/30/2015 15:46	1	TAL HOU	WS1

Lab ID: 600-110504-9

Client ID: ARTESIA-MW29-04232015

Sample Date/Time: 04/23/2015 12:40 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-9		600-161352		04/30/2015 16:10	1	TAL HOU	WS1
A:8260B	600-110504-B-9		600-161352		04/30/2015 16:10	1	TAL HOU	WS1
P:3010A	600-110504-D-9-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-9-A		560-115390	560-115258	04/30/2015 18:47	1	TAL CC	JEM

Lab ID: 600-110504-10

Client ID: ARTESIA-MW30-04232015

Sample Date/Time: 04/23/2015 13:37 Received Date/Time: 04/24/2015 09:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-110504-B-10		600-161352		04/30/2015 16:34	1	TAL HOU	WS1
A:8260B	600-110504-B-10		600-161352		04/30/2015 16:34	1	TAL HOU	WS1
P:3010A	600-110504-D-10-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	600-110504-D-10-A		560-115390	560-115258	04/30/2015 18:53	1	TAL CC	JEM

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-161352/5		600-161352		04/30/2015 11:56	1	TAL HOU	WS1
A:8260B	MB 600-161352/5		600-161352		04/30/2015 11:56	1	TAL HOU	WS1
P:3010A	MB 560-115258/1-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	MB 560-115258/1-A		560-115390	560-115258	04/30/2015 16:38	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-161352/3		600-161352		04/30/2015 11:08	1	TAL HOU	WS1
A:8260B	LCS 600-161352/3		600-161352		04/30/2015 11:08	1	TAL HOU	WS1
P:3010A	LCS 560-115258/2-A		560-115390	560-115258	04/28/2015 13:30	1	TAL CC	cc56
A:6020	LCS 560-115258/2-A		560-115390	560-115258	04/30/2015 16:43	1	TAL CC	JEM

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Instrument ID: CHVOAMS07 Analysis Batch Number: 156115Lab Sample ID: IC 600-156115/2 Client Sample ID: _____Date Analyzed: 02/17/15 11:12 Lab File ID: A04601A.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	9.16	Baseline	shenw	02/18/15 10:32

Lab Sample ID: IC 600-156115/3 Client Sample ID: _____Date Analyzed: 02/17/15 11:38 Lab File ID: A04602A.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	7.61	Baseline	shenw	02/18/15 10:39
1,4-Dioxane	9.14	Baseline	shenw	02/17/15 12:26

Lab Sample ID: IC 600-156115/4 Client Sample ID: _____Date Analyzed: 02/17/15 12:05 Lab File ID: A04603.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	9.15	Baseline	shenw	02/18/15 10:40

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EOxideStd_00037	02/18/15	02/04/15	Methanol, Lot V120414A	1 mL	MVETYLOIDE_00004	10 uL	Ethylene oxide	500 ug/mL
.MVETYLOIDE_00004	09/30/15		Supelco, Lot LC10122		(Purchased Reagent)		Ethylene oxide	50000 ug/mL
VOAIS250PPM_00015	02/18/15	02/04/15	Methanol, Lot V120414A	1 mL	VOA3IS_00003	100 uL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
.VOA3IS_00003	08/31/19		Restek, Lot A0105263		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
VOALCSGASPT_00112	05/06/15	04/29/15	Methanol, Lot V120414A	1 mL	VOARGASLCS_00002	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGASLCS_00002	11/30/15		RESTEK, Lot A099261		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOALCSPT2_00030	05/13/15	04/29/15	Methanol, Lot V120414A	1 mL	VOAR2CEVELCS_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETONLCS_00001	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMxLcsT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VOAR2CEVELCS_00001	02/29/16		Restek, Lot A093471		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMxLcsT_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
VOASS50PPM_00183	05/13/15	04/29/15	Methanol, Lot V120414A	1 mL	VOARSS_00005	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOARSS_00005	01/31/20		Restek, Lot A0108173		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
VOASTDGASPT_00101	02/18/15	02/11/15	Methanol, Lot V120414A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
VOASTDGASPT_00112	05/06/15	04/29/15	Methanol, Lot V120414A	1 mL	VOARGAS_00005	25 uL	Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
.VOARGAS_00005	07/31/18		Restek, Lot A0104969		(Purchased Reagent)		Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
VOASTDPT2_00024	02/18/15	02/04/15	Methanol, Lot V120414A	1 mL	VOAR2CEVE_00002	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARAcrolein_00011	12.5 uL	Acrolein	250 ug/mL
					VOARADDCOM_00003	25 uL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
					VOARCYCHONE_00004	125 uL	Cyclohexanone	2500 ug/mL
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOARMegMixT_00001	25 uL	4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VOARNR2_00001	25 uL	Pentachloroethane	50 ug/mL
					VOARPOLADD_00001	25 uL	Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
					VOARSS_00003	20 uL	Tert-butyl ethyl ether	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					VOARVA_00007	25 uL	Vinyl acetate	100 ug/mL
.VOAR2CEVE_00002	02/29/16		Restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARAcrolein_00011	02/28/15		Restek, Lot A0106504		(Purchased Reagent)		Acrolein	20000 ug/mL
.VOARADDCOM_00003	09/30/15		Restek, Lot A0101694		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	20000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
.VOARCYCHONE_00004	02/29/16		Restek, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
.VOARKETON_00002	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMixT_00001	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VOARNR2_00001	02/28/15		Restek, Lot A093359		(Purchased Reagent)		Pentachloroethane	2000 ug/mL
.VOARPOLADD_00001	12/31/15		Restek, Lot A099930		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.VOARSS_00003	01/31/19		Restek, Lot A0101000		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA_00007	05/31/15		Restek, Lot A0107309		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VOASTDPT2_00030	05/13/15	04/29/15	Methanol, Lot V120414A	1 mL	VOAR2CEVE_00002	50 uL	2-Chloroethyl vinyl ether	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMixT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARSS_00003	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOAR2CEVE_00002	02/29/16		Restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETON_00002	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMixT_00001	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
.VOARSS_00003	01/31/19	Restek, Lot A0101000			(Purchased Reagent)		Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
aICV_esi500_00007	05/01/15	04/15/13	5%/3% HCl/HNO3, Lot 1125384	100 mL	ESI-spKA_00007	2 mL	Manganese, Dissolved	5 mg/L
.ESI-spKA_00007	05/01/15	Elemental Scientific, Lot 1059635			(Purchased Reagent)		Manganese, Dissolved	250 mg/L
ESI-spKA_00009	02/01/16	Elemental Scientific, Lot 1069291			(Purchased Reagent)		Al	2500 mg/L
							As	25 mg/L
							B	25 mg/L
							Ba	25 mg/L
							Be	35 mg/L
							Ca	2500 mg/L
							Cd	25 mg/L
							Co	25 mg/L
							Cr	25 mg/L
							Cu	25 mg/L
							Fe	2500 mg/L
							K	2500 mg/L
							Li	25 mg/L
							Manganese, Dissolved	250 mg/L
							Mg	2500 mg/L
							Mo	25 mg/L
							Na	2500 mg/L
							Ni	25 mg/L
							P	250 mg/L
							Pb	25 mg/L
							Sb	25 mg/L
							Se	25 mg/L
							Si	500 mg/L
							Sn	25 mg/L
							Sr	25 mg/L
							Ti	25 mg/L
							Tl	10 mg/L
							U	25 mg/L
							V	25 mg/L
							Zn	25 mg/L
ESI-spKB_00007	02/01/16	Elemental Scientific, Lot 1069291			(Purchased Reagent)		Ag	25 mg/L
INT-A_00087	08/09/15	02/09/15	DI+HNO3,HCl, Lot icap acid_00064	100 mL	141205INT-A_00001	5 mL	Al	250000 ug/L
							Ca	250000 ug/L
							Fe	100000 ug/L
							Mg	250000 ug/L
.141205INT-A_00001	05/10/16	CPI, Lot 14H048			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
INT-AB_00089	08/09/15	02/09/15	5%/3% HCl/HNO3, Lot icap acid_00064	100 mL	140813INTB_00001	1 mL	Ag	1000 ug/L
							Ba	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							V	500 ug/L
							Zn	1000 ug/L
					141205INT-A_00001	5 mL	Al	250000 ug/L
							Ca	250000 ug/L
							Fe	100000 ug/L
							Mg	250000 ug/L
.140813INTB_00001	01/16/16	CPI, Lot 13L084	(Purchased Reagent)	Ag	100 ug/mL			
				Ba	50 ug/mL			
				Be	50 ug/mL			
				Cd	100 ug/mL			
				Co	50 ug/mL			
				Cr	50 ug/mL			
				Cu	50 ug/mL			
				Manganese, Dissolved	50 ug/mL			
				Ni	100 ug/mL			
				V	50 ug/mL			
.141205INT-A_00001	05/10/16	CPI, Lot 14H048	(Purchased Reagent)	Al	5000 ug/mL			
				Ca	5000 ug/mL			
				Fe	2000 ug/mL			
				Mg	5000 ug/mL			
TS_MS250_00025	06/01/15	01/02/15	5%/3% HCl/HNO3, Lot icap acid	50 mL	TS_MS500_00016	25 mL	Manganese, Dissolved	2.5 mg/L
.TS_MS500_00016	06/01/15	01/02/15	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00007	1 mL	Manganese, Dissolved	5 mg/L
..MT-STD-3_00007	09/01/15	IV, Lot F2-MEB449090			(Purchased Reagent)		Manganese, Dissolved	1000 mg/L

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Dowell - Artesia Groundwater

TestAmerica Job ID: 600-110504-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAP	6	30643
TestAmerica Houston	Oklahoma	State Program	6	1309
TestAmerica Houston	Texas	NELAP	6	T104704223
TestAmerica Houston	USDA	Federal		P330-14-00192
TestAmerica Houston	Utah	NELAP	8	TX00083
TestAmerica Corpus Christi	Kansas	NELAP	7	E-10362
TestAmerica Corpus Christi	Oklahoma	State Program	6	9968
TestAmerica Corpus Christi	Texas	NELAP	6	T104704210
TestAmerica Corpus Christi	USDA	Federal		P330-14-00328

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260B_LL

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
ARTESIA-MW26-04232 015	600-110504-1	107	91	84	87
ARTESIA-MW31-04232 015	600-110504-2	108	94	84	84
ARTESIA-MW34-04232 015	600-110504-3	97	76	89	89
ARTESIA-MW28-04232 015	600-110504-4	101	80	86	87
ARTESIA-DUP02-0423 2015	600-110504-5	99	81	85	87
ARTESIA-MW32-04232 015	600-110504-6	100	77	89	89
TRIP BLANK	600-110504-7	99	81	86	89
ARTESIA-MW33-04232 015	600-110504-8	101	87	82	85
ARTESIA-MW29-04232 015	600-110504-9	102	89	85	89
ARTESIA-MW30-04232 015	600-110504-10	105	87	83	86
	MB 600-161352/5	99	78	87	88
	LCS 600-161352/3	100	71	90	89
ARTESIA-MW34-04232 015 MS MS	600-110504-3 MS	106	82	84	86
ARTESIA-MW34-04232 015 MSD MSD	600-110504-3 MSD	105	82	85	84

DBFM = Dibromofluoromethane
 DCA = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene

QC LIMITS
 62-130
 50-134
 70-130
 67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A12002A.D
 Lab ID: LCS 600-161352/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	10.0	8.728	87	70-130	
Bromobenzene	10.0	9.421	94	70-130	
Bromochloromethane	10.0	9.985	100	58-130	
Bromodichloromethane	10.0	9.016	90	70-131	
Bromoform	10.0	8.915	89	54-133	
Bromomethane	10.0	10.39	104	25-150	
2-Butanone (MEK)	20.0	17.93	90	41-141	
Carbon tetrachloride	10.0	8.750	87	70-144	
Chlorobenzene	10.0	8.973	90	69-130	
Chlorodibromomethane	10.0	8.979	90	62-130	
Chloroethane	10.0	10.98	110	47-150	
2-Chloroethyl vinyl ether	20.0	19.15	96	10-150	
Chloroform	10.0	8.298	83	70-130	
Chloromethane	10.0	10.76	108	10-150	
2-Chlorotoluene	10.0	9.367	94	65-130	
4-Chlorotoluene	10.0	9.071	91	70-130	
cis-1,2-Dichloroethene	10.0	9.521	95	68-130	
cis-1,3-Dichloropropene	10.0	8.836	88	57-130	
1,2-Dibromo-3-Chloropropane	10.0	9.360	94	41-142	
Dibromomethane	10.0	8.737	87	70-130	
1,2-Dichlorobenzene	10.0	8.611	86	70-130	
1,3-Dichlorobenzene	10.0	8.517	85	70-130	
1,4-Dichlorobenzene	10.0	8.098	81	70-130	
Dichlorodifluoromethane	10.0	7.661	77	10-150	
1,1-Dichloroethane	10.0	8.716	87	70-140	
1,2-Dichloroethane	10.0	7.968	80	67-134	
1,1-Dichloroethene	10.0	9.291	93	58-148	
1,2-Dichloropropane	10.0	8.836	88	70-130	
1,3-Dichloropropane	10.0	8.584	86	70-130	
2,2-Dichloropropane	10.0	8.426	84	64-149	
1,1-Dichloropropene	10.0	9.556	96	70-137	
Ethylbenzene	10.0	9.529	95	70-130	
Ethylene Dibromide	10.0	9.736	97	67-130	
Hexachlorobutadiene	10.0	7.497	75	55-150	
Isopropylbenzene	10.0	9.556	96	65-132	
Methylene Chloride	10.0	10.22	102	55-147	
Methyl tert-butyl ether	10.0	10.18	102	56-132	
m-Xylene & p-Xylene	10.0	9.299	93	70-130	
Naphthalene	10.0	10.22	102	10-150	
n-Butylbenzene	10.0	7.807	78	70-130	
N-Propylbenzene	10.0	9.414	94	69-130	
o-Xylene	10.0	9.479	95	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A12002A.D
 Lab ID: LCS 600-161352/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	10.0	8.011	80	70-130	
sec-Butylbenzene	10.0	8.424	84	68-130	
Styrene	10.0	8.614	86	70-130	
tert-Butylbenzene	10.0	8.898	89	70-130	
1,1,1,2-Tetrachloroethane	10.0	8.839	88	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.12	111	58-133	
Tetrachloroethene	10.0	8.796	88	47-150	
Toluene	10.0	9.090	91	70-130	
trans-1,2-Dichloroethene	10.0	9.681	97	68-131	
trans-1,3-Dichloropropene	10.0	9.205	92	60-130	
1,2,3-Trichlorobenzene	10.0	7.843	78	10-150	
1,2,4-Trichlorobenzene	10.0	7.313	73	46-150	
1,1,1-Trichloroethane	10.0	8.598	86	70-136	
1,1,2-Trichloroethane	10.0	9.435	94	70-130	
Trichloroethene	10.0	9.443	94	70-130	
Trichlorofluoromethane	10.0	9.157	92	43-150	
1,2,3-Trichloropropane	10.0	10.38	104	48-136	
1,2,4-Trimethylbenzene	10.0	8.814	88	70-130	
1,3,5-Trimethylbenzene	10.0	8.646	86	69-130	
Vinyl chloride	10.0	9.226	92	33-150	
Xylenes, Total	20.0	18.78	94	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A12009.D
Lab ID: 600-110504-3 MS Client ID: ARTESIA-MW34-04232015 MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	10.0	0.176 U	9.413	94	70-130	
Bromobenzene	10.0	0.195 U	9.472	95	70-130	
Bromochloromethane	10.0	0.162 U	11.26	113	58-130	
Bromodichloromethane	10.0	0.153 U	10.52	105	70-131	
Bromoform	10.0	0.151 U	9.168	92	54-133	
Bromomethane	10.0	0.250 U	9.242	92	25-150	
2-Butanone (MEK)	20.0	0.760 U	19.90	100	41-141	
Carbon tetrachloride	10.0	0.183 U	9.524	95	70-144	
Chlorobenzene	10.0	0.185 U	9.302	93	69-130	
Chlorodibromomethane	10.0	0.119 U	10.19	102	62-130	
Chloroethane	10.0	0.240 U	9.750	98	47-150	
2-Chloroethyl vinyl ether	20.0	0.500 U	0.500 U	0	10-150	F1
Chloroform	10.0	0.151 U	9.287	93	70-130	
Chloromethane	10.0	0.209 U	9.515	95	10-150	
2-Chlorotoluene	10.0	0.226 U	9.099	91	70-130	
4-Chlorotoluene	10.0	0.210 U	9.097	91	70-130	
cis-1,2-Dichloroethene	10.0	0.157 U	10.50	105	68-130	
cis-1,3-Dichloropropene	10.0	0.160 U	9.400	94	57-130	
1,2-Dibromo-3-Chloropropane	10.0	0.810 U	11.27	113	41-142	
Dibromomethane	10.0	0.520 U	10.63	106	70-130	
1,2-Dichlorobenzene	10.0	0.153 U	8.882	89	70-130	
1,3-Dichlorobenzene	10.0	0.210 U	8.496	85	70-130	
1,4-Dichlorobenzene	10.0	0.176 U	8.132	81	70-130	
Dichlorodifluoromethane	10.0	0.859 U	7.656	77	10-150	
1,1-Dichloroethane	10.0	1.85	10.87	90	70-140	
1,2-Dichloroethane	10.0	0.116 U	9.642	96	67-134	
1,1-Dichloroethene	10.0	3.73	13.08	93	58-148	
1,2-Dichloropropane	10.0	0.136 U	9.710	97	70-130	
1,3-Dichloropropane	10.0	0.220 U	9.724	97	70-130	
2,2-Dichloropropane	10.0	0.258 U	9.029	90	64-149	
1,1-Dichloropropene	10.0	0.191 U	10.02	100	70-137	
Ethylbenzene	10.0	0.212 U	9.646	96	70-130	
Ethylene Dibromide	10.0	0.111 U	10.56	106	67-130	
Hexachlorobutadiene	10.0	0.215 U	7.883	79	55-150	
Isopropylbenzene	10.0	0.241 U	9.145	91	65-132	
Methylene Chloride	10.0	0.176 U	10.87	109	55-147	
Methyl tert-butyl ether	10.0	0.105 U	11.83	118	56-132	
m-Xylene & p-Xylene	10.0	0.205 U	9.591	96	70-130	
Naphthalene	10.0	0.129 U	11.48	115	10-150	
n-Butylbenzene	10.0	0.212 U	7.572	76	70-130	
N-Propylbenzene	10.0	0.230 U	9.084	91	69-130	
o-Xylene	10.0	0.192 U	9.684	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A12009.D
 Lab ID: 600-110504-3 MS Client ID: ARTESIA-MW34-04232015 MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
p-Isopropyltoluene	10.0	0.228 U	7.655	77	70-130	
sec-Butylbenzene	10.0	0.224 U	8.044	80	68-130	
Styrene	10.0	0.175 U	0.175 U	0	70-130	F1
tert-Butylbenzene	10.0	0.216 U	8.612	86	70-130	
1,1,1,2-Tetrachloroethane	10.0	0.178 U	9.686	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	0.197 U	11.88	119	58-133	
Tetrachloroethene	10.0	2.91	11.38	85	47-150	
Toluene	10.0	0.198 U	9.157	92	70-130	
trans-1,2-Dichloroethene	10.0	0.192 U	9.913	99	68-131	
trans-1,3-Dichloropropene	10.0	0.137 U	9.882	99	60-130	
1,2,3-Trichlorobenzene	10.0	0.570 U	8.452	85	10-150	
1,2,4-Trichlorobenzene	10.0	0.177 U	7.190	72	46-150	
1,1,1-Trichloroethane	10.0	0.209 U	9.374	94	70-136	
1,1,2-Trichloroethane	10.0	0.280 U	10.47	105	70-130	
Trichloroethene	10.0	0.962 J	11.09	101	70-130	
Trichlorofluoromethane	10.0	0.244 U	8.629	86	43-150	
1,2,3-Trichloropropane	10.0	0.290 U	11.01	110	48-136	
1,2,4-Trimethylbenzene	10.0	0.215 U	8.778	88	70-130	
1,3,5-Trimethylbenzene	10.0	0.210 U	8.500	85	69-130	
Vinyl chloride	10.0	0.248 U	8.198	82	33-150	
Xylenes, Total	20.0	0.366 U	19.28	96	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston

Job No.: 600-110504-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: A12010.D

Lab ID: 600-110504-3 MSD

Client ID: ARTESIA-MW34-04232015 MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	10.0	8.942	89	5	30	70-130	
Bromobenzene	10.0	9.098	91	4	30	70-130	
Bromochloromethane	10.0	10.74	107	5	30	58-130	
Bromodichloromethane	10.0	10.31	103	2	30	70-131	
Bromoform	10.0	8.746	87	5	30	54-133	
Bromomethane	10.0	5.920	59	44	30	25-150	F2
2-Butanone (MEK)	20.0	18.83	94	6	30	41-141	
Carbon tetrachloride	10.0	9.322	93	2	30	70-144	
Chlorobenzene	10.0	9.113	91	2	30	69-130	
Chlorodibromomethane	10.0	10.06	101	1	30	62-130	
Chloroethane	10.0	2.347	23	122	30	47-150	F1 F2
2-Chloroethyl vinyl ether	20.0	0.500 U	0	NC	30	10-150	F1
Chloroform	10.0	8.943	89	4	30	70-130	
Chloromethane	10.0	4.846	48	65	30	10-150	F2
2-Chlorotoluene	10.0	8.650	87	5	30	70-130	
4-Chlorotoluene	10.0	8.492	85	7	30	70-130	
cis-1,2-Dichloroethene	10.0	10.06	101	4	30	68-130	
cis-1,3-Dichloropropene	10.0	9.281	93	1	30	57-130	
1,2-Dibromo-3-Chloropropane	10.0	9.830	98	14	30	41-142	
Dibromomethane	10.0	10.35	104	3	30	70-130	
1,2-Dichlorobenzene	10.0	8.493	85	4	30	70-130	
1,3-Dichlorobenzene	10.0	8.052	81	5	30	70-130	
1,4-Dichlorobenzene	10.0	7.783	78	4	30	70-130	
Dichlorodifluoromethane	10.0	4.443	44	53	30	10-150	F2
1,1-Dichloroethane	10.0	10.49	86	4	30	70-140	
1,2-Dichloroethane	10.0	9.354	94	3	30	67-134	
1,1-Dichloroethene	10.0	12.63	89	3	30	58-148	
1,2-Dichloropropane	10.0	9.451	95	3	30	70-130	
1,3-Dichloropropane	10.0	9.584	96	1	30	70-130	
2,2-Dichloropropane	10.0	8.560	86	5	30	64-149	
1,1-Dichloropropene	10.0	9.674	97	4	30	70-137	
Ethylbenzene	10.0	9.500	95	2	30	70-130	
Ethylene Dibromide	10.0	10.87	109	3	30	67-130	
Hexachlorobutadiene	10.0	6.797	68	15	30	55-150	
Isopropylbenzene	10.0	8.609	86	6	30	65-132	
Methylene Chloride	10.0	10.61	106	2	30	55-147	
Methyl tert-butyl ether	10.0	11.77	118	0	30	56-132	
m-Xylene & p-Xylene	10.0	9.321	93	3	30	70-130	
Naphthalene	10.0	10.78	108	6	30	10-150	
n-Butylbenzene	10.0	7.111	71	6	30	70-130	
N-Propylbenzene	10.0	8.367	84	8	30	69-130	
o-Xylene	10.0	9.471	95	2	30	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A12010.D
 Lab ID: 600-110504-3 MSD Client ID: ARTESIA-MW34-04232015 MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	10.0	7.187	72	6	30	70-130	
sec-Butylbenzene	10.0	7.518	75	7	30	68-130	
Styrene	10.0	0.175 U	0	NC	30	70-130	F1
tert-Butylbenzene	10.0	7.976	80	8	30	70-130	
1,1,1,2-Tetrachloroethane	10.0	9.587	96	1	30	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.80	108	10	30	58-133	
Tetrachloroethene	10.0	11.36	84	0	30	47-150	
Toluene	10.0	9.037	90	1	30	70-130	
trans-1,2-Dichloroethene	10.0	9.521	95	4	30	68-131	
trans-1,3-Dichloropropene	10.0	9.836	98	0	30	60-130	
1,2,3-Trichlorobenzene	10.0	8.148	81	4	30	10-150	
1,2,4-Trichlorobenzene	10.0	6.959	70	3	30	46-150	
1,1,1-Trichloroethane	10.0	8.989	90	4	30	70-136	
1,1,2-Trichloroethane	10.0	9.946	99	5	30	70-130	
Trichloroethene	10.0	10.82	99	3	30	70-130	
Trichlorofluoromethane	10.0	2.172	22	120	30	43-150	F1 F2
1,2,3-Trichloropropane	10.0	10.37	104	6	30	48-136	
1,2,4-Trimethylbenzene	10.0	8.303	83	6	30	70-130	
1,3,5-Trimethylbenzene	10.0	7.962	80	7	30	69-130	
Vinyl chloride	10.0	1.982 J	20	122	30	33-150	F1 F2
Xylenes, Total	20.0	18.79	94	3	30	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Lab File ID: A12004.D Lab Sample ID: MB 600-161352/5
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CHVOAMS07 Date Analyzed: 04/30/2015 11:56
 GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-161352/3	A12002A.D	04/30/2015 11:08
ARTESIA-MW34-04232015	600-110504-3	A12005.D	04/30/2015 12:23
ARTESIA-MW28-04232015	600-110504-4	A12006.D	04/30/2015 12:47
ARTESIA-DUP02-04232015	600-110504-5	A12007.D	04/30/2015 13:11
ARTESIA-MW32-04232015	600-110504-6	A12008.D	04/30/2015 13:47
ARTESIA-MW34-04232015 MS MS	600-110504-3 MS	A12009.D	04/30/2015 14:10
ARTESIA-MW34-04232015 MSD MSD	600-110504-3 MSD	A12010.D	04/30/2015 14:34
TRIP BLANK	600-110504-7	A12012.D	04/30/2015 15:22
ARTESIA-MW33-04232015	600-110504-8	A12013.D	04/30/2015 15:46
ARTESIA-MW29-04232015	600-110504-9	A12014.D	04/30/2015 16:10
ARTESIA-MW30-04232015	600-110504-10	A12015.D	04/30/2015 16:34
ARTESIA-MW26-04232015	600-110504-1	A12016.D	04/30/2015 16:58
ARTESIA-MW31-04232015	600-110504-2	A12017.D	04/30/2015 17:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Lab File ID: A04600.D BFB Injection Date: 02/17/2015
 Instrument ID: CHVOAMS07 BFB Injection Time: 08:34
 Analysis Batch No.: 156115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.4
75	30.0 - 60.0 % of mass 95	57.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	76.6
175	5.0 - 9.0 % of mass 174	6.0 (7.8)1
176	95.0 - 101.0 % of mass 174	75.7 (98.8)1
177	5.0 - 9.0 % of mass 176	5.1 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-156115/2	A04601A.D	02/17/2015	11:12
	IC 600-156115/3	A04602A.D	02/17/2015	11:38
	IC 600-156115/4	A04603.D	02/17/2015	12:05
	IC 600-156115/5	A04604.D	02/17/2015	12:28
	ICIS 600-156115/6	A04605.D	02/17/2015	12:52
	IC 600-156115/7	A04606.D	02/17/2015	13:15
	IC 600-156115/8	A04607.D	02/17/2015	13:39

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Lab File ID: A12000.D BFB Injection Date: 04/30/2015
 Instrument ID: CHVOAMS07 BFB Injection Time: 08:47
 Analysis Batch No.: 161352

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.0
75	30.0 - 60.0 % of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	81.4
175	5.0 - 9.0 % of mass 174	6.1 (7.5)1
176	95.0 - 101.0 % of mass 174	78.5 (96.4)1
177	5.0 - 9.0 % of mass 176	5.1 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-161352/2	A12002.D	04/30/2015	10:20
	LCS 600-161352/3	A12002A.D	04/30/2015	11:08
	MB 600-161352/5	A12004.D	04/30/2015	11:56
ARTESIA-MW34-04232015	600-110504-3	A12005.D	04/30/2015	12:23
ARTESIA-MW28-04232015	600-110504-4	A12006.D	04/30/2015	12:47
ARTESIA-DUP02-04232015	600-110504-5	A12007.D	04/30/2015	13:11
ARTESIA-MW32-04232015	600-110504-6	A12008.D	04/30/2015	13:47
ARTESIA-MW34-04232015 MS MS	600-110504-3 MS	A12009.D	04/30/2015	14:10
ARTESIA-MW34-04232015 MSD MSD	600-110504-3 MSD	A12010.D	04/30/2015	14:34
TRIP BLANK	600-110504-7	A12012.D	04/30/2015	15:22
ARTESIA-MW33-04232015	600-110504-8	A12013.D	04/30/2015	15:46
ARTESIA-MW29-04232015	600-110504-9	A12014.D	04/30/2015	16:10
ARTESIA-MW30-04232015	600-110504-10	A12015.D	04/30/2015	16:34
ARTESIA-MW26-04232015	600-110504-1	A12016.D	04/30/2015	16:58
ARTESIA-MW31-04232015	600-110504-2	A12017.D	04/30/2015	17:22

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Sample No.: CCVIS 600-161352/2 Date Analyzed: 04/30/2015 10:20
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A12002.D Heated Purge: (Y/N) N
 Calibration ID: 6658

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1200667	8.64	364394	11.65	295766	14.23
UPPER LIMIT		2401334	9.14	728788	12.15	591532	14.73
LOWER LIMIT		600334	8.14	182197	11.15	147883	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-161352/3		1199764	8.64	365279	11.65	300619	14.23
MB 600-161352/5		1104700	8.64	348159	11.65	279317	14.23
600-110504-3	ARTESIA-MW34-04232015	1058202	8.64	324431	11.65	252732	14.23
600-110504-4	ARTESIA-MW28-04232015	1035418	8.64	328229	11.65	266308	14.23
600-110504-5	ARTESIA-DUP02-04232015	1003240	8.64	325164	11.65	255000	14.23
600-110504-6	ARTESIA-MW32-04232015	975347	8.64	299155	11.65	228607	14.23
600-110504-3 MS	ARTESIA-MW34-04232015 MS MS	999814	8.64	327410	11.65	282163	14.23
600-110504-3 MSD	ARTESIA-MW34-04232015 MSD MSD	1006620	8.64	320046	11.65	288498	14.23
600-110504-7	TRIP BLANK	928894	8.64	295903	11.65	228804	14.23
600-110504-8	ARTESIA-MW33-04232015	915379	8.64	304416	11.65	243016	14.23
600-110504-9	ARTESIA-MW29-04232015	886892	8.64	290047	11.65	225606	14.23
600-110504-10	ARTESIA-MW30-04232015	866814	8.64	286038	11.65	226062	14.23
600-110504-1	ARTESIA-MW26-04232015	836216	8.64	278102	11.65	218512	14.23
600-110504-2	ARTESIA-MW31-04232015	828131	8.64	273645	11.65	226202	14.23

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-MW26-04232015 Lab Sample ID: 600-110504-1

Matrix: Water Lab File ID: A12016.D

Analysis Method: 8260B Date Collected: 04/23/2015 08:25

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 16:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.271	J	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	1.88		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW26-04232015 Lab Sample ID: 600-110504-1
 Matrix: Water Lab File ID: A12016.D
 Analysis Method: 8260B Date Collected: 04/23/2015 08:25
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 16:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	1.04		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.558	J	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	87		67-139
1868-53-7	Dibromofluoromethane	107		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134
2037-26-5	Toluene-d8 (Surr)	84		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW31-04232015 Lab Sample ID: 600-110504-2
 Matrix: Water Lab File ID: A12017.D
 Analysis Method: 8260B Date Collected: 04/23/2015 08:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 17:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.192	U	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW31-04232015 Lab Sample ID: 600-110504-2
 Matrix: Water Lab File ID: A12017.D
 Analysis Method: 8260B Date Collected: 04/23/2015 08:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 17:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.138	U	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	84		67-139
1868-53-7	Dibromofluoromethane	108		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134
2037-26-5	Toluene-d8 (Surr)	84		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-04232015 Lab Sample ID: 600-110504-3
 Matrix: Water Lab File ID: A12005.D
 Analysis Method: 8260B Date Collected: 04/23/2015 18:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 12:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U F2	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U F2 F1	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U F1	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U F2	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U F2	1.00	0.859
75-34-3	1,1-Dichloroethane	1.85		1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	3.73		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-04232015 Lab Sample ID: 600-110504-3

Matrix: Water Lab File ID: A12005.D

Analysis Method: 8260B Date Collected: 04/23/2015 18:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 12:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-09-2	Methylene Chloride	0.176	U	5.00	0.176
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U F1	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	2.91		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.962	J	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U F2 F1	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U F2 F1	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
SDG No.: _____
Client Sample ID: ARTESIA-MW34-04232015 Lab Sample ID: 600-110504-3
Matrix: Water Lab File ID: A12005.D
Analysis Method: 8260B Date Collected: 04/23/2015 18:40
Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 12:23
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 161352 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	97		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		50-134
2037-26-5	Toluene-d8 (Surr)	89		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-MW28-04232015 Lab Sample ID: 600-110504-4

Matrix: Water Lab File ID: A12006.D

Analysis Method: 8260B Date Collected: 04/23/2015 19:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 12:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.428	J	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	6.79		1.00	0.168
107-06-2	1,2-Dichloroethane	0.182	J	1.00	0.116
75-35-4	1,1-Dichloroethene	21.6		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW28-04232015 Lab Sample ID: 600-110504-4
 Matrix: Water Lab File ID: A12006.D
 Analysis Method: 8260B Date Collected: 04/23/2015 19:30
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 12:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.665	J	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	18.8		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	6.72		1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	87		67-139
1868-53-7	Dibromofluoromethane	101		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		50-134
2037-26-5	Toluene-d8 (Surr)	86		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP02-04232015 Lab Sample ID: 600-110504-5

Matrix: Water Lab File ID: A12007.D

Analysis Method: 8260B Date Collected: 04/23/2015 16:15

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 13:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	5.09		1.00	0.168
107-06-2	1,2-Dichloroethane	0.163	J	1.00	0.116
75-35-4	1,1-Dichloroethene	15.0		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP02-04232015 Lab Sample ID: 600-110504-5

Matrix: Water Lab File ID: A12007.D

Analysis Method: 8260B Date Collected: 04/23/2015 16:15

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 13:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	18.1		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	4.42		1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	87		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		50-134
2037-26-5	Toluene-d8 (Surr)	85		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW32-04232015 Lab Sample ID: 600-110504-6
 Matrix: Water Lab File ID: A12008.D
 Analysis Method: 8260B Date Collected: 04/23/2015 10:15
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 13:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.414	J	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	1.50		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-110504-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW32-04232015</u>	Lab Sample ID: <u>600-110504-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>A12008.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/23/2015 10:15</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>04/30/2015 13:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>161352</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	1.97		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.579	J	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	100		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		50-134
2037-26-5	Toluene-d8 (Surr)	89		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-110504-1</u>
SDG No.: _____	
Client Sample ID: <u>TRIP BLANK</u>	Lab Sample ID: <u>600-110504-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>A12012.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/23/2015 12:30</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>04/30/2015 15:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>161352</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.192	U	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-110504-1</u>
SDG No.: _____	
Client Sample ID: <u>TRIP BLANK</u>	Lab Sample ID: <u>600-110504-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>A12012.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/23/2015 12:30</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>04/30/2015 15:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>161352</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.138	U	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		50-134
2037-26-5	Toluene-d8 (Surr)	86		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-MW33-04232015 Lab Sample ID: 600-110504-8

Matrix: Water Lab File ID: A12013.D

Analysis Method: 8260B Date Collected: 04/23/2015 11:11

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 15:46

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.192	U	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-MW33-04232015 Lab Sample ID: 600-110504-8

Matrix: Water Lab File ID: A12013.D

Analysis Method: 8260B Date Collected: 04/23/2015 11:11

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 15:46

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.138	U	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	85		67-139
1868-53-7	Dibromofluoromethane	101		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		50-134
2037-26-5	Toluene-d8 (Surr)	82		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-110504-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW29-04232015</u>	Lab Sample ID: <u>600-110504-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>A12014.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/23/2015 12:40</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>04/30/2015 16:10</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>161352</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.476	J	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	4.77		1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	16.2		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: ARTESIA-MW29-04232015 Lab Sample ID: 600-110504-9

Matrix: Water Lab File ID: A12014.D

Analysis Method: 8260B Date Collected: 04/23/2015 12:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 16:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	1.36		1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	10.3		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	5.27		1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134
2037-26-5	Toluene-d8 (Surr)	85		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-110504-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW30-04232015</u>	Lab Sample ID: <u>600-110504-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>A12015.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>04/23/2015 13:37</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>04/30/2015 16:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>161352</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	5.20		1.00	0.168
107-06-2	1,2-Dichloroethane	0.183	J	1.00	0.116
75-35-4	1,1-Dichloroethene	14.7		1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW30-04232015 Lab Sample ID: 600-110504-10
 Matrix: Water Lab File ID: A12015.D
 Analysis Method: 8260B Date Collected: 04/23/2015 13:37
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 16:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	16.9		1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	4.18		1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	86		67-139
1868-53-7	Dibromofluoromethane	105		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		50-134
2037-26-5	Toluene-d8 (Surr)	83		70-130

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-156115/2	A04601A.D
Level 2	IC 600-156115/3	A04602A.D
Level 3	IC 600-156115/4	A04603.D
Level 4	IC 600-156115/5	A04604.D
Level 5	ICIS 600-156115/6	A04605.D
Level 6	IC 600-156115/7	A04606.D
Level 7	IC 600-156115/8	A04607.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3457 0.3607	0.3368 0.3438	0.3281	0.3748	0.3674	Ave		0.3510				4.8		15.0			
Chloromethane	0.1643 0.1495	0.1407 0.1501	0.1256	0.1426	0.1513	Ave		0.1463			0.1000	8.1		15.0			
Vinyl chloride	0.1893 0.1879	0.1789 0.1924	0.1673	0.1877	0.1916	Ave		0.1850				4.8		15.0			
Butadiene	0.2153 0.2549	0.2244 0.2575	0.2123	0.2403	0.2526	Ave		0.2368				8.2		15.0			
Ethylene oxide	0.0164 0.0098	0.0129 0.0100	0.0118	0.0112	0.0100	Lin2	0.0322	0.0100							0.9980		0.9900
Bromomethane	0.1258 0.1215	0.1101 0.1238	0.0996	0.1133	0.1209	Ave		0.1164				8.0		15.0			
Ethanol	0.0009 0.0002	0.0003 0.0002	0.0004	0.0003	0.0003	Lin	0.0123	0.0002							0.9990		0.9900
Chloroethane	0.1029 0.0994	0.1051 0.1021	0.0936	0.1085	0.1078	Ave		0.1028				5.0		15.0			
Dichlorofluoromethane	0.4033 0.3654	0.4035 0.3636	0.3651	0.3908	0.3874	Ave		0.3827				4.7		15.0			
Acrolein	0.0088 0.0048	0.0059 0.0045	0.0058	0.0055	0.0047	Lin2	0.0099	0.0046							0.9910		0.9900
Acetonitrile	0.0041 0.0036	0.0049 0.0036	0.0043	0.0045	0.0039	Ave		0.0041				11.0		15.0			
Trichlorofluoromethane	0.5253 0.5358	0.5463 0.4934	0.5032	0.5660	0.5607	Ave		0.5329				5.2		15.0			
Isopropyl alcohol	0.0054 0.0016	0.0025 0.0015	0.0023	0.0020	0.0018	Lin1	0.0175	0.0015							0.9950		0.9900
Acetone	0.0396 0.0137	0.0239 0.0138	0.0221	0.0184	0.0153	Lin1	0.0266	0.0136							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	0.0929 0.0706	0.1096 0.0733	0.0842	0.0813	0.0714	Lin1	0.0203	0.0721							0.9980		0.9900
t-Butanol	0.0089 0.0055	0.0071 0.0053	0.0059	0.0062	0.0054	Lin2	0.0175	0.0054							0.9970		0.9900
1,1-Dichloroethene	0.2512 0.2641	0.2709 0.2429	0.2350	0.2403	0.2400	Ave		0.2492				5.4		15.0			
Acrylonitrile	0.0159 0.0168	0.0170 0.0149	0.0157	0.0167	0.0164	Ave		0.0162				4.7		15.0			
Iodomethane	0.2082 0.2398	0.1614 0.2842	0.1624	0.2391	0.2366	Lin1	-0.090	0.2688							0.9910		0.9900
Methylene Chloride	0.5864 0.1963	0.3564 0.1856	0.2736	0.2418	0.2045	Lin2	0.1953	0.1841							0.9920		0.9900
Methyl acetate	0.0706 0.0697	0.0810 0.0703	0.0811	0.0793	0.0720	Ave		0.0749				7.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2949 0.2831	0.3212 0.2682	0.3006	0.2883	0.2656	Ave		0.2888				6.7		15.0			
3-Chloro-1-propene	0.1239 0.1408	0.1306 0.1346	0.1366	0.1399	0.1346	Ave		0.1344				4.3		15.0			
Carbon disulfide	0.8463 0.8039	0.8271 0.7164	0.7998	0.8466	0.7761	Ave		0.8023				5.7		15.0			
trans-1,2-Dichloroethene	0.3202 0.2954	0.2959 0.2836	0.2925	0.2985	0.2817	Ave		0.2954				4.3		15.0			
Methyl tert-butyl ether	0.2956 0.3472	0.3541 0.3611	0.3624	0.3761	0.3452	Ave		0.3488				7.4		15.0			
Propionitrile	0.0073 0.0063	0.0062 0.0059	0.0073	0.0078	0.0065	Ave		0.0068				10.0		15.0			
1,1-Dichloroethane	0.5481 0.5195	0.5635 0.4911	0.5561	0.5642	0.5158	Ave		0.5369			0.1000	5.3		15.0			
Vinyl acetate	0.0769 0.1028	0.0917 0.1077	0.0959	0.1065	0.1020	Ave		0.0976				11.0		15.0			
2-Chloro-1,3-butadiene	0.3918 0.5145	0.4465 0.4838	0.4440	0.5013	0.4856	Ave		0.4668				9.0		15.0			
Hexane	0.3262 0.3959	0.4008 0.3688	0.4093	0.4282	0.3954	Ave		0.3892				8.5		15.0			
Isopropyl ether	0.5102 0.6262	0.6633 0.5986	0.7129	0.7181	0.6431	Ave		0.6389				11.0		15.0			
2-Butanone (MEK)	0.0121 0.0092	0.0098 0.0090	0.0119	0.0115	0.0096	Ave		0.0104				13.0		15.0			
Methacrylonitrile	0.0078 0.0092	0.0094 0.0091	0.0113	0.0108	0.0099	Ave		0.0096				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2876 0.2774	0.3118 0.2676	0.3083	0.2988	0.2765	Ave		0.2897				5.9		15.0			
Ethyl acetate	0.0031 0.0027	0.0015 0.0033	0.0028	0.0034	0.0027	Lin1	-0.001	0.0031							0.9900		0.9900
Bromochloromethane	0.1050 0.0881	0.0972 0.0883	0.0996	0.0979	0.0860	Ave		0.0946				7.6		15.0			
Chloroform	0.5763 0.5232	0.6128 0.4963	0.5741	0.5737	0.5178	Ave		0.5535				7.5		15.0			
Tert-butyl ethyl ether	0.3733 0.4945	0.4865 0.5051	0.4975	0.5074	0.4825	Ave		0.4781				9.9		15.0			
Isobutyl alcohol	0.0049 0.0041	0.0052 0.0041	0.0053	0.0049	0.0045	Ave		0.0047				10.0		15.0			
2,2-Dichloropropane	0.4560 0.5806	0.5333 0.5483	0.5334	0.5730	0.5299	Ave		0.5363				7.6		15.0			
Tetrahydrofuran	0.0206 0.0138	0.0208 0.0144	0.0171	0.0137	0.0137	Lin1	0.0084	0.0140							0.9980		0.9900
1,2-Dichloroethane	0.2582 0.2486	0.2962 0.2366	0.2792	0.2810	0.2541	Ave		0.2649				8.0		15.0			
n-Butanol	0.0009 0.0006	0.0002 0.0007	0.0006	0.0005	0.0006	Lin	-0.018	0.0007							0.9950		0.9900
1,1,1-Trichloroethane	0.5402 0.6011	0.5949 0.5626	0.5807	0.6059	0.5659	Ave		0.5788				4.1		15.0			
1,1-Dichloropropene	0.3723 0.4431	0.4111 0.4190	0.3955	0.4385	0.4354	Ave		0.4164				6.2		15.0			
Cyclohexane	0.3486 0.4333	0.3960 0.4146	0.3993	0.4315	0.4214	Ave		0.4064				7.2		15.0			
Carbon tetrachloride	0.4736 0.5218	0.4901 0.5081	0.5016	0.5087	0.5015	Ave		0.5008				3.1		15.0			
Benzene	1.1558 1.1221	1.2438 1.0733	1.2057	1.2012	1.1441	Ave		1.1637				5.0		15.0			
2-Nitropropane	0.0519 0.0639	0.0649 0.0665	0.0652	0.0682	0.0642	Ave		0.0636				8.4		15.0			
Tert-amyl methyl ether	0.2488 0.3468	0.3386 0.3650	0.3466	0.3533	0.3454	Ave		0.3349				12.0		15.0			
Ethyl acrylate	0.1186 0.1822	0.1448 0.1735	0.1488	0.1570	0.1392	Ave		0.1520				14.0		15.0			
n-Heptane	0.3245 0.3854	0.3477 0.3611	0.3915	0.3951	0.3847	Ave		0.3700				7.1		15.0			
Dibromomethane	0.0878 0.0721	0.0876 0.0719	0.0860	0.0849	0.0739	Ave		0.0806				9.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2051 0.1972	0.2363 0.1898	0.2220	0.2212	0.2057	Ave		0.2111				7.7		15.0			
Trichloroethene	0.3614 0.3504	0.3729 0.3330	0.3653	0.3607	0.3455	Ave		0.3556				3.8		15.0			
Bromodichloromethane	0.2617 0.2759	0.3096 0.2737	0.2831	0.2778	0.2750	Ave		0.2796				5.3		15.0			
Methyl methacrylate	0.0408 0.0694	0.0558 0.0706	0.0612	0.0704	0.0707	Lin2	-0.031	0.0712							0.9990		0.9900
1,4-Dioxane	0.0008 0.0003	0.0005 0.0003	0.0004	0.0003	0.0003	Lin2	0.0055	0.0003							0.9930		0.9900
2-Chloroethyl vinyl ether	0.1331 0.1856	0.1660 0.1789	0.1640	0.1805	0.1767	Ave		0.1693				10.0		15.0			
Methylcyclohexane	0.3461 0.4814	0.4371 0.4558	0.4537	0.4938	0.4815	Ave		0.4499				11.0		15.0			
cis-1,3-Dichloropropene	0.8507 1.0049	0.9082 0.9760	0.9292	0.9775	0.9579	Ave		0.9435				5.5		15.0			
4-Methyl-2-pentanone (MIBK)	0.0341 0.0514	0.0488 0.0511	0.0491	0.0546	0.0512	Ave		0.0486				14.0		15.0			
trans-1,3-Dichloropropene	0.5084 0.6882	0.5888 0.6815	0.6067	0.6633	0.6297	Ave		0.6238				10.0		15.0			
1,1,2-Trichloroethane	0.3396 0.3167	0.3404 0.3015	0.3479	0.3405	0.3134	Ave		0.3286				5.4		15.0			
Ethyl methacrylate	0.2275 0.3437	0.2627 0.3474	0.2974	0.3236	0.3045	Ave		0.3010				14.0		15.0			
Toluene	2.0235 2.3585	2.1757 2.1406	2.2999	2.4513	2.2576	Ave		2.2439				6.4		15.0			
1,3-Dichloropropane	0.6275 0.5982	0.6876 0.5574	0.6984	0.6874	0.6104	Ave		0.6381				8.5		15.0			
2-Hexanone	0.0702 0.1040	0.0671 0.1047	0.0812	0.0977	0.0944	Lin2	-0.037	0.0986							0.9900		0.9900
Chlorodibromomethane	0.3722 0.4196	0.3980 0.4200	0.3809	0.4078	0.3859	Ave		0.3978				4.8		15.0			
n-Butyl acetate	0.0493 0.0240	0.0345 0.0308	0.0220	0.0229	0.0256	Lin	-0.030	0.0305							0.9920		0.9900
Ethylene Dibromide	0.2434 0.2706	0.3105 0.2677	0.2681	0.2781	0.2633	Ave		0.2717				7.4		15.0			
Tetrachloroethene	0.8681 0.8718	0.8340 0.8257	0.8258	0.8798	0.8100	Ave		0.8450				3.3		15.0			
1-Chlorohexane	0.5640 0.8360	0.6553 0.7712	0.6658	0.8056	0.7653	Ave		0.7233				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.6348 0.6780	0.6804 0.6663	0.6535	0.6928	0.6453	Ave		0.6645				3.1		15.0			
Chlorobenzene	2.0982 2.0496	2.2093 1.9549	2.1657	2.1740	1.9694	Ave		2.0887			0.3000	4.8		15.0			
Ethylbenzene	1.0214 1.3033	1.0898 1.2250	1.1403	1.2628	1.1940	Ave		1.1767				8.4		15.0			
m-Xylene & p-Xylene	2.2567 3.1422	2.4734 2.9755	2.6091	3.0351	2.8983	Ave		2.7700				12.0		15.0			
Bromoform	0.1639 0.1547	0.1921 0.1644	0.1636	0.1632	0.1391	Ave		0.1630			0.1000	9.7		15.0			
Styrene	1.1104 1.7406	1.1546 1.7904	1.2133	1.5196	1.5354	Lin1	-0.577	1.7566							0.9970		0.9900
Cyclohexanone	0.0048 0.0032	0.0027 0.0037	0.0029	0.0033	0.0032	Lin1	-0.008	0.0035							0.9930		0.9900
1,1,2,2-Tetrachloroethane	0.4074 0.2671	0.3610 0.2720	0.3117	0.3230	0.2832	Lin2	0.0673	0.2807		*	0.3000				0.9960		0.9900
o-Xylene	1.0022 1.3834	1.1572 1.3469	1.2719	1.4113	1.3265	Ave		1.2713				11.0		15.0			
trans-1,4-Dichloro-2-butene	0.0914 0.0722	0.0858 0.0761	0.0621	0.0786	0.0726	Ave		0.0770				12.0		15.0			
1,2,3-Trichloropropane	0.1265 0.0892	0.1352 0.0878	0.1141	0.1005	0.0933	Lin1	0.0334	0.0882							0.9980		0.9900
Isopropylbenzene	3.6042 4.4869	3.9440 4.0677	4.0214	4.5936	4.3407	Ave		4.1512				8.3		15.0			
Bromobenzene	0.7849 0.7575	0.8426 0.7243	0.7726	0.8028	0.7376	Ave		0.7746				5.2		15.0			
N-Propylbenzene	0.9658 1.2932	1.0744 1.2231	1.0948	1.3054	1.2217	Ave		1.1683				11.0		15.0			
2-Chlorotoluene	0.9221 1.0278	1.0304 0.9844	1.0076	1.0438	0.9981	Ave		1.0020				4.1		15.0			
4-Chlorotoluene	2.3593 2.9911	2.8136 2.8157	2.9383	3.1833	2.9479	Ave		2.8642				8.9		15.0			
1,3,5-Trimethylbenzene	2.8904 3.9535	3.3607 3.7245	3.6820	3.9686	3.7637	Ave		3.6205				11.0		15.0			
Pentachloroethane	0.3715 0.4362	0.4164 0.4494	0.3994	0.3882	0.4042	Ave		0.4093				6.6		15.0			
tert-Butylbenzene	2.5173 3.7094	3.0000 3.4812	2.9981	3.5853	3.3975	Ave		3.2413				13.0		15.0			
1,2,4-Trimethylbenzene	2.7629 3.9468	3.3466 3.7432	3.5542	3.9835	3.8097	Ave		3.5924				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl chloride	0.7308 0.8852	0.8159 0.8194	0.8739	0.8810	0.8365	Ave		0.8347				6.5		15.0			
sec-Butylbenzene	4.0249 5.2170	4.5786 4.8201	4.6684	5.0954	4.9523	Ave		4.7652				8.3		15.0			
1,3-Dichlorobenzene	1.9090 1.9436	2.0759 1.8683	2.0477	2.0492	1.9063	Ave		1.9714				4.3		15.0			
1,4-Dichlorobenzene	2.1165 1.9278	2.1980 1.8818	2.1054	2.0612	1.8980	Ave		2.0269				6.1		15.0			
p-Isopropyltoluene	4.2736 4.9886	4.5975 4.6770	4.6317	4.8795	4.6739	Ave		4.6745				4.9		15.0			
1,2,3-Trimethylbenzene	2.8411 3.4894	3.1833 3.3292	3.2700	3.5541	3.4365	Ave		3.3005				7.3		15.0			
1,2-Dichlorobenzene	1.4978 1.4979	1.5298 1.4425	1.5364	1.5839	1.4814	Ave		1.5100				3.0		15.0			
n-Butylbenzene	3.4766 4.2936	3.4931 3.8670	3.8333	4.2619	4.1351	Ave		3.9086				8.7		15.0			
1,2-Dibromo-3-Chloropropane	0.0857 0.0491	0.0727 0.0521	0.0606	0.0539	0.0456	Lin2	0.0193	0.0493							0.9940		0.9900
1,2,4-Trichlorobenzene	1.5953 1.4881	1.4839 1.4168	1.4527	1.5261	1.4422	Ave		1.4864				4.0		15.0			
1,3,5-Trichlorobenzene	1.0284 1.0021	1.0623 0.9654	0.9806	1.0174	0.9756	Ave		1.0045				3.4		15.0			
Naphthalene	1.0892 1.1330	0.9446 1.1565	0.9638	1.0683	1.0725	Ave		1.0611				7.5		15.0			
Hexachlorobutadiene	0.4198 0.3770	0.4215 0.3339	0.3720	0.3706	0.3678	Ave		0.3803				8.1		15.0			
1,2,3-Trichlorobenzene	0.9040 0.7098	0.7573 0.6954	0.7157	0.7519	0.7116	Ave		0.7494				9.6		15.0			
Dibromofluoromethane	0.2724 0.2397	0.2668 0.2294	0.2625	0.2588	0.2393	Ave		0.2527				6.5		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2657 0.2091	0.2508 0.1977	0.2363	0.2309	0.2131	Ave		0.2291				11.0		15.0			
Toluene-d8 (Surr)	2.8068 3.3735	2.9664 3.0929	3.0952	3.2967	3.1641	Ave		3.1137				6.2		15.0			
4-Bromofluorobenzene	1.1354 0.9290	1.0750 0.8717	1.0041	1.0213	0.9440	Ave		0.9972				9.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-156115/2	A04601A.D
Level 2	IC 600-156115/3	A04602A.D
Level 3	IC 600-156115/4	A04603.D
Level 4	IC 600-156115/5	A04604.D
Level 5	ICIS 600-156115/6	A04605.D
Level 6	IC 600-156115/7	A04606.D
Level 7	IC 600-156115/8	A04607.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	16457 706512	31748 1893436	62415	167396	344859	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chloromethane	FB	Ave	7821 292948	13267 826509	23895	63669	142008	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	9010 368140	16869 1059659	31828	83818	179890	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Butadiene	FB	Ave	10248 499357	21159 1418621	40384	107319	237124	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylene oxide	FB	Lin2	7823 191283	12148 553114	22486	49987	93871	5.00 200	10.0 500	20.0	50.0	100
Bromomethane	FB	Ave	5990 237999	10376 682113	18944	50583	113511	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethanol	FB	Lin	2194 22710	1331 64306	3486	6951	11811	25.0 1000	50.0 2500	100	250	500
Chloroethane	FB	Ave	4898 194685	9913 562476	17804	48450	101144	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dichlorofluoromethane	FB	Ave	19198 715822	38042 2002810	69458	174517	363627	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Acrolein	FB	Lin2	2105 46841	2797 125129	5536	12337	22049	2.50 100	5.00 250	10.0	25.0	50.0
Acetonitrile	FB	Ave	1939 70557	4580 197943	8249	19994	36692	5.00 200	10.0 500	20.0	50.0	100
Trichlorofluoromethane	FB	Ave	25002 1049609	51500 2717474	95724	252792	526316	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl alcohol	FB	Lin1	2590 30769	2376 81216	4445	8870	16441	5.00 200	10.0 500	20.0	50.0	100
Acetone	FB	Lin1	3771 53702	4502 152188	8413	16422	28748	1.00 40.0	2.00 100	4.00	10.0	20.0
Ethyl ether	FB	Lin1	4421 138344	10332 403650	16018	36329	67003	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
t-Butanol	FB	Lin2	4231 107896	6735 290724	11288	27841	50596	5.00 200	10.0 500	20.0	50.0	100
1,1-Dichloroethene	FB	Ave	11955 517267	25538 1337805	44709	107331	225268	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	7578 329665	16036 817982	29912	74409	153905	5.00 200	10.0 500	20.0	50.0	100
Iodomethane	FB	Lin1	9909 469717	15214 1565156	30889	106776	222136	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methylene Chloride	FB	Lin2	27910 384591	33599 1022073	52048	107974	191972	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methyl acetate	FB	Ave	16812 682668	38197 1935864	77105	177007	337921	2.50 100	5.00 250	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	14036 554569	30279 1477263	57186	128764	249318	0.500 20.0	1.00 50.0	2.00	5.00	10.0
3-Chloro-1-propene	FB	Ave	5898 275801	12317 741568	25993	62482	126342	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Carbon disulfide	FB	Ave	40282 1574898	77975 3945797	152138	378083	728477	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	15239 578706	27895 1562059	55644	133313	264391	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methyl tert-butyl ether	FB	Ave	14070 680084	33387 1989099	68930	167963	324050	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Propionitrile	FB	Ave	3492 123708	5851 325884	13909	34690	61319	5.00 200	10.0 500	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	26089 1017703	53123 2704970	105775	251975	484166	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl acetate	FB	Ave	7320 402576	17292 1186305	36472	95113	191438	1.00 40.0	2.00 100	4.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	18650 1007816	42092 2664745	84463	223898	455777	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Hexane	FB	Ave	15525 775618	37790 2031458	77854	191250	371199	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	24284 1226616	62531 3297075	135607	320706	603688	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	1150 36133	1857 98794	4544	10238	17936	1.00 40.0	2.00 100	4.00	10.0	20.0
Methacrylonitrile	FB	Ave	3697 179757	8895 501624	21489	48199	92629	5.00 200	10.0 500	20.0	50.0	100
cis-1,2-Dichloroethene	FB	Ave	13688 543435	29392 1473706	58637	133443	259575	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acetate	FB	Lin1	294 10759	281 35987	1076	3042	5031	1.00 40.0	2.00 100	4.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromochloromethane	FB	Ave	4996 172590	9160 486097	18942	43706	80711	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chloroform	FB	Ave	27431 1024917	57774 2733663	109199	256213	486089	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tert-butyl ethyl ether	FB	Ave	17768 968729	45866 2782302	94643	226601	452936	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	5842 201173	12328 570008	25098	55005	105897	12.5 500	25.0 1250	50.0	125	250
2,2-Dichloropropane	FB	Ave	21703 1137389	50274 3020176	101470	255887	497400	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Lin1	1958 53990	3927 158818	6521	12199	25643	1.00 40.0	2.00 100	4.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	12292 486962	27926 1303431	53103	125506	238559	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butanol	FB	Lin	1122 28658	546 96599	3069	5993	12960	12.5 500	25.0 1250	50.0	125	250
1,1,1-Trichloroethane	FB	Ave	25713 1177575	56087 3098764	110457	270591	531199	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	17721 868012	38756 2308121	75233	195855	408662	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexane	FB	Ave	16594 848815	37330 2283897	75955	192715	395581	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	22545 1022174	46203 2798895	95418	227196	470727	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Benzene	FB	Ave	55014 2198229	117257 5912128	229351	536471	1073975	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Nitropropane	FB	Ave	4940 250345	12246 733096	24812	60914	120539	1.00 40.0	2.00 100	4.00	10.0	20.0
Tert-amyl methyl ether	FB	Ave	11842 679458	31925 2010448	65924	157776	324177	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acrylate	FB	Ave	5644 356998	13653 955503	28296	70101	130701	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Heptane	FB	Ave	15445 755040	32777 1988850	74468	176452	361117	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	4181 141222	8257 396173	16354	37905	69383	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	9762 386375	22279 1045717	42232	98795	193086	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	17204 686428	35158 1834281	69488	161080	324275	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromodichloromethane	FB	Ave	12458 540549	29185 1507830	53858	124083	258106	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl methacrylate	FB	Lin2	3886 271821	10522 778039	23298	62921	132675	1.00 40.0	2.00 100	4.00	10.0	20.0
1,4-Dioxane	FB	Lin2	794 10730	951 30997	1515	2966	5394	10.0 400	20.0 1000	40.0	100	200
2-Chloroethyl vinyl ether	CBZ	Ave	3340 194633	8996 538462	17439	44862	93240	1.00 40.0	2.00 100	4.00	10.0	20.0
Methylcyclohexane	FB	Ave	16472 943042	41205 2510568	86311	220553	451991	0.500 20.0	1.00 50.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Ave	10674 527027	24607 1468625	49391	121488	252715	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	3249 201249	9194 562534	18688	48779	96124	1.00 40.0	2.00 100	4.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	6379 360946	15953 1025446	32245	82444	166128	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	4261 166071	9224 453653	18494	42325	82676	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Ave	2855 180243	7119 522787	15805	40226	80342	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene	CBZ	Ave	25389 1236942	58952 3220973	122245	304673	595598	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	7873 313737	18631 838636	37119	85431	161037	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Hexanone	CBZ	Lin2	1762 109039	3634 315213	8627	24282	49785	1.00 40.0	2.00 100	4.00	10.0	20.0
Chlorodibromomethane	CBZ	Ave	4670 220042	10784 632007	20247	50680	101796	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butyl acetate	CBZ	Lin	618 12610	936 46325	1169	2844	6743	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	3054 141928	8412 402796	14249	34559	69453	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	10892 457199	22598 1242369	43892	109354	213676	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	7076 438451	17756 1160330	35389	100122	201888	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7965 355559	18436 1002574	34736	86109	170249	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	26326 1074896	59862 2941515	115111	270198	519553	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	12816 683495	29529 1843193	60610	156956	314995	0.500 20.0	1.00 50.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	28315 1647955	67017 4477149	138676	377225	764605	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	DCB	Ave	1528 76012	3904 252147	7054	17270	32063	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Styrene	CBZ	Lin1	13932 912835	31284 2694036	64489	188869	405056	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Lin1	3018 84154	3721 277365	7679	20387	42092	25.0 1000	50.0 2500	100	250	500
1,1,2,2-Tetrachloroethane	DCB	Lin2	3798 131255	7337 417286	13443	34184	65274	0.500 20.0	1.00 50.0	2.00	5.00	10.0
o-Xylene	CBZ	Ave	12575 725527	31354 2026597	67603	175404	349954	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	852 35496	1744 116712	2677	8314	16732	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Lin1	1179 43833	2748 134743	4921	10636	21497	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	33599 2204896	80170 6239794	173428	486137	1000548	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	7317 372251	17127 1111142	33321	84962	170018	0.500 20.0	1.00 50.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	9003 635502	21840 1876205	47213	138150	281596	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	8596 505059	20945 1510116	43453	110469	230064	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	21994 1469846	57192 4319206	126719	336881	679506	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	26945 1942751	68312 5713282	158789	419988	867537	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Pentachloroethane	DCB	Ave	3463 214370	8464 689377	17223	41087	93168	0.500 20.0	1.00 50.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	23467 1822837	60981 5340094	129296	379427	783129	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	25756 1939502	68025 5741995	153280	421572	878154	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Benzyl chloride	DCB	Ave	6813 435007	16584 1256893	37689	93238	192813	0.500 20.0	1.00 50.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	37521 2563660	93069 7393970	201331	539235	1141514	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	17796 955114	42196 2866031	88310	216869	439416	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	19730 947341	44678 2886653	90800	218131	437491	0.500 20.0	1.00 50.0	2.00	5.00	10.0
p-Isopropyltoluene	DCB	Ave	39839 2451433	93453 7174537	199748	516392	1077349	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-110504-1 Analy Batch No.: 156115

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2015 11:12 Calibration End Date: 02/17/2015 13:39 Calibration ID: 5958

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCB	Ave	26485 1714714	64706 5107017	141022	376128	792112	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	13963 736075	31096 2212816	66259	167626	341459	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	32410 2109887	71003 5931986	165316	451027	953147	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin2	799 24151	1477 79959	2612	5707	10502	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	14872 731266	30163 2173344	62649	161503	332421	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trichlorobenzene	DCB	Ave	9587 492439	21593 1480937	42291	107666	224884	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	10154 556742	19201 1774042	41567	113053	247215	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	3913 185247	8567 512235	16041	39216	84782	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	8427 348823	15393 1066720	30864	79572	164036	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dibromofluoromethane	FB	Ave	12968 469466	25149 1263826	49938	115590	224592	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	12647 409540	23648 1089130	44951	103141	200043	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene-d8 (Surr)	CBZ	Ave	35217 1769229	80375 4653764	164518	409749	834731	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Bromofluorobenzene	DCB	Ave	10584 456531	21851 1337155	43302	108079	217596	0.500 20.0	1.00 50.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc² ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Lab Sample ID: CCVIS 600-161352/2 Calibration Date: 04/30/2015 10:20

Instrument ID: CHVOAMS07 Calib Start Date: 02/17/2015 11:12

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/17/2015 13:39

Lab File ID: A12002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3510	0.3178		9.05	10.0	-9.5	35.0
Chloromethane	Ave	0.1463	0.1772	0.1000	12.1	10.0	21.1	35.0
Vinyl chloride	Ave	0.1850	0.1799		9.72	10.0	-2.8	20.0
Butadiene	Ave	0.2368	0.2216		9.36	10.0	-6.4	35.0
Ethylene oxide	Lin2		0.0091		88.6	100	-11.4	50.0
Bromomethane	Ave	0.1164	0.1398		12.0	10.0	20.1	35.0
Ethanol	Lin		0.0005		962	500	92.3*	35.0
Chloroethane	Ave	0.1028	0.1189		11.6	10.0	15.7	35.0
Dichlorofluoromethane	Ave	0.3827	0.4042		10.6	10.0	5.6	35.0
Acrolein	Lin2		0.0043		44.2	50.0	-11.6	50.0
Acetonitrile	Ave	0.0041	0.0058		140	100	40.2	50.0
Trichlorofluoromethane	Ave	0.5329	0.5154		9.67	10.0	-3.3	35.0
Isopropyl alcohol	Lin1		0.0028		180	100	80.0*	50.0
Acetone	Lin1		0.0189		25.8	20.0	28.9	50.0
Ethyl ether	Lin1		0.0957		13.0	10.0	30.0	50.0
t-Butanol	Lin2		0.0063		114	100	14.2	35.0
1,1-Dichloroethene	Ave	0.2492	0.2836		11.4	10.0	13.8	20.0
Acrylonitrile	Ave	0.0162	0.0169		104	100	4.1	50.0
Iodomethane	Lin1		0.3266		12.5	10.0	24.9	35.0
Methylene Chloride	Lin2		0.2254		11.2	10.0	11.8	50.0
Methyl acetate	Ave	0.0749	0.0609		40.7	50.0	-18.7	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2888	0.2952		10.2	10.0	2.2	35.0
3-Chloro-1-propene	Ave	0.1344	0.1404		10.5	10.0	4.5	35.0
Carbon disulfide	Ave	0.8023	0.7817		9.74	10.0	-2.6	35.0
trans-1,2-Dichloroethene	Ave	0.2954	0.3201		10.8	10.0	8.4	35.0
Methyl tert-butyl ether	Ave	0.3488	0.3604		10.3	10.0	3.3	35.0
Propionitrile	Ave	0.0068	0.0070		103	100	3.1	35.0
1,1-Dichloroethane	Ave	0.5369	0.4909	0.1000	9.14	10.0	-8.6	35.0
Vinyl acetate	Ave	0.0976	0.0949		19.4	20.0	-2.8	50.0
2-Chloro-1,3-butadiene	Ave	0.4668	0.4622		9.90	10.0	-1.0	35.0
Hexane	Ave	0.3892	0.3548		9.12	10.0	-8.8	35.0
2-Butanone (MEK)	Ave	0.0104	0.0093		17.8	20.0	-10.8	50.0
Isopropyl ether	Ave	0.6389	0.6273		9.82	10.0	-1.8	35.0
Methacrylonitrile	Ave	0.0096	0.0101		105	100	5.1	35.0
cis-1,2-Dichloroethene	Ave	0.2897	0.2995		10.3	10.0	3.4	35.0
Ethyl acetate	Lin1		0.0366		236	20.0	1079.1*	35.0
Bromochloromethane	Ave	0.0946	0.1011		10.7	10.0	6.9	35.0
Chloroform	Ave	0.5535	0.4876		8.81	10.0	-11.9	20.0
Isobutyl alcohol	Ave	0.0047	0.0043		228	250	-8.7	50.0
Tert-butyl ethyl ether	Ave	0.4781	0.4937		10.3	10.0	3.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-161352/2 Calibration Date: 04/30/2015 10:20
 Instrument ID: CHVOAMS07 Calib Start Date: 02/17/2015 11:12
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/17/2015 13:39
 Lab File ID: A12002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.5363	0.4950		9.23	10.0	-7.7	35.0
Tetrahydrofuran	Lin1		0.0147		20.5	20.0	2.4	35.0
1,2-Dichloroethane	Ave	0.2649	0.2203		8.32	10.0	-16.8	35.0
1,1,1-Trichloroethane	Ave	0.5788	0.5448		9.41	10.0	-5.9	35.0
1,1-Dichloropropene	Ave	0.4164	0.4201		10.1	10.0	0.9	35.0
Cyclohexane	Ave	0.4064	0.4286		10.6	10.0	5.5	35.0
Carbon tetrachloride	Ave	0.5008	0.4800		9.59	10.0	-4.2	35.0
Benzene	Ave	1.164	1.109		9.53	10.0	-4.7	35.0
2-Nitropropane	Ave	0.0636	0.0599		18.9	20.0	-5.8	35.0
Tert-amyl methyl ether	Ave	0.3349	0.3629		10.8	10.0	8.4	35.0
Ethyl acrylate	Ave	0.1520	0.1392		9.16	10.0	-8.4	35.0
n-Heptane	Ave	0.3700	0.3178		8.59	10.0	-14.1	35.0
Dibromomethane	Ave	0.0806	0.0739		9.17	10.0	-8.3	35.0
1,2-Dichloropropane	Ave	0.2111	0.1979		9.38	10.0	-6.2	20.0
Trichloroethene	Ave	0.3556	0.3643		10.3	10.0	2.5	35.0
Bromodichloromethane	Ave	0.2796	0.2655		9.50	10.0	-5.0	35.0
Methyl methacrylate	Lin2		0.0689		19.8	20.0	-1.1	50.0
1,4-Dioxane	Lin2		0.0004		277	200	38.4	50.0
2-Chloroethyl vinyl ether	Ave	0.1693	0.1712		20.2	20.0	1.1	35.0
Methylcyclohexane	Ave	0.4499	0.4439		9.87	10.0	-1.3	35.0
cis-1,3-Dichloropropene	Ave	0.9435	0.8925		9.46	10.0	-5.4	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0486	0.0511		21.0	20.0	5.1	50.0
trans-1,3-Dichloropropene	Ave	0.6238	0.5961		9.56	10.0	-4.4	35.0
1,1,2-Trichloroethane	Ave	0.3286	0.3181		9.68	10.0	-3.2	35.0
Ethyl methacrylate	Ave	0.3010	0.3038		10.1	10.0	0.9	50.0
Toluene	Ave	2.244	2.214		9.87	10.0	-1.4	20.0
1,3-Dichloropropane	Ave	0.6381	0.5867		9.20	10.0	-8.1	35.0
2-Hexanone	Lin2		0.0979		20.2	20.0	1.2	50.0
Chlorodibromomethane	Ave	0.3978	0.3771		9.48	10.0	-5.2	35.0
n-Butyl acetate	Lin		0.1586		52.9	10.0	429.3*	35.0
Ethylene Dibromide	Ave	0.2717	0.2738		10.1	10.0	0.8	35.0
Tetrachloroethene	Ave	0.8450	0.8126		9.62	10.0	-3.8	35.0
1-Chlorohexane	Ave	0.7233	0.6703		9.27	10.0	-7.3	35.0
1,1,1,2-Tetrachloroethane	Ave	0.6645	0.6326		9.52	10.0	-4.8	35.0
Chlorobenzene	Ave	2.089	1.987	0.3000	9.51	10.0	-4.9	35.0
Ethylbenzene	Ave	1.177	1.208		10.3	10.0	2.7	20.0
m-Xylene & p-Xylene	Ave	2.770	2.754		9.94	10.0	-0.6	35.0
Bromoform	Ave	0.1630	0.1467	0.1000	9.00	10.0	-10.0	35.0
Styrene	Lin1		1.555		9.18	10.0	-8.2	35.0
Cyclohexanone	Lin1		0.0038		549	500	9.7	50.0
1,1,2,2-Tetrachloroethane	Lin2		0.3123	0.3000	10.9	10.0	8.9	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-161352/2 Calibration Date: 04/30/2015 10:20
 Instrument ID: CHVOAMS07 Calib Start Date: 02/17/2015 11:12
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 02/17/2015 13:39
 Lab File ID: A12002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.271	1.264		9.94	10.0	-0.6	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0770	0.0578		7.51	10.0	-24.9	50.0
1,2,3-Trichloropropane	Lin1		0.0961		10.5	10.0	5.2	35.0
Isopropylbenzene	Ave	4.151	4.259		10.3	10.0	2.6	35.0
Bromobenzene	Ave	0.7746	0.7758		10.0	10.0	0.2	35.0
N-Propylbenzene	Ave	1.168	1.202		10.3	10.0	2.8	35.0
2-Chlorotoluene	Ave	1.002	0.9818		9.80	10.0	-2.0	35.0
4-Chlorotoluene	Ave	2.864	2.742		9.57	10.0	-4.3	35.0
1,3,5-Trimethylbenzene	Ave	3.620	3.340		9.22	10.0	-7.8	35.0
tert-Butylbenzene	Ave	3.241	3.096		9.55	10.0	-4.5	35.0
1,2,4-Trimethylbenzene	Ave	3.592	3.322		9.25	10.0	-7.5	35.0
Benzyl chloride	Ave	0.8347	0.6801		8.15	10.0	-18.5	35.0
sec-Butylbenzene	Ave	4.765	4.237		8.89	10.0	-11.1	35.0
1,3-Dichlorobenzene	Ave	1.971	1.735		8.80	10.0	-12.0	35.0
1,4-Dichlorobenzene	Ave	2.027	1.671		8.25	10.0	-17.5	35.0
p-Isopropyltoluene	Ave	4.675	3.952		8.46	10.0	-15.4	35.0
1,2,3-Trimethylbenzene	Ave	3.301	3.072		9.31	10.0	-6.9	35.0
1,2-Dichlorobenzene	Ave	1.510	1.339		8.87	10.0	-11.3	35.0
n-Butylbenzene	Ave	3.909	3.252		8.32	10.0	-16.8	35.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0544		10.7	10.0	6.5	35.0
1,2,4-Trichlorobenzene	Ave	1.486	1.134		7.63	10.0	-23.7	35.0
1,3,5-Trichlorobenzene	Ave	1.005	0.9771		9.73	10.0	-2.7	35.0
Naphthalene	Ave	1.061	1.333		12.6	10.0	25.6	35.0
Hexachlorobutadiene	Ave	0.3803	0.3534		9.29	10.0	-7.1	35.0
1,2,3-Trichlorobenzene	Ave	0.7494	0.6908		9.22	10.0	-7.8	35.0
Dibromofluoromethane	Ave	0.2527	0.2499		9.89	10.0	-1.1	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2291	0.1807		7.89	10.0	-21.1	35.0
Toluene-d8 (Surr)	Ave	3.114	3.114		10.0	10.0	0.0	35.0
4-Bromofluorobenzene	Ave	0.997	0.9242		9.27	10.0	-7.3	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-161352/5

Matrix: Water Lab File ID: A12004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 11:56

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.176	U	1.00	0.176
108-86-1	Bromobenzene	0.195	U	1.00	0.195
74-97-5	Bromochloromethane	0.162	U	1.00	0.162
75-27-4	Bromodichloromethane	0.153	U	1.00	0.153
75-25-2	Bromoform	0.151	U	1.00	0.151
74-83-9	Bromomethane	0.250	U	2.00	0.250
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
56-23-5	Carbon tetrachloride	0.183	U	1.00	0.183
108-90-7	Chlorobenzene	0.185	U	1.00	0.185
124-48-1	Chlorodibromomethane	0.119	U	1.00	0.119
75-00-3	Chloroethane	0.240	U	2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	0.151	U	1.00	0.151
74-87-3	Chloromethane	0.209	U	2.00	0.209
95-49-8	2-Chlorotoluene	0.226	U	1.00	0.226
106-43-4	4-Chlorotoluene	0.210	U	1.00	0.210
156-59-2	cis-1,2-Dichloroethene	0.157	U	1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
74-95-3	Dibromomethane	0.520	U	1.00	0.520
95-50-1	1,2-Dichlorobenzene	0.153	U	1.00	0.153
541-73-1	1,3-Dichlorobenzene	0.210	U	1.00	0.210
106-46-7	1,4-Dichlorobenzene	0.176	U	1.00	0.176
75-71-8	Dichlorodifluoromethane	0.859	U	1.00	0.859
75-34-3	1,1-Dichloroethane	0.168	U	1.00	0.168
107-06-2	1,2-Dichloroethane	0.116	U	1.00	0.116
75-35-4	1,1-Dichloroethene	0.192	U	1.00	0.192
78-87-5	1,2-Dichloropropane	0.136	U	1.00	0.136
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
594-20-7	2,2-Dichloropropane	0.258	U	1.00	0.258
563-58-6	1,1-Dichloropropene	0.191	U	1.00	0.191
100-41-4	Ethylbenzene	0.212	U	1.00	0.212
106-93-4	Ethylene Dibromide	0.111	U	1.00	0.111
87-68-3	Hexachlorobutadiene	0.215	U	1.00	0.215
98-82-8	Isopropylbenzene	0.241	U	1.00	0.241
75-09-2	Methylene Chloride	0.176	U	5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-161352/5

Matrix: Water Lab File ID: A12004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 11:56

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.105	U	1.00	0.105
179601-23-1	m-Xylene & p-Xylene	0.205	U	1.00	0.205
91-20-3	Naphthalene	0.129	U	2.00	0.129
104-51-8	n-Butylbenzene	0.212	U	1.00	0.212
103-65-1	N-Propylbenzene	0.230	U	1.00	0.230
95-47-6	o-Xylene	0.192	U	1.00	0.192
99-87-6	p-Isopropyltoluene	0.228	U	1.00	0.228
135-98-8	sec-Butylbenzene	0.224	U	1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	0.216	U	1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	0.178	U	1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197
127-18-4	Tetrachloroethene	0.514	U	1.00	0.514
108-88-3	Toluene	0.198	U	1.00	0.198
156-60-5	trans-1,2-Dichloroethene	0.192	U	1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	0.137	U	1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	0.177	U	1.00	0.177
71-55-6	1,1,1-Trichloroethane	0.209	U	1.00	0.209
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
79-01-6	Trichloroethene	0.138	U	1.00	0.138
75-69-4	Trichlorofluoromethane	0.244	U	1.00	0.244
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	0.215	U	1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	0.210	U	1.00	0.210
75-01-4	Vinyl chloride	0.248	U	2.00	0.248
1330-20-7	Xylenes, Total	0.366	U	2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	88		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		50-134
2037-26-5	Toluene-d8 (Surr)	87		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-161352/3

Matrix: Water Lab File ID: A12002A.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 11:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	8.728		1.00	0.176
108-86-1	Bromobenzene	9.421		1.00	0.195
74-97-5	Bromochloromethane	9.985		1.00	0.162
75-27-4	Bromodichloromethane	9.016		1.00	0.153
75-25-2	Bromoform	8.915		1.00	0.151
74-83-9	Bromomethane	10.39		2.00	0.250
78-93-3	2-Butanone (MEK)	17.93		2.00	0.760
56-23-5	Carbon tetrachloride	8.750		1.00	0.183
108-90-7	Chlorobenzene	8.973		1.00	0.185
124-48-1	Chlorodibromomethane	8.979		1.00	0.119
75-00-3	Chloroethane	10.98		2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	19.15		2.00	0.500
67-66-3	Chloroform	8.298		1.00	0.151
74-87-3	Chloromethane	10.76		2.00	0.209
95-49-8	2-Chlorotoluene	9.367		1.00	0.226
106-43-4	4-Chlorotoluene	9.071		1.00	0.210
156-59-2	cis-1,2-Dichloroethene	9.521		1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	8.836		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	9.360		1.00	0.810
74-95-3	Dibromomethane	8.737		1.00	0.520
95-50-1	1,2-Dichlorobenzene	8.611		1.00	0.153
541-73-1	1,3-Dichlorobenzene	8.517		1.00	0.210
106-46-7	1,4-Dichlorobenzene	8.098		1.00	0.176
75-71-8	Dichlorodifluoromethane	7.661		1.00	0.859
75-34-3	1,1-Dichloroethane	8.716		1.00	0.168
107-06-2	1,2-Dichloroethane	7.968		1.00	0.116
75-35-4	1,1-Dichloroethene	9.291		1.00	0.192
78-87-5	1,2-Dichloropropane	8.836		1.00	0.136
142-28-9	1,3-Dichloropropane	8.584		1.00	0.220
594-20-7	2,2-Dichloropropane	8.426		1.00	0.258
563-58-6	1,1-Dichloropropene	9.556		1.00	0.191
100-41-4	Ethylbenzene	9.529		1.00	0.212
106-93-4	Ethylene Dibromide	9.736		1.00	0.111
87-68-3	Hexachlorobutadiene	7.497		1.00	0.215
98-82-8	Isopropylbenzene	9.556		1.00	0.241
75-09-2	Methylene Chloride	10.22		5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 600-161352/3
 Matrix: Water Lab File ID: A12002A.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 11:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	10.18		1.00	0.105
179601-23-1	m-Xylene & p-Xylene	9.299		1.00	0.205
91-20-3	Naphthalene	10.22		2.00	0.129
104-51-8	n-Butylbenzene	7.807		1.00	0.212
103-65-1	N-Propylbenzene	9.414		1.00	0.230
95-47-6	o-Xylene	9.479		1.00	0.192
99-87-6	p-Isopropyltoluene	8.011		1.00	0.228
135-98-8	sec-Butylbenzene	8.424		1.00	0.224
100-42-5	Styrene	8.614		1.00	0.175
98-06-6	tert-Butylbenzene	8.898		1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	8.839		1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	11.12		1.00	0.197
127-18-4	Tetrachloroethene	8.796		1.00	0.514
108-88-3	Toluene	9.090		1.00	0.198
156-60-5	trans-1,2-Dichloroethene	9.681		1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	9.205		1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	7.843		1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	7.313		1.00	0.177
71-55-6	1,1,1-Trichloroethane	8.598		1.00	0.209
79-00-5	1,1,2-Trichloroethane	9.435		1.00	0.280
79-01-6	Trichloroethene	9.443		1.00	0.138
75-69-4	Trichlorofluoromethane	9.157		1.00	0.244
96-18-4	1,2,3-Trichloropropane	10.38		1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	8.814		1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	8.646		1.00	0.210
75-01-4	Vinyl chloride	9.226		2.00	0.248
1330-20-7	Xylenes, Total	18.78		2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	100		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	71		50-134
2037-26-5	Toluene-d8 (Surr)	90		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-04232015 MS Lab Sample ID: 600-110504-3 MS
 Matrix: Water Lab File ID: A12009.D
 Analysis Method: 8260B Date Collected: 04/23/2015 18:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 14:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	9.413		1.00	0.176
108-86-1	Bromobenzene	9.472		1.00	0.195
74-97-5	Bromochloromethane	11.26		1.00	0.162
75-27-4	Bromodichloromethane	10.52		1.00	0.153
75-25-2	Bromoform	9.168		1.00	0.151
74-83-9	Bromomethane	9.242		2.00	0.250
78-93-3	2-Butanone (MEK)	19.90		2.00	0.760
56-23-5	Carbon tetrachloride	9.524		1.00	0.183
108-90-7	Chlorobenzene	9.302		1.00	0.185
124-48-1	Chlorodibromomethane	10.19		1.00	0.119
75-00-3	Chloroethane	9.750		2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	9.287		1.00	0.151
74-87-3	Chloromethane	9.515		2.00	0.209
95-49-8	2-Chlorotoluene	9.099		1.00	0.226
106-43-4	4-Chlorotoluene	9.097		1.00	0.210
156-59-2	cis-1,2-Dichloroethene	10.50		1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	9.400		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	11.27		1.00	0.810
74-95-3	Dibromomethane	10.63		1.00	0.520
95-50-1	1,2-Dichlorobenzene	8.882		1.00	0.153
541-73-1	1,3-Dichlorobenzene	8.496		1.00	0.210
106-46-7	1,4-Dichlorobenzene	8.132		1.00	0.176
75-71-8	Dichlorodifluoromethane	7.656		1.00	0.859
75-34-3	1,1-Dichloroethane	10.87		1.00	0.168
107-06-2	1,2-Dichloroethane	9.642		1.00	0.116
75-35-4	1,1-Dichloroethene	13.08		1.00	0.192
78-87-5	1,2-Dichloropropane	9.710		1.00	0.136
142-28-9	1,3-Dichloropropane	9.724		1.00	0.220
594-20-7	2,2-Dichloropropane	9.029		1.00	0.258
563-58-6	1,1-Dichloropropene	10.02		1.00	0.191
100-41-4	Ethylbenzene	9.646		1.00	0.212
106-93-4	Ethylene Dibromide	10.56		1.00	0.111
87-68-3	Hexachlorobutadiene	7.883		1.00	0.215
98-82-8	Isopropylbenzene	9.145		1.00	0.241
75-09-2	Methylene Chloride	10.87		5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-04232015 MS Lab Sample ID: 600-110504-3 MS
 Matrix: Water Lab File ID: A12009.D
 Analysis Method: 8260B Date Collected: 04/23/2015 18:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 14:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	11.83		1.00	0.105
179601-23-1	m-Xylene & p-Xylene	9.591		1.00	0.205
91-20-3	Naphthalene	11.48		2.00	0.129
104-51-8	n-Butylbenzene	7.572		1.00	0.212
103-65-1	N-Propylbenzene	9.084		1.00	0.230
95-47-6	o-Xylene	9.684		1.00	0.192
99-87-6	p-Isopropyltoluene	7.655		1.00	0.228
135-98-8	sec-Butylbenzene	8.044		1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	8.612		1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	9.686		1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	11.88		1.00	0.197
127-18-4	Tetrachloroethene	11.38		1.00	0.514
108-88-3	Toluene	9.157		1.00	0.198
156-60-5	trans-1,2-Dichloroethene	9.913		1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	9.882		1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	8.452		1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	7.190		1.00	0.177
71-55-6	1,1,1-Trichloroethane	9.374		1.00	0.209
79-00-5	1,1,2-Trichloroethane	10.47		1.00	0.280
79-01-6	Trichloroethene	11.09		1.00	0.138
75-69-4	Trichlorofluoromethane	8.629		1.00	0.244
96-18-4	1,2,3-Trichloropropane	11.01		1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	8.778		1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	8.500		1.00	0.210
75-01-4	Vinyl chloride	8.198		2.00	0.248
1330-20-7	Xylenes, Total	19.28		2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	86		67-139
1868-53-7	Dibromofluoromethane	106		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134
2037-26-5	Toluene-d8 (Surr)	84		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-04232015 MSD Lab Sample ID: 600-110504-3 MSD
 Matrix: Water Lab File ID: A12010.D
 Analysis Method: 8260B Date Collected: 04/23/2015 18:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 14:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	8.942		1.00	0.176
108-86-1	Bromobenzene	9.098		1.00	0.195
74-97-5	Bromochloromethane	10.74		1.00	0.162
75-27-4	Bromodichloromethane	10.31		1.00	0.153
75-25-2	Bromoform	8.746		1.00	0.151
74-83-9	Bromomethane	5.920		2.00	0.250
78-93-3	2-Butanone (MEK)	18.83		2.00	0.760
56-23-5	Carbon tetrachloride	9.322		1.00	0.183
108-90-7	Chlorobenzene	9.113		1.00	0.185
124-48-1	Chlorodibromomethane	10.06		1.00	0.119
75-00-3	Chloroethane	2.347		2.00	0.240
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
67-66-3	Chloroform	8.943		1.00	0.151
74-87-3	Chloromethane	4.846		2.00	0.209
95-49-8	2-Chlorotoluene	8.650		1.00	0.226
106-43-4	4-Chlorotoluene	8.492		1.00	0.210
156-59-2	cis-1,2-Dichloroethene	10.06		1.00	0.157
10061-01-5	cis-1,3-Dichloropropene	9.281		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	9.830		1.00	0.810
74-95-3	Dibromomethane	10.35		1.00	0.520
95-50-1	1,2-Dichlorobenzene	8.493		1.00	0.153
541-73-1	1,3-Dichlorobenzene	8.052		1.00	0.210
106-46-7	1,4-Dichlorobenzene	7.783		1.00	0.176
75-71-8	Dichlorodifluoromethane	4.443		1.00	0.859
75-34-3	1,1-Dichloroethane	10.49		1.00	0.168
107-06-2	1,2-Dichloroethane	9.354		1.00	0.116
75-35-4	1,1-Dichloroethene	12.63		1.00	0.192
78-87-5	1,2-Dichloropropane	9.451		1.00	0.136
142-28-9	1,3-Dichloropropane	9.584		1.00	0.220
594-20-7	2,2-Dichloropropane	8.560		1.00	0.258
563-58-6	1,1-Dichloropropene	9.674		1.00	0.191
100-41-4	Ethylbenzene	9.500		1.00	0.212
106-93-4	Ethylene Dibromide	10.87		1.00	0.111
87-68-3	Hexachlorobutadiene	6.797		1.00	0.215
98-82-8	Isopropylbenzene	8.609		1.00	0.241
75-09-2	Methylene Chloride	10.61		5.00	0.176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-110504-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-04232015 MSD Lab Sample ID: 600-110504-3 MSD
 Matrix: Water Lab File ID: A12010.D
 Analysis Method: 8260B Date Collected: 04/23/2015 18:40
 Sample wt/vol: 20 (mL) Date Analyzed: 04/30/2015 14:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 161352 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	11.77		1.00	0.105
179601-23-1	m-Xylene & p-Xylene	9.321		1.00	0.205
91-20-3	Naphthalene	10.78		2.00	0.129
104-51-8	n-Butylbenzene	7.111		1.00	0.212
103-65-1	N-Propylbenzene	8.367		1.00	0.230
95-47-6	o-Xylene	9.471		1.00	0.192
99-87-6	p-Isopropyltoluene	7.187		1.00	0.228
135-98-8	sec-Butylbenzene	7.518		1.00	0.224
100-42-5	Styrene	0.175	U	1.00	0.175
98-06-6	tert-Butylbenzene	7.976		1.00	0.216
630-20-6	1,1,1,2-Tetrachloroethane	9.587		1.00	0.178
79-34-5	1,1,2,2-Tetrachloroethane	10.80		1.00	0.197
127-18-4	Tetrachloroethene	11.36		1.00	0.514
108-88-3	Toluene	9.037		1.00	0.198
156-60-5	trans-1,2-Dichloroethene	9.521		1.00	0.192
10061-02-6	trans-1,3-Dichloropropene	9.836		1.00	0.137
87-61-6	1,2,3-Trichlorobenzene	8.148		1.00	0.570
120-82-1	1,2,4-Trichlorobenzene	6.959		1.00	0.177
71-55-6	1,1,1-Trichloroethane	8.989		1.00	0.209
79-00-5	1,1,2-Trichloroethane	9.946		1.00	0.280
79-01-6	Trichloroethene	10.82		1.00	0.138
75-69-4	Trichlorofluoromethane	2.172		1.00	0.244
96-18-4	1,2,3-Trichloropropane	10.37		1.00	0.290
95-63-6	1,2,4-Trimethylbenzene	8.303		1.00	0.215
108-67-8	1,3,5-Trimethylbenzene	7.962		1.00	0.210
75-01-4	Vinyl chloride	1.982	J	2.00	0.248
1330-20-7	Xylenes, Total	18.79		2.00	0.366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	84		67-139
1868-53-7	Dibromofluoromethane	105		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134
2037-26-5	Toluene-d8 (Surr)	85		70-130

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-110504-1

SDG No.: _____

Instrument ID: CHVOAMS07 Start Date: 02/17/2015 08:34Analysis Batch Number: 156115 End Date: 02/17/2015 13:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-156115/1		02/17/2015 08:34	1	A04600.D	DB-VRX 60 0.25 (mm)
IC 600-156115/2		02/17/2015 11:12	1	A04601A.D	DB-VRX 60 0.25 (mm)
IC 600-156115/3		02/17/2015 11:38	1	A04602A.D	DB-VRX 60 0.25 (mm)
IC 600-156115/4		02/17/2015 12:05	1	A04603.D	DB-VRX 60 0.25 (mm)
IC 600-156115/5		02/17/2015 12:28	1	A04604.D	DB-VRX 60 0.25 (mm)
ICIS 600-156115/6		02/17/2015 12:52	1	A04605.D	DB-VRX 60 0.25 (mm)
IC 600-156115/7		02/17/2015 13:15	1	A04606.D	DB-VRX 60 0.25 (mm)
IC 600-156115/8		02/17/2015 13:39	1	A04607.D	DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-110504-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 04/30/2015 08:47Analysis Batch Number: 161352End Date: 04/30/2015 20:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-161352/1		04/30/2015 08:47	1	A12000.D	DB-VRX 60 0.25 (mm)
CCVIS 600-161352/2		04/30/2015 10:20	1	A12002.D	DB-VRX 60 0.25 (mm)
LCS 600-161352/3		04/30/2015 11:08	1	A12002A.D	DB-VRX 60 0.25 (mm)
MB 600-161352/5		04/30/2015 11:56	1	A12004.D	DB-VRX 60 0.25 (mm)
600-110504-3	ARTESIA-MW34-04232015	04/30/2015 12:23	1	A12005.D	DB-VRX 60 0.25 (mm)
600-110504-4	ARTESIA-MW28-04232015	04/30/2015 12:47	1	A12006.D	DB-VRX 60 0.25 (mm)
600-110504-5	ARTESIA-DUP02-04232015	04/30/2015 13:11	1	A12007.D	DB-VRX 60 0.25 (mm)
600-110504-6	ARTESIA-MW32-04232015	04/30/2015 13:47	1	A12008.D	DB-VRX 60 0.25 (mm)
600-110504-3 MS	ARTESIA-MW34-04232015 MS MS	04/30/2015 14:10	1	A12009.D	DB-VRX 60 0.25 (mm)
600-110504-3 MSD	ARTESIA-MW34-04232015 MSD MSD	04/30/2015 14:34	1	A12010.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 14:58	50		DB-VRX 60 0.25 (mm)
600-110504-7	TRIP BLANK	04/30/2015 15:22	1	A12012.D	DB-VRX 60 0.25 (mm)
600-110504-8	ARTESIA-MW33-04232015	04/30/2015 15:46	1	A12013.D	DB-VRX 60 0.25 (mm)
600-110504-9	ARTESIA-MW29-04232015	04/30/2015 16:10	1	A12014.D	DB-VRX 60 0.25 (mm)
600-110504-10	ARTESIA-MW30-04232015	04/30/2015 16:34	1	A12015.D	DB-VRX 60 0.25 (mm)
600-110504-1	ARTESIA-MW26-04232015	04/30/2015 16:58	1	A12016.D	DB-VRX 60 0.25 (mm)
600-110504-2	ARTESIA-MW31-04232015	04/30/2015 17:22	1	A12017.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 17:46	10		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 18:10	50		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 18:34	1000		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 18:57	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 19:21	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 20:09	20		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 20:33	20		DB-VRX 60 0.25 (mm)
ZZZZZ		04/30/2015 20:57	1000		DB-VRX 60 0.25 (mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Corpus Christi

Job Number: 600-110504-1

SDG No.: _____

Project: Dowell - Artesia Groundwater

Client Sample ID

ARTESIA-MW26-04232015
ARTESIA-MW31-04232015
ARTESIA-MW34-04232015
ARTESIA-MW28-04232015
ARTESIA-DUP02-04232015
ARTESIA-MW32-04232015
ARTESIA-MW29-04232015
ARTESIA-MW30-04232015

Lab Sample ID

600-110504-1
600-110504-2
600-110504-3
600-110504-4
600-110504-5
600-110504-6
600-110504-9
600-110504-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW26-04232015

Lab Sample ID: 600-110504-1

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG ID.:

Matrix: Water

Date Sampled: 04/23/2015 08:25

Reporting Basis: WET

Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0153	0.0500	0.0116	mg/L	J		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW31-04232015

Lab Sample ID: 600-110504-2

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG ID.:

Matrix: Water

Date Sampled: 04/23/2015 08:40

Reporting Basis: WET

Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW34-04232015

Lab Sample ID: 600-110504-3

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG ID.:

Matrix: Water

Date Sampled: 04/23/2015 18:40

Reporting Basis: WET

Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW28-04232015

Lab Sample ID: 600-110504-4

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG ID.:

Matrix: Water

Date Sampled: 04/23/2015 19:30

Reporting Basis: WET

Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-DUP02-04232015 Lab Sample ID: 600-110504-5
Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1
SDG ID.:
Matrix: Water Date Sampled: 04/23/2015 16:15
Reporting Basis: WET Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW32-04232015 Lab Sample ID: 600-110504-6
Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1
SDG ID.:
Matrix: Water Date Sampled: 04/23/2015 10:15
Reporting Basis: WET Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW29-04232015

Lab Sample ID: 600-110504-9

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG ID.:

Matrix: Water

Date Sampled: 04/23/2015 12:40

Reporting Basis: WET

Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0222	0.0500	0.0116	mg/L	J		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW30-04232015

Lab Sample ID: 600-110504-10

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG ID.:

Matrix: Water

Date Sampled: 04/23/2015 13:37

Reporting Basis: WET

Date Received: 04/24/2015 09:39

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

ICV Source: aICV_es1500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00025

Analyte	ICV 560-115390/2 04/30/2015 15:16				CCV 560-115390/16 04/30/2015 16:59				CCV 560-115390/27 04/30/2015 18:26			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	5052		5000	101	2579		2500	103	2488		2500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

ICV Source: aICV_esi500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00025

Analyte	CCV 560-115390/39 04/30/2015 19:54											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	2673		2500	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 560-115390/5 04/30/2015 15:47		CCB 560-115390/17 04/30/2015 17:14		CCB 560-115390/28 04/30/2015 18:42		CCB 560-115390/40 04/30/2015 20:09	
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U	11.6	U	11.6	U	11.6	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 560-115258/1-A

Instrument Code: Micpms Batch No.: 115390

CAS No.	Analyte	Concentration	C	Q	Method
7439-96-5	Manganese, Dissolved	0.0116	U		6020

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG No.: _____

Lab Sample ID: ICSA 560-115390/3

Instrument ID: Micpms

Lab File ID: 013SMPL.D

ICS Source: INT-A_00087

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese, Dissolved		10.9	
Aluminum	250000	244400	98
Antimony		0.549	
Arsenic		0.354	
Barium		3.84	
Beryllium		-0.0153	
Boron		-4.54	
Cadmium		0.0643	
Calcium	250000	251000	100
Chromium		0.355	
Cobalt		0.480	
Copper		12.4	
Iron	100000	92850	93
Lead		0.950	
Lithium		1.96	
Magnesium	250000	242600	97
Molybdenum		0.494	
Nickel		2.19	
Phosphorus		29.4	
Potassium		43.4	
Selenium		1.03	
Silver		0.130	
Sodium		41.0	
Strontium		0.625	
Thallium		0.423	
Tin		0.464	
Titanium		3.66	
Uranium		0.0246	
Vanadium		-0.0324	
Zinc		21.0	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG No.: _____

Lab Sample ID: ICSAB 560-115390/4

Instrument ID: Micpms

Lab File ID: 014SMPL.D

ICS Source: INT-AB_00089

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese, Dissolved	500	491	98
<i>Aluminum</i>	<i>250000</i>	<i>250800</i>	<i>100</i>
<i>Antimony</i>		<i>0.503</i>	
<i>Arsenic</i>		<i>1.49</i>	
<i>Barium</i>	<i>500</i>	<i>505</i>	<i>101</i>
<i>Beryllium</i>	<i>500</i>	<i>515</i>	<i>103</i>
<i>Boron</i>		<i>-3.19</i>	
<i>Cadmium</i>	<i>1000</i>	<i>978</i>	<i>98</i>
<i>Calcium</i>	<i>250000</i>	<i>255900</i>	<i>102</i>
<i>Chromium</i>	<i>500</i>	<i>501</i>	<i>100</i>
<i>Cobalt</i>	<i>500</i>	<i>471</i>	<i>94</i>
<i>Copper</i>	<i>500</i>	<i>461</i>	<i>92</i>
<i>Iron</i>	<i>100000</i>	<i>92190</i>	<i>92</i>
<i>Lithium</i>		<i>1.85</i>	
<i>Magnesium</i>	<i>250000</i>	<i>247100</i>	<i>99</i>
<i>Molybdenum</i>		<i>0.410</i>	
<i>Nickel</i>	<i>1000</i>	<i>943</i>	<i>94</i>
<i>Phosphorus</i>		<i>26.5</i>	
<i>Potassium</i>		<i>139</i>	
<i>Selenium</i>		<i>1.25</i>	
<i>Silicon</i>		<i>1692</i>	
<i>Silver</i>	<i>1000</i>	<i>977</i>	<i>98</i>
<i>Sodium</i>		<i>105</i>	
<i>Strontium</i>		<i>1.09</i>	
<i>Thallium</i>		<i>0.305</i>	
<i>Tin</i>		<i>5.08</i>	
<i>Titanium</i>		<i>3.55</i>	
<i>Vanadium</i>	<i>500</i>	<i>500</i>	<i>100</i>
<i>Zinc</i>	<i>1000</i>	<i>1010</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-MW34-04232015 MS MS

Lab ID: 600-110504-3 MS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Manganese, Dissolved	4.998	0.0116	U 5.00	100	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-MW34-04232015 MSD MSD

Lab ID: 600-110504-3 MSD

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Manganese, Dissolved	5.125	5.00	103	80-120	3	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 560-115258/2-A

Lab Name: TestAmerica Corpus Christi

Job No.: 600-110504-1

Sample Matrix: Water

LCS Source: ESI-spKA_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Manganese, Dissolved	5.00	5.145		103	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 600-110504-3

SDG No: _____

Lab Name: TestAmerica Corpus Christi

Job No: 600-110504-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Manganese, Dissolved	0.0116	U	0.0580	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi

Job Number: 600-110504-1

SDG Number: _____

Matrix: Water

Instrument ID: Micpms

Method: 6020

MDL Date: 05/02/2011 10:33

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Manganese, Dissolved	55	50	11.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-110504-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 XMDL Date: 05/02/2011 10:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Manganese, Dissolved	55	50	11.6

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Corpus Christi

Job No: 600-110504-1

SDG No.: _____

Instrument ID: Micpms

Date: 05/12/2011 15:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Manganese, Dissolved	0.15	50000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 560-115258/1-A	04/28/2015 13:30	115258		50	50
LCS 560-115258/2-A	04/28/2015 13:30	115258		50	50
600-110504-3	04/28/2015 13:30	115258		50	50
600-110504-3 MS	04/28/2015 13:30	115258		50	50
600-110504-3 MSD	04/28/2015 13:30	115258		50	50
600-110504-1	04/28/2015 13:30	115258		50	50
600-110504-2	04/28/2015 13:30	115258		50	50
600-110504-4	04/28/2015 13:30	115258		50	50
600-110504-5	04/28/2015 13:30	115258		50	50
600-110504-6	04/28/2015 13:30	115258		50	50
600-110504-9	04/28/2015 13:30	115258		50	50
600-110504-10	04/28/2015 13:30	115258		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 04/30/2015 15:11 End Date: 05/01/2015 01:58

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
ZZZZZZ			15:11																
ICV 560-115390/2	1		15:16	X															
ICSA 560-115390/3	1		15:32	X															
ICSAB 560-115390/4	1		15:37	X															
ICB 560-115390/5	1		15:47	X															
ZZZZZZ			15:52																
ZZZZZZ			15:58																
ZZZZZZ			16:04																
ZZZZZZ			16:10																
ZZZZZZ			16:15																
ZZZZZZ			16:21																
ZZZZZZ			16:27																
ZZZZZZ			16:33																
MB 560-115258/1-A	1	T	16:38	X															
LCS 560-115258/2-A	1	T	16:43	X															
CCV 560-115390/16	1		16:59	X															
CCB 560-115390/17	1		17:14	X															
600-110504-3	1	D	17:25	X															
600-110504-3 MS	1	D	17:30	X															
600-110504-3 MSD	1	D	17:36	X															
600-110504-3 SD	5	D	17:42	X															
600-110504-1	1	D	17:47	X															
600-110504-2	1	D	17:53	X															
600-110504-4	1	D	17:59	X															
600-110504-5	1	D	18:04	X															
600-110504-6	1	D	18:10	X															
CCV 560-115390/27	1		18:26	X															
CCB 560-115390/28	1		18:42	X															
600-110504-9	1	D	18:47	X															
600-110504-10	1	D	18:53	X															
ZZZZZZ			18:58																
ZZZZZZ			19:04																
ZZZZZZ			19:10																
ZZZZZZ			19:16																
ZZZZZZ			19:21																
ZZZZZZ			19:27																
ZZZZZZ			19:33																
ZZZZZZ			19:38																
CCV 560-115390/39	1		19:54	X															
CCB 560-115390/40	1		20:09	X															
ZZZZZZ			20:20																
ZZZZZZ			20:25																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 04/30/2015 15:11 End Date: 05/01/2015 01:58

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
ZZZZZZ			20:31																
ZZZZZZ			20:37																
ZZZZZZ			20:43																
ZZZZZZ			20:48																
ZZZZZZ			20:54																
ZZZZZZ			20:59																
ZZZZZZ			21:05																
CCV 560-115390/50			21:21																
CCB 560-115390/51			21:37																
ZZZZZZ			21:42																
ZZZZZZ			21:47																
ZZZZZZ			21:53																
ZZZZZZ			21:59																
ZZZZZZ			22:05																
ZZZZZZ			22:11																
ZZZZZZ			22:16																
ZZZZZZ			22:22																
ZZZZZZ			22:28																
ZZZZZZ			22:33																
CCV 560-115390/62			22:49																
CCB 560-115390/63			23:04																
ZZZZZZ			23:10																
ZZZZZZ			23:15																
ZZZZZZ			23:26																
ZZZZZZ			23:31																
ZZZZZZ			23:37																
ZZZZZZ			23:42																
ZZZZZZ			23:47																
ZZZZZZ			23:53																
ZZZZZZ			23:59																
CCV 560-115390/73			00:15																
CCB 560-115390/74			00:31																
ZZZZZZ			00:36																
ZZZZZZ			00:42																
ZZZZZZ			00:47																
ZZZZZZ			00:53																
ZZZZZZ			00:59																
ZZZZZZ			01:05																
ZZZZZZ			01:10																
ZZZZZZ			01:16																
ZZZZZZ			01:22																
ZZZZZZ			01:27																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 04/30/2015 15:11 End Date: 05/01/2015 01:58

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n																	
CCV 560-115390/85			01:43																		
CCB 560-115390/86			01:58																		

Prep Types

D = Dissolved

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/30/2015 End Date: 04/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Y-89	Q
ICV 560-115390/2	15:16	84		97		96		96		90	
ICSA 560-115390/3	15:32	85		95		98		96		94	
ICSAB 560-115390/4	15:37	83		102		101		97		95	
ICB 560-115390/5	15:47	88		111		109		102		102	
MB 560-115258/1-A	16:38	79		90		89		94		101	
LCS 560-115258/2-A	16:43	72		86		84		92		91	
CCV 560-115390/16	16:59	79		93		93		96		99	
CCB 560-115390/17	17:14	87		96		96		100		101	
600-110504-3	17:25	84		97		97		99		97	
600-110504-3 MS	17:30	76		96		95		96		98	
600-110504-3 MSD	17:36	69		92		89		91		97	
600-110504-3 SD	17:42	74		90		88		94		104	
600-110504-1	17:47	67		90		88		91		100	
600-110504-2	17:53	68		88		90		95		106	
600-110504-4	17:59	69		90		90		95		104	
600-110504-5	18:04	69		92		93		97		104	
600-110504-6	18:10	69		95		96		98		104	
CCV 560-115390/27	18:26	89		109		111		117			
CCB 560-115390/28	18:42	90		112		109		112		116	
600-110504-9	18:47	74		105		101		102		102	
600-110504-10	18:53	70		100		99		100		105	
CCV 560-115390/39	19:54			79		79		86		111	
CCB 560-115390/40	20:09	60		81		80		89		113	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/30/2015 End Date: 04/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In/1	Q	Element In/2	Q	Element In/3	Q	Element Tb	Q	Element Ho	Q
ICV 560-115390/2	15:16	92		87		92		93		94	
ICSA 560-115390/3	15:32	89		85		90		93		93	
ICSAB 560-115390/4	15:37	93		82		92		88		86	
ICB 560-115390/5	15:47	105		94		100		96		96	
MB 560-115258/1-A	16:38	107		111		105		106		109	
LCS 560-115258/2-A	16:43	99		100		96		99		102	
CCV 560-115390/16	16:59	107		110		104		105		107	
CCB 560-115390/17	17:14	106		110		107		104		105	
600-110504-3	17:25	95		94		97		98		98	
600-110504-3 MS	17:30	97		96		97		99		101	
600-110504-3 MSD	17:36	100		102		97		100		103	
600-110504-3 SD	17:42	110		113		110		108		111	
600-110504-1	17:47	105		109		101		105		106	
600-110504-2	17:53	106		113		108		111		112	
600-110504-4	17:59	106		109		105		108		109	
600-110504-5	18:04	106		110		104		106		107	
600-110504-6	18:10	109		114		105		107		109	
CCV 560-115390/27	18:26	120		126		127				120	
CCB 560-115390/28	18:42	124		125		121		115		116	
600-110504-9	18:47	106		106		101		100		102	
600-110504-10	18:53	105		109		106		104		107	
CCV 560-115390/39	19:54	120		128		122					
CCB 560-115390/40	20:09	120		126		127					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 04/30/2015 End Date: 04/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 560-115390/2	15:16	84									
ICSA 560-115390/3	15:32	80									
ICSAB 560-115390/4	15:37										
ICB 560-115390/5	15:47	88									
MB 560-115258/1-A	16:38	114									
LCS 560-115258/2-A	16:43	99									
CCV 560-115390/16	16:59	109									
CCB 560-115390/17	17:14	112									
600-110504-3	17:25	94									
600-110504-3 MS	17:30	96									
600-110504-3 MSD	17:36	102									
600-110504-3 SD	17:42	119									
600-110504-1	17:47	112									
600-110504-2	17:53	117									
600-110504-4	17:59	113									
600-110504-5	18:04	112									
600-110504-6	18:10	112									
CCV 560-115390/27	18:26										
CCB 560-115390/28	18:42										
600-110504-9	18:47	99									
600-110504-10	18:53	107									
CCV 560-115390/39	19:54										
CCB 560-115390/40	20:09										

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

Batch Number: 115258 Batch Start Date: 04/28/15 13:30 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 04/28/15 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ESI-spkA 00009	ESI-spkB 00007	
MB 560-115258/1		3010A, 6020		<2	50 mL	50 mL			
LCS 560-115258/2		3010A, 6020		<2	50 mL	50 mL	1 mL	1 mL	
600-110504-D-3	ARTESIA-MW34-042 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-3 MS	ARTESIA-MW34-042 32015 MS	3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	
600-110504-D-3 MSD	ARTESIA-MW34-042 32015 MSD	3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	
600-110504-D-1	ARTESIA-MW26-042 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-2	ARTESIA-MW31-042 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-4	ARTESIA-MW28-042 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-5	ARTESIA-DUP02-04 232015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-6	ARTESIA-MW32-042 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-9	ARTESIA-MW29-042 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-110504-D-10	ARTESIA-MW30-042 32015	3010A, 6020	D	<2	50 mL	50 mL			

Batch Notes	
Lot # of hydrochloric acid	1225669
Lot # of Nitric Acid	1242396
Hot Block ID number	modblock2
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	172
ID number of the thermometer	t215
Digestion Tube/Cup Lot #	1408268
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-110504-1

SDG No.: _____

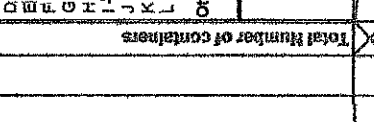
Batch Number: 115258 Batch Start Date: 04/28/15 13:30 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 04/28/15 15:30

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

Client Information Client Contact: Jeffrey Minchak Company: CH2M Hill, Inc. Address: 4041 Jefferson Plaza NE Suite 200 City: Albuquerque State, Zip: NM, 87109 Phone: 281-721-8548(Tel) Email: Jeffrey.Minchak@ch2m.com Project Name: Dowell - Artesia Groundwater Site: Dowell - Artesia Groundwater		Lab P/N: Upton, Cathy L E-Mail: cathy.upton@testamericainc.com Carrier Tracking No(s): FedEx 7805 2437 4477 Page: 1 of 2 Job #:	
Analysis Requested Preservative Codes: A - HCL B - NaOH C - Zn Acetate M - Hexane 600-110504 Chain of Custody Dallas, Ft Worth 		Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=water, BT=butyl, AS=acid) Preservation Code: Field Filtered Sample (Yes or No) Perforated MS/MSD (Yes or No) 6020 - Manganese, Dissolved Total Number of Containers	
Bus Date Requested: TAT Requested (days): PO #: WO #: Project #: SSOW#:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: 4/23/15 1630 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=water, BT=butyl, AS=acid) Preservation Code: Field Filtered Sample (Yes or No) Perforated MS/MSD (Yes or No) 6020 - Manganese, Dissolved Total Number of Containers		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:	

Chain of Custody Record

Client Information Client Contact: Jeffrey Minchak Company: CH2M Hill, Inc. Address: 4041 Jefferson Plaza NE Suite 200 City: Albuquerque State, Zip: NM, 87109 Phone: 281-721-8546 (Tel) Email: Jeffrey.Minchak@ch2m.com Project Name: Dowell - Artesia Groundwater Site: Dowell - Artesia Groundwater		Sampler: Alicea Forsberg Lab PM: Upton, Cathy L Phone: 605-918-1800 E-Mail: cathy.upton@testamerica.com		Carrier Tracking No(s): Ed 6 7805 2937 4477 Page: 2 of 2 Job #:		GOC No: 600-31448-10612.1 Loc: 600	
Due Date Requested: TAT Requested (days): 5		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - AsHClO4 E - Hexane F - None G - AsNaO2 H - NaOH		Date: 11/05/04 Loc: 600	
Sample Identification Sample Date: 4/22/15 Sample Time: 14:15 Sample Type: G Sample Matrix: Water Preservation Code: A		Field Filtered Sample (Yes or No) 6020 - Manganese, Dissolved 6020B - Manganese, Dissolved 6020B - Manganese, Dissolved		Total Number of Containers 1		Special Instructions/QC Requirements:	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab		Archive For Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:		Date/Time: 4/22/15 16:30		Company: CH2M		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: A Yes A No		Custody Seal No.:		Relinquished by:		Date/Time: 4/24/15 9:37	
Relinquished by:		Date/Time:		Company:		Received by:	

Sr

Ipt Checklist

Loc: 600

110504

Date/Time Received: _____

JOB NUMBER: _____

CLIENT: CH2M HillUNPACKED BY: S.B.CARRIER/DRIVER: F.E.P.O.

Custody Seal Present:

☐ YES☒ NONumber of Coolers Received: 1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
<u>RW 010</u>	<u>Y / N</u>	<u>Y / N</u>	<u>1.1</u>	<u>549</u>	<u>-0.1</u>	<u>1.0</u>
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				
	<u>Y / N</u>	<u>Y / N</u>				

CF = correction factor

Samples received on ice? ☒ YES☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED:

☒ NO☐ YESBase samples are > pH 12: ☐ YES ☐ NO

Acid preserved are < pH 2:

☒ YES☐ NOpH paper Lot # HC432654VOA headspace acceptable (5-6mm): ☒ YES ☐ NO ☐ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	☒	☐

COMMENTS:

no
4/24/15

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Login Number: 110504

List Source: TestAmerica Houston

List Number: 1

Creator: Sundquist, Sean V

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	549
Cooler Temperature is recorded.	True	1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-110504-1

Login Number: 110504
List Number: 2
Creator: Contreras, Kristen N

List Source: TestAmerica Corpus Christi
List Creation: 04/28/15 12:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 600-121181-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill, Inc.
3721 Rutledge Rd. NE
Suite B-1
Albuquerque, NM 87109
Attention: Jeffrey Minchak



Approved for release.
Cathy L. Upton
Project Manager I
11/21/2015 4:44 PM

Cathy L. Upton, Project Manager I
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
11/21/2015

cc: Rick Dobbins
Mr. John Ynfante

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CASE NARRATIVE

Client: CH2M Hill, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-121181-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 11/06/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.3° C and 4.6° C.

Receipt Exceptions

One or more containers for the following samples was received broken or leaking: ARTESIA-MW33-11032015 (600-121181-2), ARTESIA-MD03-11032015 (600-121181-11), ARTESIA-OUTLET-11042015 (600-121181-13), and ARTESIA-INLET-11042015 (600-121181-15). 1 vial for each sample was received broken; however, the remaining volume was sufficient for analysis.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TRIP BLANK (600-121181-1), ARTESIA-MW33-11032015 (600-121181-2), ARTESIA-MW32-11032015 (600-121181-3), ARTESIA-MW26-11032015 (600-121181-6), ARTESIA-MW30-11032015 (600-121181-7), ARTESIA-HS29-11032015 (600-121181-8), ARTESIA-MW29-11032015 (600-121181-9), ARTESIA-MW28-11032015 (600-121181-10), ARTESIA-MD03-11032015 (600-121181-11), ARTESIA-MW34-11032015 (600-121181-12), ARTESIA-OUTLET-11042015 (600-121181-13), ARTESIA-MID-11042015 (600-121181-14), ARTESIA-INLET-11042015 (600-121181-15), ARTESIA-MW25-11042015 (600-121181-16), ARTESIA-MD02-11042015 (600-121181-17), ARTESIA-MW22-11042015 (600-121181-18), ARTESIA-HS31-11042015 (600-121181-19), ARTESIA-MW31-11042015 (600-121181-20), ARTESIA-MW21-11042015 (600-121181-21), ARTESIA-MW20-11042015 (600-121181-22), ARTESIA-MW11-11042015 (600-121181-23), ARTESIA-MW08-11042015 (600-121181-24), ARTESIA-MD01-11042015 (600-121181-25), ARTESIA-MW18-11042015 (600-121181-26), ARTESIA-MW07-11042015 (600-121181-27), ARTESIA-MW01-11042015 (600-121181-28), ARTESIA-MW17C-11042015 (600-121181-31), ARTESIA-HS12-11042015 (600-121181-32), ARTESIA-MW12-11042015 (600-121181-33) and ARTESIA-MW15-11042015 (600-121181-34) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/09/2015, 11/10/2015, 11/11/2015, 11/12/2015 and 11/13/2015.

Naphthalene was detected in method blanks MB 600-176238/6 and MB 600-176357/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

n-Butylbenzene failed the recovery criteria high for LCS 600-176238/3. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

2-Chloroethyl vinyl ether failed the recovery criteria low for the MS/MSD of sample ARTESIA-MW01-11042015 (600-121181-28) in batch 600-176120 and the MS/MSD of sample ARTESIA-MW32-11032015 (600-121181-3) in batch 600-175890. This analyte is known to have poor recoveries when preserved with HCL.

Methylene Chloride failed the recovery criteria low for the MSD of sample ARTESIA-MW01-11042015MSD (600-121181-28) in batch 600-176120. Matrix interference is suspected.

Refer to the QC report for details.

The continuing calibration verifications (CCV's) associated with batches 600-175890, 600-176006, 600-176120, 600-176238, and 600-176357 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with these CCVs were non-detects for the affected analyte; therefore, the data have been reported.

Samples ARTESIA-HS12-11042015 (600-121181-32)[10X], ARTESIA-HS12-11042015 (600-121181-32)[100X], ARTESIA-MW12-11042015 (600-121181-33)[10X] and ARTESIA-MW12-11042015 (600-121181-33)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples ARTESIA-MW32-11032015 (600-121181-3), ARTESIA-MW26-11032015 (600-121181-6), ARTESIA-MW30-11032015 (600-121181-7), ARTESIA-HS29-11032015 (600-121181-8), ARTESIA-MW29-11032015 (600-121181-9), ARTESIA-MW28-11032015 (600-121181-10), ARTESIA-MD03-11032015 (600-121181-11), ARTESIA-MW34-11032015 (600-121181-12), ARTESIA-INLET-11042015 (600-121181-15), ARTESIA-MW25-11042015 (600-121181-16), ARTESIA-MD02-11042015 (600-121181-17), ARTESIA-MW22-11042015 (600-121181-18), ARTESIA-HS31-11042015 (600-121181-19), ARTESIA-MW31-11042015 (600-121181-20), ARTESIA-MW21-11042015 (600-121181-21), ARTESIA-MW20-11042015 (600-121181-22), ARTESIA-MD01-11042015 (600-121181-25) and ARTESIA-MW18-11042015 (600-121181-26) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 11/12/2015 and analyzed on 11/13/2015 and 11/14/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-121181-1	TRIP BLANK	Water	11/03/2015 0000	11/06/2015 0848
600-121181-2	ARTESIA-MW33-11032015	Water	11/03/2015 1245	11/06/2015 0848
600-121181-3	ARTESIA-MW32-11032015	Water	11/03/2015 1320	11/06/2015 0848
600-121181-3MS	ARTESIA-MW32-11032015	Water	11/03/2015 1320	11/06/2015 0848
600-121181-3MSD	ARTESIA-MW32-11032015	Water	11/03/2015 1320	11/06/2015 0848
600-121181-6	ARTESIA-MW26-11032015	Water	11/03/2015 1410	11/06/2015 0848
600-121181-7	ARTESIA-MW30-11032015	Water	11/03/2015 1452	11/06/2015 0848
600-121181-8	ARTESIA-HS29-11032015	Water	11/03/2015 1518	11/06/2015 0848
600-121181-9	ARTESIA-MW29-11032015	Water	11/03/2015 1550	11/06/2015 0848
600-121181-10	ARTESIA-MW28-11032015	Water	11/03/2015 1630	11/06/2015 0848
600-121181-11	ARTESIA-MD03-11032015	Water	11/03/2015 1700	11/06/2015 0848
600-121181-12	ARTESIA-MW34-11032015	Water	11/03/2015 1710	11/06/2015 0848
600-121181-13	ARTESIA-OUTLET-11042015	Water	11/04/2015 0723	11/06/2015 0848
600-121181-14	ARTESIA-MID-11042015	Water	11/04/2015 0726	11/06/2015 0848
600-121181-15	ARTESIA-INLET-11042015	Water	11/04/2015 0730	11/06/2015 0848
600-121181-16	ARTESIA-MW25-11042015	Water	11/04/2015 0825	11/06/2015 0848
600-121181-17	ARTESIA-MD02-11042015	Water	11/04/2015 0900	11/06/2015 0848
600-121181-18	ARTESIA-MW22-11042015	Water	11/04/2015 0917	11/06/2015 0848
600-121181-19	ARTESIA-HS31-11042015	Water	11/04/2015 0947	11/06/2015 0848
600-121181-20	ARTESIA-MW31-11042015	Water	11/04/2015 1018	11/06/2015 0848
600-121181-21	ARTESIA-MW21-11042015	Water	11/04/2015 1054	11/06/2015 0848
600-121181-22	ARTESIA-MW20-11042015	Water	11/04/2015 1121	11/06/2015 0848
600-121181-23	ARTESIA-MW11-11042015	Water	11/04/2015 1152	11/06/2015 0848
600-121181-24	ARTESIA-MW08-11042015	Water	11/04/2015 1224	11/06/2015 0848
600-121181-25	ARTESIA-MD01-11042015	Water	11/04/2015 1230	11/06/2015 0848
600-121181-26	ARTESIA-MW18-11042015	Water	11/04/2015 1257	11/06/2015 0848
600-121181-27	ARTESIA-MW07-11042015	Water	11/04/2015 1330	11/06/2015 0848
600-121181-28	ARTESIA-MW01-11042015	Water	11/04/2015 1405	11/06/2015 0848
600-121181-28MS	ARTESIA-MW01-11042015	Water	11/04/2015 1405	11/06/2015 0848
600-121181-28MSD	ARTESIA-MW01-11042015	Water	11/04/2015 1405	11/06/2015 0848
600-121181-31	ARTESIA-MW17C-11042015	Water	11/04/2015 1500	11/06/2015 0848
600-121181-32	ARTESIA-HS12-11042015	Water	11/04/2015 1515	11/06/2015 0848
600-121181-33	ARTESIA-MW12-11042015	Water	11/04/2015 1537	11/06/2015 0848
600-121181-34	ARTESIA-MW15-11042015	Water	11/04/2015 1609	11/06/2015 0848

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-121181-3 ARTESIA-MW32-11032015						
1,1-Dichloroethane		0.000315	J	0.00100	mg/L	8260B
1,1-Dichloroethene		0.000842	J	0.00100	mg/L	8260B
Tetrachloroethene		0.00144		0.00100	mg/L	8260B
Trichloroethene		0.000360	J	0.00100	mg/L	8260B
600-121181-6 ARTESIA-MW26-11032015						
1,1-Dichloroethane		0.000178	J	0.00100	mg/L	8260B
1,1-Dichloroethene		0.000810	J	0.00100	mg/L	8260B
Tetrachloroethene		0.000708	J	0.00100	mg/L	8260B
Trichloroethene		0.000334	J	0.00100	mg/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.0158	J	0.0500	mg/L	6020
600-121181-7 ARTESIA-MW30-11032015						
1,1-Dichloroethane		0.00391		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00654		0.00100	mg/L	8260B
Tetrachloroethene		0.0132		0.00100	mg/L	8260B
Trichloroethene		0.00207		0.00100	mg/L	8260B
600-121181-8 ARTESIA-HS29-11032015						
cis-1,2-Dichloroethene		0.000558	J	0.00100	mg/L	8260B
1,1-Dichloroethane		0.00732		0.00100	mg/L	8260B
1,1-Dichloroethene		0.0196		0.00100	mg/L	8260B
Methyl tert-butyl ether		0.00125		0.00100	mg/L	8260B
Tetrachloroethene		0.0170		0.00100	mg/L	8260B
Trichloroethene		0.00627		0.00100	mg/L	8260B
600-121181-9 ARTESIA-MW29-11032015						
cis-1,2-Dichloroethene		0.000494	J	0.00100	mg/L	8260B
1,1-Dichloroethane		0.00655		0.00100	mg/L	8260B
1,1-Dichloroethene		0.0196		0.00100	mg/L	8260B
Methyl tert-butyl ether		0.00111		0.00100	mg/L	8260B
Tetrachloroethene		0.0135		0.00100	mg/L	8260B
Trichloroethene		0.00586		0.00100	mg/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.0519		0.0500	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-121181-10 ARTESIA-MW28-11032015						
cis-1,2-Dichloroethene		0.000334	J	0.00100	mg/L	8260B
1,1-Dichloroethane		0.00626		0.00100	mg/L	8260B
1,1-Dichloroethene		0.0155		0.00100	mg/L	8260B
Methyl tert-butyl ether		0.000425	J	0.00100	mg/L	8260B
Naphthalene		0.000200	J B	0.00200	mg/L	8260B
Tetrachloroethene		0.0183		0.00100	mg/L	8260B
Trichloroethene		0.00506		0.00100	mg/L	8260B
600-121181-11 ARTESIA-MD03-11032015						
1,1-Dichloroethane		0.00206		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00502		0.00100	mg/L	8260B
Tetrachloroethene		0.00475		0.00100	mg/L	8260B
Trichloroethene		0.00129		0.00100	mg/L	8260B
600-121181-12 ARTESIA-MW34-11032015						
1,1-Dichloroethane		0.00210		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00541		0.00100	mg/L	8260B
Tetrachloroethene		0.00516		0.00100	mg/L	8260B
Trichloroethene		0.00140		0.00100	mg/L	8260B
600-121181-13 ARTESIA-OUTLET-11042015						
Isopropylbenzene		0.000301	J	0.00100	mg/L	8260B
600-121181-14 ARTESIA-MID-11042015						
1,1-Dichloroethane		0.00173		0.00100	mg/L	8260B
Methyl tert-butyl ether		0.000209	J	0.00100	mg/L	8260B
600-121181-15 ARTESIA-INLET-11042015						
cis-1,2-Dichloroethene		0.000218	J	0.00100	mg/L	8260B
1,1-Dichloroethane		0.00509		0.00100	mg/L	8260B
1,1-Dichloroethene		0.0177		0.00100	mg/L	8260B
Isopropylbenzene		0.000592	J	0.00100	mg/L	8260B
Methyl tert-butyl ether		0.000266	J	0.00100	mg/L	8260B
Naphthalene		0.000182	J	0.00200	mg/L	8260B
Tetrachloroethene		0.0182		0.00100	mg/L	8260B
Trichloroethene		0.00472		0.00100	mg/L	8260B
Dissolved						
Manganese, Dissolved		0.0414	J	0.0500	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-121181-16	ARTESIA-MW25-11042015					
1,1-Dichloroethane		0.00133		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00441		0.00100	mg/L	8260B
Tetrachloroethene		0.00503		0.00100	mg/L	8260B
Trichloroethene		0.00103		0.00100	mg/L	8260B
600-121181-17	ARTESIA-MD02-11042015					
1,1-Dichloroethane		0.00141		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00468		0.00100	mg/L	8260B
Tetrachloroethene		0.00515		0.00100	mg/L	8260B
Trichloroethene		0.00103		0.00100	mg/L	8260B
600-121181-18	ARTESIA-MW22-11042015					
1,1-Dichloroethane		0.00142		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00366		0.00100	mg/L	8260B
Tetrachloroethene		0.00401		0.00100	mg/L	8260B
Trichloroethene		0.000914	J	0.00100	mg/L	8260B
600-121181-22	ARTESIA-MW20-11042015					
cis-1,2-Dichloroethene		0.00220		0.00100	mg/L	8260B
1,1-Dichloroethane		0.00943		0.00100	mg/L	8260B
1,1-Dichloroethene		0.00162		0.00100	mg/L	8260B
Methyl tert-butyl ether		0.00136		0.00100	mg/L	8260B
Tetrachloroethene		0.00184		0.00100	mg/L	8260B
Trichloroethene		0.00258		0.00100	mg/L	8260B
Vinyl chloride		0.000255	J	0.00100	mg/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.0159	J	0.0500	mg/L	6020
600-121181-23	ARTESIA-MW11-11042015					
1,1-Dichloroethane		0.00427		0.00100	mg/L	8260B
1,1-Dichloroethene		0.000297	J	0.00100	mg/L	8260B
Methyl tert-butyl ether		0.000169	J	0.00100	mg/L	8260B
Tetrachloroethene		0.000481	J	0.00100	mg/L	8260B
Trichloroethene		0.00108		0.00100	mg/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-121181-24	ARTESIA-MW08-11042015					
Benzene		0.000287	J	0.00100	mg/L	8260B
cis-1,2-Dichloroethene		0.00361		0.00100	mg/L	8260B
1,1-Dichloroethane		0.00409		0.00100	mg/L	8260B
1,1-Dichloroethene		0.000829	J	0.00100	mg/L	8260B
sec-Butylbenzene		0.000241	J	0.00100	mg/L	8260B
Tetrachloroethene		0.000831	J	0.00100	mg/L	8260B
Trichloroethene		0.00192		0.00100	mg/L	8260B
600-121181-25	ARTESIA-MD01-11042015					
1,1-Dichloroethane		0.000339	J	0.00100	mg/L	8260B
1,1-Dichloroethene		0.00130		0.00100	mg/L	8260B
Tetrachloroethene		0.00151		0.00100	mg/L	8260B
Trichloroethene		0.000296	J	0.00100	mg/L	8260B
600-121181-26	ARTESIA-MW18-11042015					
1,1-Dichloroethane		0.000346	J	0.00100	mg/L	8260B
1,1-Dichloroethene		0.00138		0.00100	mg/L	8260B
Tetrachloroethene		0.00144		0.00100	mg/L	8260B
Trichloroethene		0.000333	J	0.00100	mg/L	8260B
600-121181-27	ARTESIA-MW07-11042015					
1,1-Dichloroethane		0.000189	J	0.00100	mg/L	8260B
1,1-Dichloroethene		0.000292	J	0.00100	mg/L	8260B
Tetrachloroethene		0.000646	J	0.00100	mg/L	8260B
600-121181-28	ARTESIA-MW01-11042015					
Naphthalene		0.000973	J	0.00200	mg/L	8260B
sec-Butylbenzene		0.000375	J	0.00100	mg/L	8260B
600-121181-31	ARTESIA-MW17C-11042015					
1,1-Dichloroethene		0.000299	J	0.00100	mg/L	8260B
Trichloroethene		0.000282	J	0.00100	mg/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-121181-32 ARTESIA-HS12-11042015						
Benzene		0.0464		0.0100	mg/L	8260B
cis-1,2-Dichloroethene		0.181		0.0100	mg/L	8260B
1,1-Dichloroethane		0.0822		0.0100	mg/L	8260B
1,1-Dichloroethene		0.00440	J	0.0100	mg/L	8260B
Ethylbenzene		0.529		0.100	mg/L	8260B
Isopropylbenzene		0.427		0.0100	mg/L	8260B
m-Xylene & p-Xylene		0.500		0.100	mg/L	8260B
Naphthalene		0.494	B	0.0200	mg/L	8260B
n-Butylbenzene		0.0149		0.0100	mg/L	8260B
N-Propylbenzene		0.451		0.100	mg/L	8260B
p-Isopropyltoluene		0.00496	J	0.0100	mg/L	8260B
sec-Butylbenzene		0.0112		0.0100	mg/L	8260B
Tetrachloroethene		0.00429	J	0.0100	mg/L	8260B
Trichloroethene		0.00324	J	0.0100	mg/L	8260B
1,2,4-Trimethylbenzene		2.99		0.100	mg/L	8260B
1,3,5-Trimethylbenzene		0.0526		0.0100	mg/L	8260B
Xylenes, Total		0.500		0.200	mg/L	8260B
600-121181-33 ARTESIA-MW12-11042015						
Benzene		0.0230		0.0100	mg/L	8260B
cis-1,2-Dichloroethene		0.0936		0.0100	mg/L	8260B
1,1-Dichloroethane		0.0692		0.0100	mg/L	8260B
1,1-Dichloroethene		0.00490	J	0.0100	mg/L	8260B
Ethylbenzene		0.381		0.0100	mg/L	8260B
Isopropylbenzene		0.292		0.0100	mg/L	8260B
m-Xylene & p-Xylene		0.377		0.0100	mg/L	8260B
Naphthalene		0.296	B	0.0200	mg/L	8260B
n-Butylbenzene		0.00757	J	0.0100	mg/L	8260B
N-Propylbenzene		0.377		0.0100	mg/L	8260B
o-Xylene		0.00509	J	0.0100	mg/L	8260B
p-Isopropyltoluene		0.00300	J	0.0100	mg/L	8260B
sec-Butylbenzene		0.00947	J	0.0100	mg/L	8260B
Tetrachloroethene		0.00481	J	0.0100	mg/L	8260B
Trichloroethene		0.00632	J	0.0100	mg/L	8260B
1,2,4-Trimethylbenzene		2.08		0.100	mg/L	8260B
1,3,5-Trimethylbenzene		0.00929	J	0.0100	mg/L	8260B
Xylenes, Total		0.382		0.0200	mg/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-121181-34	ARTESIA-MW15-11042015					
cis-1,2-Dichloroethene		0.00794		0.00100	mg/L	8260B
1,1-Dichloroethane		0.000315	J	0.00100	mg/L	8260B
Methyl tert-butyl ether		0.000325	J	0.00100	mg/L	8260B
trans-1,2-Dichloroethene		0.000307	J	0.00100	mg/L	8260B
Trichloroethene		0.0257		0.00100	mg/L	8260B

METHOD SUMMARY

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Total Metals	TAL CC		SW846 3010A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method	Analyst	Analyst ID
SW846 8260B	Shen, Wei	WS1
SW846 6020	Mathewson, John E	JEM

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-121181-1

Date Sampled: 11/03/2015 0000

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-175890

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31322.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/09/2015 1937

Final Weight/Volume: 20 mL

Prep Date: 11/09/2015 1937

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-121181-1

Client Matrix: Water

Date Sampled: 11/03/2015 0000

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31322.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 1937			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 1937				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	113		67 - 139
Dibromofluoromethane	101		62 - 130
1,2-Dichloroethane-d4 (Surr)	108		50 - 134
Toluene-d8 (Surr)	115		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW33-11032015

Lab Sample ID: 600-121181-2

Date Sampled: 11/03/2015 1245

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-175890

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31323.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/09/2015 2002

Final Weight/Volume: 20 mL

Prep Date: 11/09/2015 2002

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW33-11032015

Lab Sample ID: 600-121181-2

Date Sampled: 11/03/2015 1245

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31323.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 2002			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 2002				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	111		67 - 139
Dibromofluoromethane	104		62 - 130
1,2-Dichloroethane-d4 (Surr)	109		50 - 134
Toluene-d8 (Surr)	111		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW32-11032015

Lab Sample ID: 600-121181-3

Date Sampled: 11/03/2015 1320

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-175890

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31308.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/09/2015 1340

Final Weight/Volume: 20 mL

Prep Date: 11/09/2015 1340

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U F1	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000315	J	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000842	J	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW32-11032015

Lab Sample ID: 600-121181-3

Date Sampled: 11/03/2015 1320

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31308.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 1340			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 1340				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00144		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000360	J	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	105		50 - 134
Toluene-d8 (Surr)	109		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW26-11032015

Lab Sample ID: 600-121181-6

Date Sampled: 11/03/2015 1410

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-175890

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31324.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/09/2015 2028

Final Weight/Volume: 20 mL

Prep Date: 11/09/2015 2028

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000178	J	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000810	J	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW26-11032015

Lab Sample ID: 600-121181-6

Date Sampled: 11/03/2015 1410

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31324.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 2028			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 2028				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000708	J	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000334	J	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	111		67 - 139
Dibromofluoromethane	103		62 - 130
1,2-Dichloroethane-d4 (Surr)	110		50 - 134
Toluene-d8 (Surr)	112		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW30-11032015

Lab Sample ID: 600-121181-7

Date Sampled: 11/03/2015 1452

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-175890

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31325.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/09/2015 2053

Final Weight/Volume: 20 mL

Prep Date: 11/09/2015 2053

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00391		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00654		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW30-11032015

Lab Sample ID: 600-121181-7

Date Sampled: 11/03/2015 1452

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31325.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 2053			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 2053				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.0132		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00207		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	109		67 - 139
Dibromofluoromethane	107		62 - 130
1,2-Dichloroethane-d4 (Surr)	117		50 - 134
Toluene-d8 (Surr)	108		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS29-11032015

Lab Sample ID: 600-121181-8

Date Sampled: 11/03/2015 1518

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-175890

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31326.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/09/2015 2119

Final Weight/Volume: 20 mL

Prep Date: 11/09/2015 2119

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000558	J	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00732		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.0196		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.00125		0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS29-11032015

Lab Sample ID: 600-121181-8

Date Sampled: 11/03/2015 1518

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31326.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 2119			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 2119				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.0170		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00627		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	107		62 - 130
1,2-Dichloroethane-d4 (Surr)	115		50 - 134
Toluene-d8 (Surr)	108		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW29-11032015

Lab Sample ID: 600-121181-9

Date Sampled: 11/03/2015 1550

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31327.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 2144			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 2144				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000494	J	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00655		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.0196		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.00111		0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW29-11032015

Lab Sample ID: 600-121181-9

Date Sampled: 11/03/2015 1550

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-175890	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31327.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/09/2015 2144			Final Weight/Volume:	20 mL
Prep Date:	11/09/2015 2144				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.0135		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00586		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		67 - 139
Dibromofluoromethane	106		62 - 130
1,2-Dichloroethane-d4 (Surr)	112		50 - 134
Toluene-d8 (Surr)	109		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW28-11032015

Lab Sample ID: 600-121181-10

Date Sampled: 11/03/2015 1630

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31607.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1425

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1425

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000334	J	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00626		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.0155		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000425	J	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000200	J B	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW28-11032015

Lab Sample ID: 600-121181-10

Date Sampled: 11/03/2015 1630

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31607.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1425			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1425				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.0183		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00506		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	109		67 - 139
Dibromofluoromethane	100		62 - 130
1,2-Dichloroethane-d4 (Surr)	98		50 - 134
Toluene-d8 (Surr)	113		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD03-11032015

Lab Sample ID: 600-121181-11

Date Sampled: 11/03/2015 1700

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176006

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31426.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/10/2015 2135

Final Weight/Volume: 20 mL

Prep Date: 11/10/2015 2135

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00206		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00502		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD03-11032015

Lab Sample ID: 600-121181-11

Date Sampled: 11/03/2015 1700

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176006	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31426.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/10/2015 2135			Final Weight/Volume:	20 mL
Prep Date:	11/10/2015 2135				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00475		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00129		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	111		67 - 139
Dibromofluoromethane	106		62 - 130
1,2-Dichloroethane-d4 (Surr)	116		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW34-11032015

Lab Sample ID: 600-121181-12

Date Sampled: 11/03/2015 1710

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31608.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1450

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1450

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00210		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00541		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW34-11032015

Lab Sample ID: 600-121181-12

Date Sampled: 11/03/2015 1710

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31608.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1450			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1450				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00516		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00140		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	102		50 - 134
Toluene-d8 (Surr)	111		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-OUTLET-11042015

Lab Sample ID: 600-121181-13

Date Sampled: 11/04/2015 0723

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31609.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1516

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1516

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000301	J	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-OUTLET-11042015

Lab Sample ID: 600-121181-13

Date Sampled: 11/04/2015 0723

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31609.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1516			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1516				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		67 - 139
Dibromofluoromethane	99		62 - 130
1,2-Dichloroethane-d4 (Surr)	103		50 - 134
Toluene-d8 (Surr)	115		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MID-11042015

Lab Sample ID: 600-121181-14

Date Sampled: 11/04/2015 0726

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31610.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1541

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1541

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00173		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000209	J	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MID-11042015

Lab Sample ID: 600-121181-14

Date Sampled: 11/04/2015 0726

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31610.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1541			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1541				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	105		62 - 130
1,2-Dichloroethane-d4 (Surr)	111		50 - 134
Toluene-d8 (Surr)	111		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-INLET-11042015

Lab Sample ID: 600-121181-15

Date Sampled: 11/04/2015 0730

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31517.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1631

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1631

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000218	J	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00509		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.0177		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000592	J	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000266	J	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000182	J	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-INLET-11042015

Lab Sample ID: 600-121181-15

Date Sampled: 11/04/2015 0730

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31517.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1631			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1631				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.0182		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00472		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	105		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	109		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW25-11042015

Lab Sample ID: 600-121181-16

Date Sampled: 11/04/2015 0825

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31518.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1657

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1657

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00133		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00441		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW25-11042015

Lab Sample ID: 600-121181-16

Date Sampled: 11/04/2015 0825

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31518.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1657			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1657				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00503		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00103		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	109		67 - 139
Dibromofluoromethane	104		62 - 130
1,2-Dichloroethane-d4 (Surr)	112		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD02-11042015

Lab Sample ID: 600-121181-17

Date Sampled: 11/04/2015 0900

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31519.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1723

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1723

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00141		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00468		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD02-11042015

Lab Sample ID: 600-121181-17

Date Sampled: 11/04/2015 0900

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31519.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1723			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1723				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00515		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00103		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	109		50 - 134
Toluene-d8 (Surr)	109		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW22-11042015

Lab Sample ID: 600-121181-18

Date Sampled: 11/04/2015 0917

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31520.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1749

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1749

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00142		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00366		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW22-11042015

Lab Sample ID: 600-121181-18

Date Sampled: 11/04/2015 0917

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31520.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1749			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1749				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00401		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000914	J	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		67 - 139
Dibromofluoromethane	106		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	109		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS31-11042015

Lab Sample ID: 600-121181-19

Date Sampled: 11/04/2015 0947

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31521.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1815			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS31-11042015

Lab Sample ID: 600-121181-19

Date Sampled: 11/04/2015 0947

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31521.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1815			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	112		50 - 134
Toluene-d8 (Surr)	107		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW31-11042015

Lab Sample ID: 600-121181-20

Date Sampled: 11/04/2015 1018

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31522.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1840

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1840

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW31-11042015

Lab Sample ID: 600-121181-20

Date Sampled: 11/04/2015 1018

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31522.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1840			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	104		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW21-11042015

Lab Sample ID: 600-121181-21

Date Sampled: 11/04/2015 1054

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31523.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1906

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1906

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW21-11042015

Lab Sample ID: 600-121181-21

Date Sampled: 11/04/2015 1054

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31523.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1906			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1906				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	103		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW20-11042015

Lab Sample ID: 600-121181-22

Date Sampled: 11/04/2015 1121

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31524.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1932			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1932				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.00220		0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00943		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00162		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.00136		0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW20-11042015

Lab Sample ID: 600-121181-22

Date Sampled: 11/04/2015 1121

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31524.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1932			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1932				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00184		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00258		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000255	J	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	108		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW11-11042015

Lab Sample ID: 600-121181-23

Date Sampled: 11/04/2015 1152

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31525.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1957

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1957

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00427		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000297	J	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000169	J	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW11-11042015

Lab Sample ID: 600-121181-23

Date Sampled: 11/04/2015 1152

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31525.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 1957			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 1957				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000481	J	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00108		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		67 - 139
Dibromofluoromethane	106		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	109		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW08-11042015

Lab Sample ID: 600-121181-24

Date Sampled: 11/04/2015 1224

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31526.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 2023

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 2023

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000287	J	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.00361		0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.00409		0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000829	J	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000241	J	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW08-11042015

Lab Sample ID: 600-121181-24

Date Sampled: 11/04/2015 1224

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176120	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31526.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/11/2015 2023			Final Weight/Volume:	20 mL
Prep Date:	11/11/2015 2023				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000831	J	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.00192		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	104		62 - 130
1,2-Dichloroethane-d4 (Surr)	112		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD01-11042015

Lab Sample ID: 600-121181-25

Date Sampled: 11/04/2015 1230

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31611.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1607

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1607

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000339	J	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00130		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD01-11042015

Lab Sample ID: 600-121181-25

Date Sampled: 11/04/2015 1230

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31611.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1607			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1607				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00151		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000296	J	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	110		50 - 134
Toluene-d8 (Surr)	113		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW18-11042015

Lab Sample ID: 600-121181-26

Date Sampled: 11/04/2015 1257

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31612.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1632

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1632

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000346	J	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.00138		0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW18-11042015

Lab Sample ID: 600-121181-26

Date Sampled: 11/04/2015 1257

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31612.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1632			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1632				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.00144		0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000333	J	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	105		62 - 130
1,2-Dichloroethane-d4 (Surr)	113		50 - 134
Toluene-d8 (Surr)	108		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW07-11042015

Lab Sample ID: 600-121181-27

Date Sampled: 11/04/2015 1330

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31613.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1657

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1657

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000189	J	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000292	J	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW07-11042015

Lab Sample ID: 600-121181-27

Date Sampled: 11/04/2015 1330

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31613.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1657			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1657				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000646	J	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	104		62 - 130
1,2-Dichloroethane-d4 (Surr)	113		50 - 134
Toluene-d8 (Surr)	108		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW01-11042015

Lab Sample ID: 600-121181-28

Date Sampled: 11/04/2015 1405

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176120

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31506.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/11/2015 1145

Final Weight/Volume: 20 mL

Prep Date: 11/11/2015 1145

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U F1	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U F1	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000973	J	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000375	J	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW01-11042015

Lab Sample ID: 600-121181-28

Date Sampled: 11/04/2015 1405

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-176120	Instrument ID: CHVOAMS07
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: A31506.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 11/11/2015 1145		Final Weight/Volume: 20 mL
Prep Date: 11/11/2015 1145		

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	109		67 - 139
Dibromofluoromethane	101		62 - 130
1,2-Dichloroethane-d4 (Surr)	108		50 - 134
Toluene-d8 (Surr)	111		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW17C-11042015

Lab Sample ID: 600-121181-31

Date Sampled: 11/04/2015 1500

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31614.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1723

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1723

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000299	J	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW17C-11042015

Lab Sample ID: 600-121181-31

Date Sampled: 11/04/2015 1500

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31614.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1723			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1723				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000282	J	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	102		62 - 130
1,2-Dichloroethane-d4 (Surr)	108		50 - 134
Toluene-d8 (Surr)	110		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS12-11042015

Lab Sample ID: 600-121181-32

Date Sampled: 11/04/2015 1515

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176357

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31706.D

Dilution: 10

Initial Weight/Volume: 20 mL

Analysis Date: 11/13/2015 1142

Final Weight/Volume: 20 mL

Prep Date: 11/13/2015 1142

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.0464		0.00176	0.0100
Bromobenzene	0.00195	U	0.00195	0.0100
Bromochloromethane	0.00162	U	0.00162	0.0100
Bromodichloromethane	0.00153	U	0.00153	0.0100
Bromoform	0.00151	U	0.00151	0.0100
Bromomethane	0.00250	U	0.00250	0.0200
2-Butanone (MEK)	0.00760	U	0.00760	0.0200
Carbon tetrachloride	0.00183	U	0.00183	0.0100
Chlorobenzene	0.00185	U	0.00185	0.0100
Chlorodibromomethane	0.00119	U	0.00119	0.0100
Chloroethane	0.00240	U	0.00240	0.0200
2-Chloroethyl vinyl ether	0.00500	U	0.00500	0.0200
Chloroform	0.00151	U	0.00151	0.0100
Chloromethane	0.00209	U	0.00209	0.0200
2-Chlorotoluene	0.00226	U	0.00226	0.0100
4-Chlorotoluene	0.00210	U	0.00210	0.0100
cis-1,2-Dichloroethene	0.181		0.00157	0.0100
cis-1,3-Dichloropropene	0.00160	U	0.00160	0.0100
1,2-Dibromo-3-Chloropropane	0.00810	U	0.00810	0.0100
Dibromomethane	0.00520	U	0.00520	0.0100
1,2-Dichlorobenzene	0.00153	U	0.00153	0.0100
1,3-Dichlorobenzene	0.00210	U	0.00210	0.0100
1,4-Dichlorobenzene	0.00176	U	0.00176	0.0100
Dichlorodifluoromethane	0.00859	U	0.00859	0.0100
1,1-Dichloroethane	0.0822		0.00168	0.0100
1,2-Dichloroethane	0.00116	U	0.00116	0.0100
1,1-Dichloroethene	0.00440	J	0.00192	0.0100
1,2-Dichloropropane	0.00136	U	0.00136	0.0100
1,3-Dichloropropane	0.00220	U	0.00220	0.0100
2,2-Dichloropropane	0.00258	U	0.00258	0.0100
1,1-Dichloropropene	0.00191	U	0.00191	0.0100
Ethylene Dibromide	0.00111	U	0.00111	0.0100
Hexachlorobutadiene	0.00215	U	0.00215	0.0100
Isopropylbenzene	0.427		0.00241	0.0100
Methylene Chloride	0.00176	U	0.00176	0.0500
Methyl tert-butyl ether	0.00105	U	0.00105	0.0100
Naphthalene	0.494	B	0.00129	0.0200
n-Butylbenzene	0.0149		0.00212	0.0100
p-Isopropyltoluene	0.00496	J	0.00228	0.0100
sec-Butylbenzene	0.0112		0.00224	0.0100
Styrene	0.00175	U	0.00175	0.0100
tert-Butylbenzene	0.00216	U	0.00216	0.0100
1,1,1,2-Tetrachloroethane	0.00178	U	0.00178	0.0100
1,1,2,2-Tetrachloroethane	0.00197	U	0.00197	0.0100
Tetrachloroethene	0.00429	J	0.00333	0.0100
Toluene	0.00198	U	0.00198	0.0100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS12-11042015

Lab Sample ID: 600-121181-32

Date Sampled: 11/04/2015 1515

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176357	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31706.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	11/13/2015 1142			Final Weight/Volume:	20 mL
Prep Date:	11/13/2015 1142				

Analyte	Result (mg/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	0.00192	U	0.00192	0.0100
trans-1,3-Dichloropropene	0.00137	U	0.00137	0.0100
1,2,3-Trichlorobenzene	0.00570	U	0.00570	0.0100
1,2,4-Trichlorobenzene	0.00177	U	0.00177	0.0100
1,1,1-Trichloroethane	0.00209	U	0.00209	0.0100
1,1,2-Trichloroethane	0.00209	U	0.00209	0.0100
Trichloroethene	0.00324	J	0.00138	0.0100
Trichlorofluoromethane	0.00244	U	0.00244	0.0100
1,2,3-Trichloropropane	0.00290	U	0.00290	0.0100
1,3,5-Trimethylbenzene	0.0526		0.00210	0.0100
Vinyl chloride	0.00248	U	0.00248	0.0100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		67 - 139
Dibromofluoromethane	105		62 - 130
1,2-Dichloroethane-d4 (Surr)	105		50 - 134
Toluene-d8 (Surr)	111		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS12-11042015

Lab Sample ID: 600-121181-32

Date Sampled: 11/04/2015 1515

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176357	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31725.D
Dilution:	100			Initial Weight/Volume:	20 mL
Analysis Date:	11/13/2015 1946	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	11/13/2015 1946				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylbenzene	0.529		0.0212	0.100
m-Xylene & p-Xylene	0.500		0.0205	0.100
N-Propylbenzene	0.451		0.0230	0.100
o-Xylene	0.0192	U	0.0192	0.100
1,2,4-Trimethylbenzene	2.99		0.0215	0.100
Xylenes, Total	0.500		0.0366	0.200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	106		62 - 130
1,2-Dichloroethane-d4 (Surr)	114		50 - 134
Toluene-d8 (Surr)	111		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW12-11042015

Lab Sample ID: 600-121181-33

Date Sampled: 11/04/2015 1537

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176357

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31708.D

Dilution: 10

Initial Weight/Volume: 20 mL

Analysis Date: 11/13/2015 1233

Final Weight/Volume: 20 mL

Prep Date: 11/13/2015 1233

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.0230		0.00176	0.0100
Bromobenzene	0.00195	U	0.00195	0.0100
Bromochloromethane	0.00162	U	0.00162	0.0100
Bromodichloromethane	0.00153	U	0.00153	0.0100
Bromoform	0.00151	U	0.00151	0.0100
Bromomethane	0.00250	U	0.00250	0.0200
2-Butanone (MEK)	0.00760	U	0.00760	0.0200
Carbon tetrachloride	0.00183	U	0.00183	0.0100
Chlorobenzene	0.00185	U	0.00185	0.0100
Chlorodibromomethane	0.00119	U	0.00119	0.0100
Chloroethane	0.00240	U	0.00240	0.0200
2-Chloroethyl vinyl ether	0.00500	U	0.00500	0.0200
Chloroform	0.00151	U	0.00151	0.0100
Chloromethane	0.00209	U	0.00209	0.0200
2-Chlorotoluene	0.00226	U	0.00226	0.0100
4-Chlorotoluene	0.00210	U	0.00210	0.0100
cis-1,2-Dichloroethene	0.0936		0.00157	0.0100
cis-1,3-Dichloropropene	0.00160	U	0.00160	0.0100
1,2-Dibromo-3-Chloropropane	0.00810	U	0.00810	0.0100
Dibromomethane	0.00520	U	0.00520	0.0100
1,2-Dichlorobenzene	0.00153	U	0.00153	0.0100
1,3-Dichlorobenzene	0.00210	U	0.00210	0.0100
1,4-Dichlorobenzene	0.00176	U	0.00176	0.0100
Dichlorodifluoromethane	0.00859	U	0.00859	0.0100
1,1-Dichloroethane	0.0692		0.00168	0.0100
1,2-Dichloroethane	0.00116	U	0.00116	0.0100
1,1-Dichloroethene	0.00490	J	0.00192	0.0100
1,2-Dichloropropane	0.00136	U	0.00136	0.0100
1,3-Dichloropropane	0.00220	U	0.00220	0.0100
2,2-Dichloropropane	0.00258	U	0.00258	0.0100
1,1-Dichloropropene	0.00191	U	0.00191	0.0100
Ethylbenzene	0.381		0.00212	0.0100
Ethylene Dibromide	0.00111	U	0.00111	0.0100
Hexachlorobutadiene	0.00215	U	0.00215	0.0100
Isopropylbenzene	0.292		0.00241	0.0100
Methylene Chloride	0.00176	U	0.00176	0.0500
Methyl tert-butyl ether	0.00105	U	0.00105	0.0100
m-Xylene & p-Xylene	0.377		0.00205	0.0100
Naphthalene	0.296	B	0.00129	0.0200
n-Butylbenzene	0.00757	J	0.00212	0.0100
N-Propylbenzene	0.377		0.00230	0.0100
o-Xylene	0.00509	J	0.00192	0.0100
p-Isopropyltoluene	0.00300	J	0.00228	0.0100
sec-Butylbenzene	0.00947	J	0.00224	0.0100
Styrene	0.00175	U	0.00175	0.0100
tert-Butylbenzene	0.00216	U	0.00216	0.0100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW12-11042015

Lab Sample ID: 600-121181-33

Date Sampled: 11/04/2015 1537

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176357	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31708.D
Dilution:	10			Initial Weight/Volume:	20 mL
Analysis Date:	11/13/2015 1233			Final Weight/Volume:	20 mL
Prep Date:	11/13/2015 1233				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.00178	U	0.00178	0.0100
1,1,2,2-Tetrachloroethane	0.00197	U	0.00197	0.0100
Tetrachloroethene	0.00481	J	0.00333	0.0100
Toluene	0.00198	U	0.00198	0.0100
trans-1,2-Dichloroethene	0.00192	U	0.00192	0.0100
trans-1,3-Dichloropropene	0.00137	U	0.00137	0.0100
1,2,3-Trichlorobenzene	0.00570	U	0.00570	0.0100
1,2,4-Trichlorobenzene	0.00177	U	0.00177	0.0100
1,1,1-Trichloroethane	0.00209	U	0.00209	0.0100
1,1,2-Trichloroethane	0.00209	U	0.00209	0.0100
Trichloroethene	0.00632	J	0.00138	0.0100
Trichlorofluoromethane	0.00244	U	0.00244	0.0100
1,2,3-Trichloropropane	0.00290	U	0.00290	0.0100
1,3,5-Trimethylbenzene	0.00929	J	0.00210	0.0100
Vinyl chloride	0.00248	U	0.00248	0.0100
Xylenes, Total	0.382		0.00366	0.0200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		67 - 139
Dibromofluoromethane	99		62 - 130
1,2-Dichloroethane-d4 (Surr)	98		50 - 134
Toluene-d8 (Surr)	112		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW12-11042015

Lab Sample ID: 600-121181-33

Date Sampled: 11/04/2015 1537

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176357	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31709.D
Dilution:	100			Initial Weight/Volume:	20 mL
Analysis Date:	11/13/2015 1258	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	11/13/2015 1258				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,2,4-Trimethylbenzene	2.08		0.0215	0.100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	119		67 - 139
Dibromofluoromethane	116		62 - 130
1,2-Dichloroethane-d4 (Surr)	120		50 - 134
Toluene-d8 (Surr)	128		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW15-11042015

Lab Sample ID: 600-121181-34

Date Sampled: 11/04/2015 1609

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 600-176238

Instrument ID: CHVOAMS07

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: A31615.D

Dilution: 1.0

Initial Weight/Volume: 20 mL

Analysis Date: 11/12/2015 1749

Final Weight/Volume: 20 mL

Prep Date: 11/12/2015 1749

Analyte	Result (mg/L)	Qualifier	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.00794		0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000315	J	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000325	J	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U *	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100
tert-Butylbenzene	0.000216	U	0.000216	0.00100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW15-11042015

Lab Sample ID: 600-121181-34

Date Sampled: 11/04/2015 1609

Client Matrix: Water

Date Received: 11/06/2015 0848

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-176238	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A31615.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	11/12/2015 1749			Final Weight/Volume:	20 mL
Prep Date:	11/12/2015 1749				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000307	J	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.0257		0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	109		62 - 130
1,2-Dichloroethane-d4 (Surr)	117		50 - 134
Toluene-d8 (Surr)	108		70 - 130

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW32-11032015

Lab Sample ID: 600-121181-3

Date Sampled: 11/03/2015 1320

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 067SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1544

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW26-11032015

Lab Sample ID: 600-121181-6

Date Sampled: 11/03/2015 1410

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 071SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1610

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0158	J	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW30-11032015

Lab Sample ID: 600-121181-7

Date Sampled: 11/03/2015 1452

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 072SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1618

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS29-11032015

Lab Sample ID: 600-121181-8

Date Sampled: 11/03/2015 1518

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 073SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1623

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW29-11032015

Lab Sample ID: 600-121181-9

Date Sampled: 11/03/2015 1550

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 074SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1629

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0519		0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW28-11032015

Lab Sample ID: 600-121181-10

Date Sampled: 11/03/2015 1630

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 080SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1702

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD03-11032015

Lab Sample ID: 600-121181-11

Date Sampled: 11/03/2015 1700

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122025

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121934

Lab File ID: 081SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/13/2015 1707

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0800

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW34-11032015

Lab Sample ID: 600-121181-12

Date Sampled: 11/03/2015 1710

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 073SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1639

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-INLET-11042015

Lab Sample ID: 600-121181-15

Date Sampled: 11/04/2015 0730

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 074SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1644

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0414	J	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW25-11042015

Lab Sample ID: 600-121181-16

Date Sampled: 11/04/2015 0825

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 080SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1717

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD02-11042015

Lab Sample ID: 600-121181-17

Date Sampled: 11/04/2015 0900

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 081SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1722

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW22-11042015

Lab Sample ID: 600-121181-18

Date Sampled: 11/04/2015 0917

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 082SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1728

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-HS31-11042015

Lab Sample ID: 600-121181-19

Date Sampled: 11/04/2015 0947

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 083SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1734

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW31-11042015

Lab Sample ID: 600-121181-20

Date Sampled: 11/04/2015 1018

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 084SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1740

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW21-11042015

Lab Sample ID: 600-121181-21

Date Sampled: 11/04/2015 1054

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 085SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1745

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW20-11042015

Lab Sample ID: 600-121181-22

Date Sampled: 11/04/2015 1121

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 086SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1751

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0159	J	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MD01-11042015

Lab Sample ID: 600-121181-25

Date Sampled: 11/04/2015 1230

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 087SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1757

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Client Sample ID: ARTESIA-MW18-11042015

Lab Sample ID: 600-121181-26

Date Sampled: 11/04/2015 1257

Client Matrix: Water

Date Received: 11/06/2015 0848

6020 Metals (ICP/MS)-Dissolved

Analysis Method: 6020

Analysis Batch: 560-122028

Instrument ID: Micpms

Prep Method: 3010A

Prep Batch: 560-121939

Lab File ID: 088SMPL.D

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 11/14/2015 1803

Final Weight/Volume: 50 mL

Prep Date: 11/12/2015 0930

Analyte	Result (mg/L)	Qualifier	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-121181-1	TRIP BLANK	101	108	115	113
600-121181-2	ARTESIA-MW33-110 32015	104	109	111	111
600-121181-3	ARTESIA-MW32-110 32015	102	105	109	108
600-121181-6	ARTESIA-MW26-110 32015	103	110	112	111
600-121181-7	ARTESIA-MW30-110 32015	107	117	108	109
600-121181-8	ARTESIA-HS29-1103 2015	107	115	108	107
600-121181-9	ARTESIA-MW29-110 32015	106	112	109	110
600-121181-10	ARTESIA-MW28-110 32015	100	98	113	109
600-121181-11	ARTESIA-MD03-1103 2015	106	116	110	111
600-121181-12	ARTESIA-MW34-110 32015	102	102	111	108
600-121181-13	ARTESIA-OUTLET-11 042015	99	103	115	110
600-121181-14	ARTESIA-MID-11042 015	105	111	111	108
600-121181-15	ARTESIA-INLET-1104 2015	105	114	109	108
600-121181-16	ARTESIA-MW25-110 42015	104	112	110	109
600-121181-17	ARTESIA-MD02-1104 2015	102	109	109	106
600-121181-18	ARTESIA-MW22-110 42015	106	114	109	104
600-121181-19	ARTESIA-HS31-1104 2015	102	112	107	108
600-121181-20	ARTESIA-MW31-110 42015	104	114	110	108
600-121181-21	ARTESIA-MW21-110 42015	103	114	110	107

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-121181-22	ARTESIA-MW20-110 42015	108	114	110	108
600-121181-23	ARTESIA-MW11-110 42015	106	114	109	110
600-121181-24	ARTESIA-MW08-110 42015	104	112	110	108
600-121181-25	ARTESIA-MD01-1104 2015	102	110	113	106
600-121181-26	ARTESIA-MW18-110 42015	105	113	108	107
600-121181-27	ARTESIA-MW07-110 42015	104	113	108	107
600-121181-28	ARTESIA-MW01-110 42015	101	108	111	109
600-121181-31	ARTESIA-MW17C-11 042015	102	108	110	108
600-121181-32	ARTESIA-HS12-1104 2015	105	105	111	97
600-121181-32 DL	ARTESIA-HS12-1104 2015 DL	106	114	111	108
600-121181-33	ARTESIA-MW12-110 42015	99	98	112	102
600-121181-33 DL	ARTESIA-MW12-110 42015 DL	116	120	128	119
600-121181-34	ARTESIA-MW15-110 42015	109	117	108	108
MB 600-175890/6		99	105	110	107
MB 600-176006/6		96	101	114	109
MB 600-176120/6		99	103	111	109
MB 600-176238/6		101	104	111	107
MB 600-176357/6		104	104	112	106
LCS 600-175890/3		107	103	114	106
LCS 600-176006/3		107	102	116	108
LCS 600-176120/3		108	105	114	107
LCS 600-176238/3		110	105	112	109

Surrogate

Acceptance Limits

DBFM = Dibromofluoromethane

62-130

DCA = 1,2-Dichloroethane-d4 (Surr)

50-134

TOL = Toluene-d8 (Surr)

70-130

BFB = 4-Bromofluorobenzene

67-139

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
LCS 600-176357/3		109	107	115	108
LCSD 600-175890/4		109	109	112	109
LCSD 600-176006/4		109	106	114	106
LCSD 600-176120/4		111	107	112	109
LCSD 600-176238/4		108	104	110	109
LCSD 600-176357/4		108	107	110	107
600-121181-3 MS	ARTESIA-MW32-110 32015 MS	110	112	110	108
600-121181-28 MS	ARTESIA-MW01-110 42015 MS	112	113	112	106
600-121181-3 MSD	ARTESIA-MW32-110 32015 MSD	111	108	110	109
600-121181-28 MSD	ARTESIA-MW01-110 42015 MSD	114	108	112	106

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-175890

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-175890/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1223
Prep Date: 11/09/2015 1223
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31305.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-175890

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-175890/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1223
Prep Date: 11/09/2015 1223
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31305.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.000216	U	0.000216	0.00100
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	107	67 - 139
Dibromofluoromethane	99	62 - 130
1,2-Dichloroethane-d4 (Surr)	105	50 - 134
Toluene-d8 (Surr)	110	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-175890

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-175890/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1106
Prep Date: 11/09/2015 1106
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31302.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-175890/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1132
Prep Date: 11/09/2015 1132
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31303.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	91	88	70 - 130	4	20		
Bromobenzene	106	108	70 - 130	2	20		
Bromochloromethane	92	95	58 - 130	3	20		
Bromodichloromethane	107	108	70 - 131	1	20		
Bromoform	96	102	54 - 133	6	20		
Bromomethane	94	99	25 - 150	5	20		
2-Butanone (MEK)	82	95	41 - 141	14	20		
Carbon tetrachloride	117	110	70 - 144	6	20		
Chlorobenzene	102	101	69 - 130	2	20		
Chlorodibromomethane	107	114	62 - 130	6	20		
Chloroethane	85	90	47 - 150	7	20		
2-Chloroethyl vinyl ether	89	97	10 - 150	9	20		
Chloroform	104	102	70 - 130	2	20		
Chloromethane	99	106	10 - 150	7	20		
2-Chlorotoluene	109	106	65 - 130	3	20		
4-Chlorotoluene	115	111	70 - 130	3	20		
cis-1,2-Dichloroethene	87	87	68 - 130	1	20		
cis-1,3-Dichloropropene	102	105	57 - 130	2	20		
1,2-Dibromo-3-Chloropropane	97	105	41 - 142	8	20		
Dibromomethane	94	96	70 - 130	3	20		
1,2-Dichlorobenzene	108	111	70 - 130	4	20		
1,3-Dichlorobenzene	109	108	70 - 130	1	20		
1,4-Dichlorobenzene	110	109	70 - 130	1	20		
Dichlorodifluoromethane	144	146	10 - 150	2	20		
1,1-Dichloroethane	93	90	70 - 140	3	20		
1,2-Dichloroethane	103	106	67 - 134	3	20		
1,1-Dichloroethene	78	76	58 - 148	3	20		
1,2-Dichloropropane	92	92	70 - 130	1	20		
1,3-Dichloropropane	102	105	70 - 130	3	20		
2,2-Dichloropropane	112	106	64 - 149	6	20		
1,1-Dichloropropene	99	91	70 - 137	8	20		
Ethylbenzene	110	105	70 - 130	5	20		
Ethylene Dibromide	96	102	67 - 130	6	20		
Hexachlorobutadiene	127	118	55 - 150	7	20		
Isopropylbenzene	115	108	65 - 132	6	20		
Methylene Chloride	65	64	55 - 147	1	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-175890

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-175890/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1106
Prep Date: 11/09/2015 1106
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31302.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-175890/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1132
Prep Date: 11/09/2015 1132
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31303.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	82	92	56 - 132	12	20		
m-Xylene & p-Xylene	116	109	70 - 130	6	20		
Naphthalene	103	116	10 - 150	12	20		
n-Butylbenzene	126	119	70 - 130	6	20		
N-Propylbenzene	112	108	69 - 130	4	20		
o-Xylene	114	109	70 - 130	4	20		
p-Isopropyltoluene	124	116	70 - 130	6	20		
sec-Butylbenzene	120	114	68 - 130	6	20		
Styrene	107	106	70 - 130	1	20		
tert-Butylbenzene	120	115	70 - 130	4	20		
1,1,1,2-Tetrachloroethane	114	111	70 - 130	2	20		
1,1,2,2-Tetrachloroethane	95	105	58 - 133	10	20		
Tetrachloroethene	107	101	47 - 150	6	20		
Toluene	104	100	70 - 130	4	20		
trans-1,2-Dichloroethene	86	84	68 - 131	3	20		
trans-1,3-Dichloropropene	103	110	60 - 130	6	20		
1,2,3-Trichlorobenzene	109	118	10 - 150	8	20		
1,2,4-Trichlorobenzene	108	114	46 - 150	5	20		
1,1,1-Trichloroethane	114	108	70 - 136	5	20		
1,1,2-Trichloroethane	96	102	70 - 130	5	20		
Trichloroethene	93	89	70 - 130	4	20		
Trichlorofluoromethane	103	106	43 - 150	3	20		
1,2,3-Trichloropropane	94	105	48 - 136	11	20		
1,2,4-Trimethylbenzene	117	114	70 - 130	3	20		
1,3,5-Trimethylbenzene	117	111	69 - 130	6	20		
Vinyl chloride	96	103	33 - 150	7	20		
Xylenes, Total	115	109	70 - 130	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	106	109	67 - 139
Dibromofluoromethane	107	109	62 - 130
1,2-Dichloroethane-d4 (Surr)	103	109	50 - 134
Toluene-d8 (Surr)	114	112	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-175890

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-175890/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1106
Prep Date: 11/09/2015 1106
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-175890/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1132
Prep Date: 11/09/2015 1132
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	0.0100	0.0100	0.009118	0.008773
Bromobenzene	0.0100	0.0100	0.01061	0.01081
Bromochloromethane	0.0100	0.0100	0.009211	0.009534
Bromodichloromethane	0.0100	0.0100	0.01065	0.01076
Bromoform	0.0100	0.0100	0.009572	0.01016
Bromomethane	0.0100	0.0100	0.009384	0.009890
2-Butanone (MEK)	0.0200	0.0200	0.01645	0.01895
Carbon tetrachloride	0.0100	0.0100	0.01166	0.01102
Chlorobenzene	0.0100	0.0100	0.01022	0.01006
Chlorodibromomethane	0.0100	0.0100	0.01070	0.01138
Chloroethane	0.0100	0.0100	0.008454	0.009050
2-Chloroethyl vinyl ether	0.0200	0.0200	0.01783	0.01945
Chloroform	0.0100	0.0100	0.01041	0.01016
Chloromethane	0.0100	0.0100	0.009907	0.01059
2-Chlorotoluene	0.0100	0.0100	0.01089	0.01060
4-Chlorotoluene	0.0100	0.0100	0.01146	0.01110
cis-1,2-Dichloroethene	0.0100	0.0100	0.008680	0.008725
cis-1,3-Dichloropropene	0.0100	0.0100	0.01024	0.01047
1,2-Dibromo-3-Chloropropane	0.0100	0.0100	0.009699	0.01046
Dibromomethane	0.0100	0.0100	0.009360	0.009641
1,2-Dichlorobenzene	0.0100	0.0100	0.01076	0.01115
1,3-Dichlorobenzene	0.0100	0.0100	0.01092	0.01084
1,4-Dichlorobenzene	0.0100	0.0100	0.01096	0.01090
Dichlorodifluoromethane	0.0100	0.0100	0.01443	0.01465
1,1-Dichloroethane	0.0100	0.0100	0.009260	0.009023
1,2-Dichloroethane	0.0100	0.0100	0.01025	0.01059
1,1-Dichloroethene	0.0100	0.0100	0.007824	0.007599
1,2-Dichloropropane	0.0100	0.0100	0.009164	0.009219
1,3-Dichloropropane	0.0100	0.0100	0.01019	0.01055
2,2-Dichloropropane	0.0100	0.0100	0.01122	0.01060
1,1-Dichloropropene	0.0100	0.0100	0.009907	0.009137
Ethylbenzene	0.0100	0.0100	0.01098	0.01049
Ethylene Dibromide	0.0100	0.0100	0.009616	0.01021
Hexachlorobutadiene	0.0100	0.0100	0.01267	0.01183
Isopropylbenzene	0.0100	0.0100	0.01147	0.01079
Methylene Chloride	0.0100	0.0100	0.006481	0.006385
Methyl tert-butyl ether	0.0100	0.0100	0.008204	0.009209
m-Xylene & p-Xylene	0.0100	0.0100	0.01160	0.01093
Naphthalene	0.0100	0.0100	0.01031	0.01161

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-175890

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-175890/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1106
Prep Date: 11/09/2015 1106
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-175890/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1132
Prep Date: 11/09/2015 1132
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	0.0100	0.0100	0.01263	0.01190
N-Propylbenzene	0.0100	0.0100	0.01124	0.01075
o-Xylene	0.0100	0.0100	0.01140	0.01091
p-Isopropyltoluene	0.0100	0.0100	0.01236	0.01159
sec-Butylbenzene	0.0100	0.0100	0.01203	0.01136
Styrene	0.0100	0.0100	0.01072	0.01059
tert-Butylbenzene	0.0100	0.0100	0.01198	0.01147
1,1,1,2-Tetrachloroethane	0.0100	0.0100	0.01138	0.01110
1,1,2,2-Tetrachloroethane	0.0100	0.0100	0.009493	0.01052
Tetrachloroethene	0.0100	0.0100	0.01073	0.01008
Toluene	0.0100	0.0100	0.01039	0.009977
trans-1,2-Dichloroethene	0.0100	0.0100	0.008615	0.008366
trans-1,3-Dichloropropene	0.0100	0.0100	0.01032	0.01097
1,2,3-Trichlorobenzene	0.0100	0.0100	0.01089	0.01179
1,2,4-Trichlorobenzene	0.0100	0.0100	0.01078	0.01137
1,1,1-Trichloroethane	0.0100	0.0100	0.01137	0.01081
1,1,2-Trichloroethane	0.0100	0.0100	0.009643	0.01017
Trichloroethene	0.0100	0.0100	0.009313	0.008923
Trichlorofluoromethane	0.0100	0.0100	0.01031	0.01062
1,2,3-Trichloropropane	0.0100	0.0100	0.009439	0.01050
1,2,4-Trimethylbenzene	0.0100	0.0100	0.01169	0.01135
1,3,5-Trimethylbenzene	0.0100	0.0100	0.01173	0.01108
Vinyl chloride	0.0100	0.0100	0.009631	0.01034
Xylenes, Total	0.0200	0.0200	0.02300	0.02184

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-175890

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1614
Prep Date: 11/09/2015 1614
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31314.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1639
Prep Date: 11/09/2015 1639
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31315.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	90	90	70 - 130	0	30		
Bromobenzene	104	107	70 - 130	3	30		
Bromochloromethane	91	92	58 - 130	1	30		
Bromodichloromethane	112	111	70 - 131	1	30		
Bromoform	102	98	54 - 133	4	30		
Bromomethane	93	98	25 - 150	5	30		
2-Butanone (MEK)	96	92	41 - 141	4	30		
Carbon tetrachloride	115	112	70 - 144	2	30		
Chlorobenzene	102	100	69 - 130	2	30		
Chlorodibromomethane	109	107	62 - 130	2	30		
Chloroethane	84	87	47 - 150	3	30		
2-Chloroethyl vinyl ether	0	0	10 - 150	NC	30	U F1	U F1
Chloroform	108	105	70 - 130	3	30		
Chloromethane	110	111	10 - 150	1	30		
2-Chlorotoluene	108	109	70 - 130	1	30		
4-Chlorotoluene	113	114	70 - 130	1	30		
cis-1,2-Dichloroethene	88	88	68 - 130	1	30		
cis-1,3-Dichloropropene	103	102	57 - 130	2	30		
1,2-Dibromo-3-Chloropropane	104	99	41 - 142	5	30		
Dibromomethane	100	97	70 - 130	2	30		
1,2-Dichlorobenzene	110	111	70 - 130	1	30		
1,3-Dichlorobenzene	108	110	70 - 130	1	30		
1,4-Dichlorobenzene	110	110	70 - 130	0	30		
Dichlorodifluoromethane	140	146	10 - 150	4	30		
1,1-Dichloroethane	91	91	70 - 140	0	30		
1,2-Dichloroethane	111	107	67 - 134	4	30		
1,1-Dichloroethene	75	74	58 - 148	0	30		
1,2-Dichloropropane	95	95	70 - 130	0	30		
1,3-Dichloropropane	106	102	70 - 130	3	30		
2,2-Dichloropropane	110	107	64 - 149	3	30		
1,1-Dichloropropene	96	96	70 - 137	0	30		
Ethylbenzene	106	106	70 - 130	1	30		
Ethylene Dibromide	100	100	67 - 130	0	30		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-175890

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1614
Prep Date: 11/09/2015 1614
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31314.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1639
Prep Date: 11/09/2015 1639
Leach Date: N/A

Analysis Batch: 600-175890
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31315.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Hexachlorobutadiene	119	126	55 - 150	5	30		
Isopropylbenzene	109	111	65 - 132	1	30		
Methylene Chloride	61	61	55 - 147	1	30		
Methyl tert-butyl ether	91	91	56 - 132	0	30		
m-Xylene & p-Xylene	114	112	70 - 130	2	30		
Naphthalene	99	112	10 - 150	12	30		
n-Butylbenzene	123	123	70 - 130	0	30		
N-Propylbenzene	110	110	69 - 130	0	30		
o-Xylene	113	112	70 - 130	1	30		
p-Isopropyltoluene	120	120	70 - 130	0	30		
sec-Butylbenzene	117	117	68 - 130	0	30		
Styrene	76	80	70 - 130	5	30		
tert-Butylbenzene	117	118	70 - 130	1	30		
1,1,1,2-Tetrachloroethane	113	112	70 - 130	1	30		
1,1,2,2-Tetrachloroethane	102	103	58 - 133	1	30		
Tetrachloroethene	100	100	47 - 150	0	30		
Toluene	100	98	70 - 130	2	30		
trans-1,2-Dichloroethene	83	85	68 - 131	3	30		
trans-1,3-Dichloropropene	108	107	60 - 130	1	30		
1,2,3-Trichlorobenzene	107	117	10 - 150	8	30		
1,2,4-Trichlorobenzene	106	112	46 - 150	5	30		
1,1,1-Trichloroethane	109	108	70 - 136	1	30		
1,1,2-Trichloroethane	102	103	70 - 130	1	30		
Trichloroethene	90	91	70 - 130	1	30		
Trichlorofluoromethane	104	106	43 - 150	2	30		
1,2,3-Trichloropropane	96	102	48 - 136	6	30		
1,2,4-Trimethylbenzene	116	116	70 - 130	0	30		
1,3,5-Trimethylbenzene	114	115	69 - 130	1	30		
Vinyl chloride	96	101	33 - 150	5	30		
Xylenes, Total	113	112	70 - 130	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	109	67 - 139
Dibromofluoromethane	110	111	62 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	108	50 - 134
Toluene-d8 (Surr)	110	110	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-175890**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 600-121181-3 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1614
Prep Date: 11/09/2015 1614
Leach Date: N/A

MSD Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1639
Prep Date: 11/09/2015 1639
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.000176 U	0.0100	0.0100	0.009046	0.009012
Bromobenzene	0.000195 U	0.0100	0.0100	0.01044	0.01074
Bromochloromethane	0.000162 U	0.0100	0.0100	0.009105	0.009212
Bromodichloromethane	0.000153 U	0.0100	0.0100	0.01120	0.01111
Bromoform	0.000151 U	0.0100	0.0100	0.01021	0.009819
Bromomethane	0.000250 U	0.0100	0.0100	0.009288	0.009772
2-Butanone (MEK)	0.000760 U	0.0200	0.0200	0.01914	0.01836
Carbon tetrachloride	0.000183 U	0.0100	0.0100	0.01147	0.01121
Chlorobenzene	0.000185 U	0.0100	0.0100	0.01017	0.01000
Chlorodibromomethane	0.000119 U	0.0100	0.0100	0.01089	0.01066
Chloroethane	0.000240 U	0.0100	0.0100	0.008426	0.008664
2-Chloroethyl vinyl ether	0.000500 U	0.0200	0.0200	0.000500 U F1	0.000500 U F1
Chloroform	0.000151 U	0.0100	0.0100	0.01080	0.01048
Chloromethane	0.000209 U	0.0100	0.0100	0.01102	0.01110
2-Chlorotoluene	0.000226 U	0.0100	0.0100	0.01075	0.01086
4-Chlorotoluene	0.000210 U	0.0100	0.0100	0.01134	0.01141
cis-1,2-Dichloroethene	0.000157 U	0.0100	0.0100	0.008791	0.008839
cis-1,3-Dichloropropene	0.000160 U	0.0100	0.0100	0.01033	0.01016
1,2-Dibromo-3-Chloropropane	0.000810 U	0.0100	0.0100	0.01045	0.009943
Dibromomethane	0.000520 U	0.0100	0.0100	0.009954	0.009740
1,2-Dichlorobenzene	0.000153 U	0.0100	0.0100	0.01096	0.01112
1,3-Dichlorobenzene	0.000210 U	0.0100	0.0100	0.01084	0.01100
1,4-Dichlorobenzene	0.000176 U	0.0100	0.0100	0.01100	0.01101
Dichlorodifluoromethane	0.000859 U	0.0100	0.0100	0.01400	0.01461
1,1-Dichloroethane	0.000315 J	0.0100	0.0100	0.009420	0.009453
1,2-Dichloroethane	0.000116 U	0.0100	0.0100	0.01107	0.01067
1,1-Dichloroethene	0.000842 J	0.0100	0.0100	0.008301	0.008278
1,2-Dichloropropane	0.000136 U	0.0100	0.0100	0.009483	0.009484
1,3-Dichloropropane	0.000220 U	0.0100	0.0100	0.01058	0.01025
2,2-Dichloropropane	0.000258 U	0.0100	0.0100	0.01099	0.01070
1,1-Dichloropropene	0.000191 U	0.0100	0.0100	0.009584	0.009566
Ethylbenzene	0.000212 U	0.0100	0.0100	0.01062	0.01056
Ethylene Dibromide	0.000111 U	0.0100	0.0100	0.01002	0.01001
Hexachlorobutadiene	0.000215 U	0.0100	0.0100	0.01192	0.01259
Isopropylbenzene	0.000241 U	0.0100	0.0100	0.01093	0.01107
Methylene Chloride	0.000176 U	0.0100	0.0100	0.006089	0.006128
Methyl tert-butyl ether	0.000105 U	0.0100	0.0100	0.009067	0.009064
m-Xylene & p-Xylene	0.000205 U	0.0100	0.0100	0.01139	0.01118
Naphthalene	0.000129 U	0.0100	0.0100	0.009916	0.01121
n-Butylbenzene	0.000212 U	0.0100	0.0100	0.01225	0.01225
N-Propylbenzene	0.000230 U	0.0100	0.0100	0.01096	0.01099
o-Xylene	0.000192 U	0.0100	0.0100	0.01127	0.01118
p-Isopropyltoluene	0.000228 U	0.0100	0.0100	0.01200	0.01197

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-175890

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-3 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1614
Prep Date: 11/09/2015 1614
Leach Date: N/A

MSD Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2015 1639
Prep Date: 11/09/2015 1639
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
sec-Butylbenzene	0.000224 U	0.0100	0.0100	0.01170	0.01168
Styrene	0.000175 U	0.0100	0.0100	0.007597	0.007962
tert-Butylbenzene	0.000216 U	0.0100	0.0100	0.01170	0.01179
1,1,1,2-Tetrachloroethane	0.000178 U	0.0100	0.0100	0.01131	0.01121
1,1,2,2-Tetrachloroethane	0.000197 U	0.0100	0.0100	0.01020	0.01032
Tetrachloroethene	0.00144	0.0100	0.0100	0.01143	0.01145
Toluene	0.000198 U	0.0100	0.0100	0.01002	0.009812
trans-1,2-Dichloroethene	0.000192 U	0.0100	0.0100	0.008272	0.008515
trans-1,3-Dichloropropene	0.000137 U	0.0100	0.0100	0.01081	0.01073
1,2,3-Trichlorobenzene	0.000570 U	0.0100	0.0100	0.01075	0.01167
1,2,4-Trichlorobenzene	0.000177 U	0.0100	0.0100	0.01064	0.01120
1,1,1-Trichloroethane	0.000209 U	0.0100	0.0100	0.01094	0.01080
1,1,2-Trichloroethane	0.000209 U	0.0100	0.0100	0.01023	0.01032
Trichloroethene	0.000360 J	0.0100	0.0100	0.009368	0.009423
Trichlorofluoromethane	0.000244 U	0.0100	0.0100	0.01037	0.01057
1,2,3-Trichloropropane	0.000290 U	0.0100	0.0100	0.009620	0.01017
1,2,4-Trimethylbenzene	0.000215 U	0.0100	0.0100	0.01162	0.01163
1,3,5-Trimethylbenzene	0.000210 U	0.0100	0.0100	0.01142	0.01148
Vinyl chloride	0.000248 U	0.0100	0.0100	0.009559	0.01005
Xylenes, Total	0.000366 U	0.0200	0.0200	0.02266	0.02236

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176006

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176006/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1220
Prep Date: 11/10/2015 1220
Leach Date: N/A

Analysis Batch: 600-176006
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31405.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176006

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176006/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/10/2015 1220
 Prep Date: 11/10/2015 1220
 Leach Date: N/A

Analysis Batch: 600-176006
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/L

Instrument ID: CHVOAMS07
 Lab File ID: A31405.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.000216	U	0.000216	0.00100
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	67 - 139
Dibromofluoromethane	96	62 - 130
1,2-Dichloroethane-d4 (Surr)	101	50 - 134
Toluene-d8 (Surr)	114	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176006

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176006/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1103
Prep Date: 11/10/2015 1103
Leach Date: N/A

Analysis Batch: 600-176006
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31402.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176006/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1128
Prep Date: 11/10/2015 1128
Leach Date: N/A

Analysis Batch: 600-176006
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31403.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	86	84	70 - 130	2	20		
Bromobenzene	107	102	70 - 130	6	20		
Bromochloromethane	87	88	58 - 130	1	20		
Bromodichloromethane	100	103	70 - 131	3	20		
Bromoform	99	100	54 - 133	1	20		
Bromomethane	83	93	25 - 150	11	20		
2-Butanone (MEK)	79	84	41 - 141	6	20		
Carbon tetrachloride	112	106	70 - 144	6	20		
Chlorobenzene	102	100	69 - 130	2	20		
Chlorodibromomethane	107	109	62 - 130	2	20		
Chloroethane	78	87	47 - 150	11	20		
2-Chloroethyl vinyl ether	80	87	10 - 150	9	20		
Chloroform	100	97	70 - 130	2	20		
Chloromethane	94	105	10 - 150	11	20		
2-Chlorotoluene	113	104	65 - 130	8	20		
4-Chlorotoluene	119	107	70 - 130	10	20		
cis-1,2-Dichloroethene	84	82	68 - 130	2	20		
cis-1,3-Dichloropropene	105	103	57 - 130	2	20		
1,2-Dibromo-3-Chloropropane	105	96	41 - 142	9	20		
Dibromomethane	86	92	70 - 130	6	20		
1,2-Dichlorobenzene	111	106	70 - 130	4	20		
1,3-Dichlorobenzene	113	106	70 - 130	6	20		
1,4-Dichlorobenzene	112	107	70 - 130	5	20		
Dichlorodifluoromethane	131	145	10 - 150	10	20		
1,1-Dichloroethane	86	84	70 - 140	3	20		
1,2-Dichloroethane	98	99	67 - 134	1	20		
1,1-Dichloroethene	70	71	58 - 148	1	20		
1,2-Dichloropropane	89	88	70 - 130	1	20		
1,3-Dichloropropane	100	102	70 - 130	2	20		
2,2-Dichloropropane	105	101	64 - 149	4	20		
1,1-Dichloropropene	94	92	70 - 137	2	20		
Ethylbenzene	109	106	70 - 130	3	20		
Ethylene Dibromide	97	100	67 - 130	4	20		
Hexachlorobutadiene	128	117	55 - 150	9	20		
Isopropylbenzene	117	107	65 - 132	9	20		
Methylene Chloride	66	67	55 - 147	2	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176006

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176006/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1103
Prep Date: 11/10/2015 1103
Leach Date: N/A

Analysis Batch: 600-176006
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31402.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176006/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1128
Prep Date: 11/10/2015 1128
Leach Date: N/A

Analysis Batch: 600-176006
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31403.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	77	81	56 - 132	5	20		
m-Xylene & p-Xylene	117	111	70 - 130	6	20		
Naphthalene	104	108	10 - 150	4	20		
n-Butylbenzene	130	117	70 - 130	10	20		
N-Propylbenzene	118	105	69 - 130	11	20		
o-Xylene	113	110	70 - 130	3	20		
p-Isopropyltoluene	128	115	70 - 130	11	20		
sec-Butylbenzene	125	113	68 - 130	10	20		
Styrene	106	106	70 - 130	0	20		
tert-Butylbenzene	125	114	70 - 130	9	20		
1,1,1,2-Tetrachloroethane	115	113	70 - 130	1	20		
1,1,2,2-Tetrachloroethane	95	97	58 - 133	2	20		
Tetrachloroethene	109	102	47 - 150	7	20		
Toluene	103	98	70 - 130	6	20		
trans-1,2-Dichloroethene	82	78	68 - 131	5	20		
trans-1,3-Dichloropropene	106	106	60 - 130	0	20		
1,2,3-Trichlorobenzene	113	109	10 - 150	4	20		
1,2,4-Trichlorobenzene	110	106	46 - 150	4	20		
1,1,1-Trichloroethane	107	104	70 - 136	3	20		
1,1,2-Trichloroethane	98	102	70 - 130	4	20		
Trichloroethene	90	87	70 - 130	3	20		
Trichlorofluoromethane	96	104	43 - 150	9	20		
1,2,3-Trichloropropane	92	95	48 - 136	3	20		
1,2,4-Trimethylbenzene	121	110	70 - 130	9	20		
1,3,5-Trimethylbenzene	122	109	69 - 130	11	20		
Vinyl chloride	87	98	33 - 150	12	20		
Xylenes, Total	115	110	70 - 130	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	106	67 - 139
Dibromofluoromethane	107	109	62 - 130
1,2-Dichloroethane-d4 (Surr)	102	106	50 - 134
Toluene-d8 (Surr)	116	114	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176006

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176006/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1103
Prep Date: 11/10/2015 1103
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176006/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1128
Prep Date: 11/10/2015 1128
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	0.0100	0.0100	0.008584	0.008381
Bromobenzene	0.0100	0.0100	0.01075	0.01016
Bromochloromethane	0.0100	0.0100	0.008689	0.008766
Bromodichloromethane	0.0100	0.0100	0.01003	0.01030
Bromoform	0.0100	0.0100	0.009929	0.01005
Bromomethane	0.0100	0.0100	0.008259	0.009252
2-Butanone (MEK)	0.0200	0.0200	0.01583	0.01684
Carbon tetrachloride	0.0100	0.0100	0.01123	0.01060
Chlorobenzene	0.0100	0.0100	0.01022	0.009985
Chlorodibromomethane	0.0100	0.0100	0.01068	0.01093
Chloroethane	0.0100	0.0100	0.007807	0.008675
2-Chloroethyl vinyl ether	0.0200	0.0200	0.01601	0.01745
Chloroform	0.0100	0.0100	0.009962	0.009742
Chloromethane	0.0100	0.0100	0.009446	0.01051
2-Chlorotoluene	0.0100	0.0100	0.01131	0.01043
4-Chlorotoluene	0.0100	0.0100	0.01189	0.01074
cis-1,2-Dichloroethene	0.0100	0.0100	0.008396	0.008240
cis-1,3-Dichloropropene	0.0100	0.0100	0.01048	0.01029
1,2-Dibromo-3-Chloropropane	0.0100	0.0100	0.01051	0.009628
Dibromomethane	0.0100	0.0100	0.008631	0.009161
1,2-Dichlorobenzene	0.0100	0.0100	0.01107	0.01060
1,3-Dichlorobenzene	0.0100	0.0100	0.01126	0.01058
1,4-Dichlorobenzene	0.0100	0.0100	0.01117	0.01065
Dichlorodifluoromethane	0.0100	0.0100	0.01315	0.01447
1,1-Dichloroethane	0.0100	0.0100	0.008634	0.008351
1,2-Dichloroethane	0.0100	0.0100	0.009835	0.009898
1,1-Dichloroethene	0.0100	0.0100	0.007021	0.007066
1,2-Dichloropropane	0.0100	0.0100	0.008885	0.008776
1,3-Dichloropropane	0.0100	0.0100	0.009984	0.01023
2,2-Dichloropropane	0.0100	0.0100	0.01050	0.01013
1,1-Dichloropropene	0.0100	0.0100	0.009383	0.009163
Ethylbenzene	0.0100	0.0100	0.01091	0.01061
Ethylene Dibromide	0.0100	0.0100	0.009659	0.01004
Hexachlorobutadiene	0.0100	0.0100	0.01279	0.01174
Isopropylbenzene	0.0100	0.0100	0.01173	0.01068
Methylene Chloride	0.0100	0.0100	0.006569	0.006677
Methyl tert-butyl ether	0.0100	0.0100	0.007748	0.008144
m-Xylene & p-Xylene	0.0100	0.0100	0.01174	0.01107
Naphthalene	0.0100	0.0100	0.01035	0.01078

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176006

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176006/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1103
Prep Date: 11/10/2015 1103
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176006/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/10/2015 1128
Prep Date: 11/10/2015 1128
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	0.0100	0.0100	0.01297	0.01168
N-Propylbenzene	0.0100	0.0100	0.01175	0.01049
o-Xylene	0.0100	0.0100	0.01130	0.01097
p-Isopropyltoluene	0.0100	0.0100	0.01282	0.01147
sec-Butylbenzene	0.0100	0.0100	0.01251	0.01130
Styrene	0.0100	0.0100	0.01063	0.01064
tert-Butylbenzene	0.0100	0.0100	0.01253	0.01140
1,1,1,2-Tetrachloroethane	0.0100	0.0100	0.01148	0.01131
1,1,2,2-Tetrachloroethane	0.0100	0.0100	0.009521	0.009733
Tetrachloroethene	0.0100	0.0100	0.01091	0.01020
Toluene	0.0100	0.0100	0.01035	0.009762
trans-1,2-Dichloroethene	0.0100	0.0100	0.008210	0.007799
trans-1,3-Dichloropropene	0.0100	0.0100	0.01065	0.01064
1,2,3-Trichlorobenzene	0.0100	0.0100	0.01131	0.01090
1,2,4-Trichlorobenzene	0.0100	0.0100	0.01102	0.01061
1,1,1-Trichloroethane	0.0100	0.0100	0.01070	0.01037
1,1,2-Trichloroethane	0.0100	0.0100	0.009804	0.01016
Trichloroethene	0.0100	0.0100	0.008965	0.008726
Trichlorofluoromethane	0.0100	0.0100	0.009568	0.01042
1,2,3-Trichloropropane	0.0100	0.0100	0.009216	0.009523
1,2,4-Trimethylbenzene	0.0100	0.0100	0.01212	0.01103
1,3,5-Trimethylbenzene	0.0100	0.0100	0.01218	0.01095
Vinyl chloride	0.0100	0.0100	0.008695	0.009832
Xylenes, Total	0.0200	0.0200	0.02304	0.02204

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176120

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176120/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1120
Prep Date: 11/11/2015 1120
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31505.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.000129	U	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176120

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176120/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/11/2015 1120
 Prep Date: 11/11/2015 1120
 Leach Date: N/A

Analysis Batch: 600-176120
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/L

Instrument ID: CHVOAMS07
 Lab File ID: A31505.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.000216	U	0.000216	0.00100
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	67 - 139
Dibromofluoromethane	99	62 - 130
1,2-Dichloroethane-d4 (Surr)	103	50 - 134
Toluene-d8 (Surr)	111	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176120

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176120/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1003
Prep Date: 11/11/2015 1003
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31502.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176120/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1028
Prep Date: 11/11/2015 1028
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31503.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	87	70 - 130	2	20		
Bromobenzene	109	110	70 - 130	1	20		
Bromochloromethane	89	92	58 - 130	3	20		
Bromodichloromethane	106	109	70 - 131	3	20		
Bromoform	99	102	54 - 133	3	20		
Bromomethane	86	93	25 - 150	8	20		
2-Butanone (MEK)	86	93	41 - 141	8	20		
Carbon tetrachloride	111	112	70 - 144	1	20		
Chlorobenzene	102	102	69 - 130	0	20		
Chlorodibromomethane	110	113	62 - 130	2	20		
Chloroethane	84	86	47 - 150	2	20		
2-Chloroethyl vinyl ether	82	87	10 - 150	6	20		
Chloroform	101	104	70 - 130	2	20		
Chloromethane	97	101	10 - 150	4	20		
2-Chlorotoluene	109	112	65 - 130	3	20		
4-Chlorotoluene	115	118	70 - 130	3	20		
cis-1,2-Dichloroethene	82	86	68 - 130	4	20		
cis-1,3-Dichloropropene	103	106	57 - 130	3	20		
1,2-Dibromo-3-Chloropropane	99	106	41 - 142	7	20		
Dibromomethane	88	94	70 - 130	7	20		
1,2-Dichlorobenzene	109	113	70 - 130	4	20		
1,3-Dichlorobenzene	111	113	70 - 130	1	20		
1,4-Dichlorobenzene	107	112	70 - 130	4	20		
Dichlorodifluoromethane	137	138	10 - 150	0	20		
1,1-Dichloroethane	85	87	70 - 140	3	20		
1,2-Dichloroethane	100	103	67 - 134	3	20		
1,1-Dichloroethene	71	70	58 - 148	1	20		
1,2-Dichloropropane	90	93	70 - 130	3	20		
1,3-Dichloropropane	103	105	70 - 130	2	20		
2,2-Dichloropropane	105	104	64 - 149	0	20		
1,1-Dichloropropene	92	92	70 - 137	0	20		
Ethylbenzene	108	108	70 - 130	0	20		
Ethylene Dibromide	99	105	67 - 130	6	20		
Hexachlorobutadiene	125	129	55 - 150	4	20		
Isopropylbenzene	116	115	65 - 132	1	20		
Methylene Chloride	57	61	55 - 147	7	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176120

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176120/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1003
Prep Date: 11/11/2015 1003
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31502.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176120/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1028
Prep Date: 11/11/2015 1028
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31503.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	77	84	56 - 132	8	20		
m-Xylene & p-Xylene	115	114	70 - 130	1	20		
Naphthalene	107	114	10 - 150	7	20		
n-Butylbenzene	126	126	70 - 130	0	20		
N-Propylbenzene	115	116	69 - 130	1	20		
o-Xylene	112	113	70 - 130	1	20		
p-Isopropyltoluene	124	125	70 - 130	1	20		
sec-Butylbenzene	123	122	68 - 130	0	20		
Styrene	108	109	70 - 130	1	20		
tert-Butylbenzene	123	124	70 - 130	1	20		
1,1,1,2-Tetrachloroethane	116	118	70 - 130	2	20		
1,1,2,2-Tetrachloroethane	99	103	58 - 133	5	20		
Tetrachloroethene	103	104	47 - 150	1	20		
Toluene	100	101	70 - 130	1	20		
trans-1,2-Dichloroethene	79	83	68 - 131	4	20		
trans-1,3-Dichloropropene	108	113	60 - 130	5	20		
1,2,3-Trichlorobenzene	111	119	10 - 150	7	20		
1,2,4-Trichlorobenzene	110	115	46 - 150	5	20		
1,1,1-Trichloroethane	106	107	70 - 136	1	20		
1,1,2-Trichloroethane	102	103	70 - 130	1	20		
Trichloroethene	89	91	70 - 130	2	20		
Trichlorofluoromethane	102	103	43 - 150	1	20		
1,2,3-Trichloropropane	100	99	48 - 136	1	20		
1,2,4-Trimethylbenzene	119	119	70 - 130	0	20		
1,3,5-Trimethylbenzene	119	119	69 - 130	0	20		
Vinyl chloride	91	96	33 - 150	5	20		
Xylenes, Total	114	114	70 - 130	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	107	109	67 - 139
Dibromofluoromethane	108	111	62 - 130
1,2-Dichloroethane-d4 (Surr)	105	107	50 - 134
Toluene-d8 (Surr)	114	112	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176120

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176120/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1003
Prep Date: 11/11/2015 1003
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176120/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1028
Prep Date: 11/11/2015 1028
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	0.0100	0.0100	0.008489	0.008686
Bromobenzene	0.0100	0.0100	0.01087	0.01097
Bromochloromethane	0.0100	0.0100	0.008929	0.009169
Bromodichloromethane	0.0100	0.0100	0.01064	0.01092
Bromoform	0.0100	0.0100	0.009917	0.01024
Bromomethane	0.0100	0.0100	0.008583	0.009318
2-Butanone (MEK)	0.0200	0.0200	0.01712	0.01851
Carbon tetrachloride	0.0100	0.0100	0.01106	0.01122
Chlorobenzene	0.0100	0.0100	0.01020	0.01023
Chlorodibromomethane	0.0100	0.0100	0.01102	0.01126
Chloroethane	0.0100	0.0100	0.008429	0.008592
2-Chloroethyl vinyl ether	0.0200	0.0200	0.01643	0.01744
Chloroform	0.0100	0.0100	0.01014	0.01038
Chloromethane	0.0100	0.0100	0.009710	0.01007
2-Chlorotoluene	0.0100	0.0100	0.01094	0.01123
4-Chlorotoluene	0.0100	0.0100	0.01151	0.01185
cis-1,2-Dichloroethene	0.0100	0.0100	0.008241	0.008604
cis-1,3-Dichloropropene	0.0100	0.0100	0.01028	0.01061
1,2-Dibromo-3-Chloropropane	0.0100	0.0100	0.009869	0.01055
Dibromomethane	0.0100	0.0100	0.008775	0.009431
1,2-Dichlorobenzene	0.0100	0.0100	0.01086	0.01127
1,3-Dichlorobenzene	0.0100	0.0100	0.01112	0.01126
1,4-Dichlorobenzene	0.0100	0.0100	0.01072	0.01116
Dichlorodifluoromethane	0.0100	0.0100	0.01373	0.01380
1,1-Dichloroethane	0.0100	0.0100	0.008458	0.008748
1,2-Dichloroethane	0.0100	0.0100	0.009995	0.01026
1,1-Dichloroethene	0.0100	0.0100	0.007088	0.007007
1,2-Dichloropropane	0.0100	0.0100	0.008986	0.009286
1,3-Dichloropropane	0.0100	0.0100	0.01031	0.01048
2,2-Dichloropropane	0.0100	0.0100	0.01046	0.01045
1,1-Dichloropropene	0.0100	0.0100	0.009198	0.009244
Ethylbenzene	0.0100	0.0100	0.01085	0.01085
Ethylene Dibromide	0.0100	0.0100	0.009934	0.01050
Hexachlorobutadiene	0.0100	0.0100	0.01247	0.01293
Isopropylbenzene	0.0100	0.0100	0.01157	0.01151
Methylene Chloride	0.0100	0.0100	0.005667	0.006094
Methyl tert-butyl ether	0.0100	0.0100	0.007735	0.008414
m-Xylene & p-Xylene	0.0100	0.0100	0.01152	0.01143
Naphthalene	0.0100	0.0100	0.01068	0.01140

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176120

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176120/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1003
Prep Date: 11/11/2015 1003
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176120/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1028
Prep Date: 11/11/2015 1028
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	0.0100	0.0100	0.01264	0.01261
N-Propylbenzene	0.0100	0.0100	0.01151	0.01160
o-Xylene	0.0100	0.0100	0.01122	0.01130
p-Isopropyltoluene	0.0100	0.0100	0.01237	0.01249
sec-Butylbenzene	0.0100	0.0100	0.01228	0.01223
Styrene	0.0100	0.0100	0.01083	0.01093
tert-Butylbenzene	0.0100	0.0100	0.01226	0.01235
1,1,1,2-Tetrachloroethane	0.0100	0.0100	0.01161	0.01182
1,1,2,2-Tetrachloroethane	0.0100	0.0100	0.009851	0.01033
Tetrachloroethene	0.0100	0.0100	0.01033	0.01044
Toluene	0.0100	0.0100	0.01001	0.01014
trans-1,2-Dichloroethene	0.0100	0.0100	0.007899	0.008254
trans-1,3-Dichloropropene	0.0100	0.0100	0.01078	0.01130
1,2,3-Trichlorobenzene	0.0100	0.0100	0.01108	0.01188
1,2,4-Trichlorobenzene	0.0100	0.0100	0.01104	0.01155
1,1,1-Trichloroethane	0.0100	0.0100	0.01063	0.01071
1,1,2-Trichloroethane	0.0100	0.0100	0.01022	0.01033
Trichloroethene	0.0100	0.0100	0.008900	0.009116
Trichlorofluoromethane	0.0100	0.0100	0.01021	0.01032
1,2,3-Trichloropropane	0.0100	0.0100	0.01003	0.009889
1,2,4-Trimethylbenzene	0.0100	0.0100	0.01195	0.01195
1,3,5-Trimethylbenzene	0.0100	0.0100	0.01189	0.01192
Vinyl chloride	0.0100	0.0100	0.009147	0.009636
Xylenes, Total	0.0200	0.0200	0.02274	0.02273

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-176120

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1329
Prep Date: 11/11/2015 1329
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31510.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 600-121181-28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1355
Prep Date: 11/11/2015 1355
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31511.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	87	82	70 - 130	6	30		
Bromobenzene	106	103	70 - 130	2	30		
Bromochloromethane	93	92	58 - 130	1	30		
Bromodichloromethane	111	104	70 - 131	6	30		
Bromoform	98	96	54 - 133	2	30		
Bromomethane	70	74	25 - 150	6	30		
2-Butanone (MEK)	86	92	41 - 141	6	30		
Carbon tetrachloride	107	98	70 - 144	9	30		
Chlorobenzene	103	99	69 - 130	4	30		
Chlorodibromomethane	114	109	62 - 130	4	30		
Chloroethane	75	84	47 - 150	10	30		
2-Chloroethyl vinyl ether	4	0	10 - 150	NC	30	J F1	U F1
Chloroform	102	94	70 - 130	8	30		
Chloromethane	85	91	10 - 150	7	30		
2-Chlorotoluene	108	102	70 - 130	6	30		
4-Chlorotoluene	111	104	70 - 130	7	30		
cis-1,2-Dichloroethene	85	80	68 - 130	6	30		
cis-1,3-Dichloropropene	105	99	57 - 130	5	30		
1,2-Dibromo-3-Chloropropane	112	109	41 - 142	3	30		
Dibromomethane	99	93	70 - 130	6	30		
1,2-Dichlorobenzene	110	106	70 - 130	3	30		
1,3-Dichlorobenzene	106	102	70 - 130	4	30		
1,4-Dichlorobenzene	106	102	70 - 130	4	30		
Dichlorodifluoromethane	119	122	10 - 150	3	30		
1,1-Dichloroethane	87	80	70 - 140	8	30		
1,2-Dichloroethane	108	99	67 - 134	8	30		
1,1-Dichloroethene	69	66	58 - 148	4	30		
1,2-Dichloropropane	94	89	70 - 130	5	30		
1,3-Dichloropropane	106	103	70 - 130	3	30		
2,2-Dichloropropane	103	93	64 - 149	9	30		
1,1-Dichloropropene	94	86	70 - 137	9	30		
Ethylbenzene	107	103	70 - 130	4	30		
Ethylene Dibromide	107	108	67 - 130	1	30		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-176120

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1329
Prep Date: 11/11/2015 1329
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31510.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 600-121181-28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1355
Prep Date: 11/11/2015 1355
Leach Date: N/A

Analysis Batch: 600-176120
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A31511.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Hexachlorobutadiene	125	113	55 - 150	9	30		
Isopropylbenzene	108	101	65 - 132	7	30		
Methylene Chloride	58	54	55 - 147	6	30		F1
Methyl tert-butyl ether	88	87	56 - 132	1	30		
m-Xylene & p-Xylene	114	106	70 - 130	7	30		
Naphthalene	38	45	10 - 150	5	30		
n-Butylbenzene	119	109	70 - 130	9	30		
N-Propylbenzene	109	103	69 - 130	5	30		
o-Xylene	113	107	70 - 130	6	30		
p-Isopropyltoluene	115	107	70 - 130	8	30		
sec-Butylbenzene	80	72	68 - 130	8	30		
Styrene	111	108	70 - 130	4	30		
tert-Butylbenzene	115	108	70 - 130	7	30		
1,1,1,2-Tetrachloroethane	117	110	70 - 130	6	30		
1,1,2,2-Tetrachloroethane	98	97	58 - 133	1	30		
Tetrachloroethene	101	98	47 - 150	3	30		
Toluene	98	93	70 - 130	6	30		
trans-1,2-Dichloroethene	82	78	68 - 131	5	30		
trans-1,3-Dichloropropene	117	111	60 - 130	5	30		
1,2,3-Trichlorobenzene	120	124	10 - 150	4	30		
1,2,4-Trichlorobenzene	121	117	46 - 150	3	30		
1,1,1-Trichloroethane	104	95	70 - 136	9	30		
1,1,2-Trichloroethane	112	111	70 - 130	1	30		
Trichloroethene	90	86	70 - 130	4	30		
Trichlorofluoromethane	91	97	43 - 150	6	30		
1,2,3-Trichloropropane	99	97	48 - 136	2	30		
1,2,4-Trimethylbenzene	114	105	70 - 130	8	30		
1,3,5-Trimethylbenzene	112	104	69 - 130	8	30		
Vinyl chloride	79	89	33 - 150	12	30		
Xylenes, Total	113	107	70 - 130	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	106	106	67 - 139
Dibromofluoromethane	112	114	62 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	108	50 - 134
Toluene-d8 (Surr)	112	112	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-176120

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-28 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1329
Prep Date: 11/11/2015 1329
Leach Date: N/A

MSD Lab Sample ID: 600-121181-28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1355
Prep Date: 11/11/2015 1355
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.000176 U	0.0100	0.0100	0.008658	0.008151
Bromobenzene	0.000195 U	0.0100	0.0100	0.01058	0.01033
Bromochloromethane	0.000162 U	0.0100	0.0100	0.009284	0.009163
Bromodichloromethane	0.000153 U	0.0100	0.0100	0.01112	0.01044
Bromoform	0.000151 U	0.0100	0.0100	0.009822	0.009629
Bromomethane	0.000250 U	0.0100	0.0100	0.006958	0.007365
2-Butanone (MEK)	0.000760 U	0.0200	0.0200	0.01729	0.01838
Carbon tetrachloride	0.000183 U	0.0100	0.0100	0.01072	0.009790
Chlorobenzene	0.000185 U	0.0100	0.0100	0.01033	0.009896
Chlorodibromomethane	0.000119 U	0.0100	0.0100	0.01140	0.01093
Chloroethane	0.000240 U	0.0100	0.0100	0.007533	0.008351
2-Chloroethyl vinyl ether	0.000500 U	0.0200	0.0200	0.0007810J F1	0.000500 U F1
Chloroform	0.000151 U	0.0100	0.0100	0.01023	0.009442
Chloromethane	0.000209 U	0.0100	0.0100	0.008485	0.009140
2-Chlorotoluene	0.000226 U	0.0100	0.0100	0.01082	0.01015
4-Chlorotoluene	0.000210 U	0.0100	0.0100	0.01114	0.01044
cis-1,2-Dichloroethene	0.000157 U	0.0100	0.0100	0.008465	0.007961
cis-1,3-Dichloropropene	0.000160 U	0.0100	0.0100	0.01049	0.009933
1,2-Dibromo-3-Chloropropane	0.000810 U	0.0100	0.0100	0.01120	0.01089
Dibromomethane	0.000520 U	0.0100	0.0100	0.009883	0.009336
1,2-Dichlorobenzene	0.000153 U	0.0100	0.0100	0.01099	0.01061
1,3-Dichlorobenzene	0.000210 U	0.0100	0.0100	0.01061	0.01018
1,4-Dichlorobenzene	0.000176 U	0.0100	0.0100	0.01060	0.01017
Dichlorodifluoromethane	0.000859 U	0.0100	0.0100	0.01187	0.01224
1,1-Dichloroethane	0.000168 U	0.0100	0.0100	0.008666	0.007987
1,2-Dichloroethane	0.000116 U	0.0100	0.0100	0.01076	0.009910
1,1-Dichloroethene	0.000192 U	0.0100	0.0100	0.006878	0.006603
1,2-Dichloropropane	0.000136 U	0.0100	0.0100	0.009365	0.008883
1,3-Dichloropropane	0.000220 U	0.0100	0.0100	0.01064	0.01033
2,2-Dichloropropane	0.000258 U	0.0100	0.0100	0.01026	0.009329
1,1-Dichloropropene	0.000191 U	0.0100	0.0100	0.009359	0.008585
Ethylbenzene	0.000212 U	0.0100	0.0100	0.01074	0.01031
Ethylene Dibromide	0.000111 U	0.0100	0.0100	0.01073	0.01084
Hexachlorobutadiene	0.000215 U	0.0100	0.0100	0.01245	0.01134
Isopropylbenzene	0.000241 U	0.0100	0.0100	0.01084	0.01014
Methylene Chloride	0.000176 U	0.0100	0.0100	0.005758	0.005437 F1
Methyl tert-butyl ether	0.000105 U	0.0100	0.0100	0.008803	0.008680
m-Xylene & p-Xylene	0.000205 U	0.0100	0.0100	0.01140	0.01064
Naphthalene	0.000973 J	0.0100	0.0100	0.01357	0.01427
n-Butylbenzene	0.000212 U	0.0100	0.0100	0.01187	0.01087
N-Propylbenzene	0.000230 U	0.0100	0.0100	0.01085	0.01028
o-Xylene	0.000192 U	0.0100	0.0100	0.01128	0.01066
p-Isopropyltoluene	0.000228 U	0.0100	0.0100	0.01154	0.01070

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-176120

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-121181-28 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1329
Prep Date: 11/11/2015 1329
Leach Date: N/A

MSD Lab Sample ID: 600-121181-28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/11/2015 1355
Prep Date: 11/11/2015 1355
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
sec-Butylbenzene	0.000375 J	0.0100	0.0100	0.01177	0.01091
Styrene	0.000175 U	0.0100	0.0100	0.01115	0.01075
tert-Butylbenzene	0.000216 U	0.0100	0.0100	0.01152	0.01076
1,1,1,2-Tetrachloroethane	0.000178 U	0.0100	0.0100	0.01167	0.01103
1,1,2,2-Tetrachloroethane	0.000197 U	0.0100	0.0100	0.009818	0.009734
Tetrachloroethene	0.000333 U	0.0100	0.0100	0.01013	0.009781
Toluene	0.000198 U	0.0100	0.0100	0.009786	0.009260
trans-1,2-Dichloroethene	0.000192 U	0.0100	0.0100	0.008164	0.007803
trans-1,3-Dichloropropene	0.000137 U	0.0100	0.0100	0.01169	0.01108
1,2,3-Trichlorobenzene	0.000570 U	0.0100	0.0100	0.01200	0.01244
1,2,4-Trichlorobenzene	0.000177 U	0.0100	0.0100	0.01208	0.01169
1,1,1-Trichloroethane	0.000209 U	0.0100	0.0100	0.01038	0.009525
1,1,2-Trichloroethane	0.000209 U	0.0100	0.0100	0.01118	0.01111
Trichloroethene	0.000138 U	0.0100	0.0100	0.008958	0.008572
Trichlorofluoromethane	0.000244 U	0.0100	0.0100	0.009106	0.009711
1,2,3-Trichloropropane	0.000290 U	0.0100	0.0100	0.009852	0.009663
1,2,4-Trimethylbenzene	0.000215 U	0.0100	0.0100	0.01142	0.01052
1,3,5-Trimethylbenzene	0.000210 U	0.0100	0.0100	0.01125	0.01036
Vinyl chloride	0.000248 U	0.0100	0.0100	0.007867	0.008866
Xylenes, Total	0.000366 U	0.0200	0.0200	0.02268	0.02130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176238

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176238/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1243
Prep Date: 11/12/2015 1243
Leach Date: N/A

Analysis Batch: 600-176238
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31605.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.0001410	J	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176238

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176238/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1243
Prep Date: 11/12/2015 1243
Leach Date: N/A

Analysis Batch: 600-176238
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31605.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.000216	U	0.000216	0.00100
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	107	67 - 139
Dibromofluoromethane	101	62 - 130
1,2-Dichloroethane-d4 (Surr)	104	50 - 134
Toluene-d8 (Surr)	111	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176238

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176238/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1309
Prep Date: 11/12/2015 1309
Leach Date: N/A

Analysis Batch: 600-176238
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31602A.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176238/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1334
Prep Date: 11/12/2015 1334
Leach Date: N/A

Analysis Batch: 600-176238
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31603A.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	81	70 - 130	4	20		
Bromobenzene	111	109	70 - 130	1	20		
Bromochloromethane	87	83	58 - 130	5	20		
Bromodichloromethane	106	106	70 - 131	0	20		
Bromoform	99	101	54 - 133	2	20		
Bromomethane	94	95	25 - 150	1	20		
2-Butanone (MEK)	81	81	41 - 141	1	20		
Carbon tetrachloride	110	104	70 - 144	5	20		
Chlorobenzene	104	99	69 - 130	4	20		
Chlorodibromomethane	110	110	62 - 130	0	20		
Chloroethane	85	87	47 - 150	2	20		
2-Chloroethyl vinyl ether	81	83	10 - 150	3	20		
Chloroform	103	97	70 - 130	6	20		
Chloromethane	99	109	10 - 150	9	20		
2-Chlorotoluene	113	111	65 - 130	2	20		
4-Chlorotoluene	120	116	70 - 130	3	20		
cis-1,2-Dichloroethene	82	80	68 - 130	3	20		
cis-1,3-Dichloropropene	102	100	57 - 130	2	20		
1,2-Dibromo-3-Chloropropane	95	99	41 - 142	4	20		
Dibromomethane	91	88	70 - 130	4	20		
1,2-Dichlorobenzene	113	111	70 - 130	1	20		
1,3-Dichlorobenzene	115	112	70 - 130	2	20		
1,4-Dichlorobenzene	114	110	70 - 130	4	20		
Dichlorodifluoromethane	137	141	10 - 150	3	20		
1,1-Dichloroethane	85	81	70 - 140	4	20		
1,2-Dichloroethane	99	98	67 - 134	2	20		
1,1-Dichloroethene	67	66	58 - 148	1	20		
1,2-Dichloropropane	90	87	70 - 130	3	20		
1,3-Dichloropropane	102	101	70 - 130	1	20		
2,2-Dichloropropane	105	99	64 - 149	5	20		
1,1-Dichloropropene	92	89	70 - 137	4	20		
Ethylbenzene	108	103	70 - 130	4	20		
Ethylene Dibromide	99	96	67 - 130	3	20		
Hexachlorobutadiene	126	120	55 - 150	5	20		
Isopropylbenzene	117	114	65 - 132	3	20		
Methylene Chloride	57	57	55 - 147	0	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176238

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176238/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1309
Prep Date: 11/12/2015 1309
Leach Date: N/A

Analysis Batch: 600-176238
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31602A.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176238/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1334
Prep Date: 11/12/2015 1334
Leach Date: N/A

Analysis Batch: 600-176238
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31603A.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	77	76	56 - 132	2	20		
m-Xylene & p-Xylene	117	113	70 - 130	3	20		
Naphthalene	102	111	10 - 150	8	20		
n-Butylbenzene	131	126	70 - 130	4	20	*	
N-Propylbenzene	118	115	69 - 130	2	20		
o-Xylene	113	112	70 - 130	1	20		
p-Isopropyltoluene	129	125	70 - 130	4	20		
sec-Butylbenzene	126	121	68 - 130	5	20		
Styrene	110	107	70 - 130	3	20		
tert-Butylbenzene	126	124	70 - 130	2	20		
1,1,1,2-Tetrachloroethane	117	112	70 - 130	4	20		
1,1,2,2-Tetrachloroethane	99	99	58 - 133	1	20		
Tetrachloroethene	103	98	47 - 150	5	20		
Toluene	100	96	70 - 130	4	20		
trans-1,2-Dichloroethene	79	77	68 - 131	3	20		
trans-1,3-Dichloropropene	108	104	60 - 130	5	20		
1,2,3-Trichlorobenzene	108	114	10 - 150	6	20		
1,2,4-Trichlorobenzene	109	108	46 - 150	1	20		
1,1,1-Trichloroethane	106	100	70 - 136	6	20		
1,1,2-Trichloroethane	100	98	70 - 130	2	20		
Trichloroethene	89	89	70 - 130	1	20		
Trichlorofluoromethane	104	106	43 - 150	2	20		
1,2,3-Trichloropropane	101	98	48 - 136	3	20		
1,2,4-Trimethylbenzene	122	118	70 - 130	3	20		
1,3,5-Trimethylbenzene	122	119	69 - 130	2	20		
Vinyl chloride	94	97	33 - 150	4	20		
Xylenes, Total	115	113	70 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	109	109	67 - 139
Dibromofluoromethane	110	108	62 - 130
1,2-Dichloroethane-d4 (Surr)	105	104	50 - 134
Toluene-d8 (Surr)	112	110	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176238

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176238/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1309
Prep Date: 11/12/2015 1309
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176238/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1334
Prep Date: 11/12/2015 1334
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	0.0100	0.0100	0.008469	0.008142
Bromobenzene	0.0100	0.0100	0.01106	0.01090
Bromochloromethane	0.0100	0.0100	0.008704	0.008283
Bromodichloromethane	0.0100	0.0100	0.01059	0.01057
Bromoform	0.0100	0.0100	0.009902	0.01006
Bromomethane	0.0100	0.0100	0.009384	0.009519
2-Butanone (MEK)	0.0200	0.0200	0.01629	0.01612
Carbon tetrachloride	0.0100	0.0100	0.01100	0.01043
Chlorobenzene	0.0100	0.0100	0.01037	0.009948
Chlorodibromomethane	0.0100	0.0100	0.01101	0.01096
Chloroethane	0.0100	0.0100	0.008537	0.008699
2-Chloroethyl vinyl ether	0.0200	0.0200	0.01621	0.01663
Chloroform	0.0100	0.0100	0.01026	0.009709
Chloromethane	0.0100	0.0100	0.009948	0.01088
2-Chlorotoluene	0.0100	0.0100	0.01134	0.01112
4-Chlorotoluene	0.0100	0.0100	0.01196	0.01158
cis-1,2-Dichloroethene	0.0100	0.0100	0.008199	0.007955
cis-1,3-Dichloropropene	0.0100	0.0100	0.01016	0.01001
1,2-Dibromo-3-Chloropropane	0.0100	0.0100	0.009488	0.009881
Dibromomethane	0.0100	0.0100	0.009107	0.008756
1,2-Dichlorobenzene	0.0100	0.0100	0.01125	0.01111
1,3-Dichlorobenzene	0.0100	0.0100	0.01148	0.01124
1,4-Dichlorobenzene	0.0100	0.0100	0.01138	0.01095
Dichlorodifluoromethane	0.0100	0.0100	0.01367	0.01415
1,1-Dichloroethane	0.0100	0.0100	0.008478	0.008149
1,2-Dichloroethane	0.0100	0.0100	0.009915	0.009761
1,1-Dichloroethene	0.0100	0.0100	0.006714	0.006628
1,2-Dichloropropane	0.0100	0.0100	0.009013	0.008719
1,3-Dichloropropane	0.0100	0.0100	0.01020	0.01007
2,2-Dichloropropane	0.0100	0.0100	0.01047	0.009919
1,1-Dichloropropene	0.0100	0.0100	0.009207	0.008880
Ethylbenzene	0.0100	0.0100	0.01081	0.01034
Ethylene Dibromide	0.0100	0.0100	0.009903	0.009623
Hexachlorobutadiene	0.0100	0.0100	0.01261	0.01204
Isopropylbenzene	0.0100	0.0100	0.01168	0.01138
Methylene Chloride	0.0100	0.0100	0.005694	0.005676
Methyl tert-butyl ether	0.0100	0.0100	0.007723	0.007584
m-Xylene & p-Xylene	0.0100	0.0100	0.01166	0.01131
Naphthalene	0.0100	0.0100	0.01019	0.01107

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176238

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176238/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1309
Prep Date: 11/12/2015 1309
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176238/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2015 1334
Prep Date: 11/12/2015 1334
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	0.0100	0.0100	0.01312 *	0.01256
N-Propylbenzene	0.0100	0.0100	0.01180	0.01154
o-Xylene	0.0100	0.0100	0.01135	0.01119
p-Isopropyltoluene	0.0100	0.0100	0.01291	0.01246
sec-Butylbenzene	0.0100	0.0100	0.01264	0.01207
Styrene	0.0100	0.0100	0.01103	0.01066
tert-Butylbenzene	0.0100	0.0100	0.01263	0.01238
1,1,1,2-Tetrachloroethane	0.0100	0.0100	0.01168	0.01123
1,1,2,2-Tetrachloroethane	0.0100	0.0100	0.009858	0.009950
Tetrachloroethene	0.0100	0.0100	0.01028	0.009769
Toluene	0.0100	0.0100	0.009965	0.009610
trans-1,2-Dichloroethene	0.0100	0.0100	0.007915	0.007656
trans-1,3-Dichloropropene	0.0100	0.0100	0.01085	0.01036
1,2,3-Trichlorobenzene	0.0100	0.0100	0.01075	0.01142
1,2,4-Trichlorobenzene	0.0100	0.0100	0.01091	0.01084
1,1,1-Trichloroethane	0.0100	0.0100	0.01059	0.009984
1,1,2-Trichloroethane	0.0100	0.0100	0.009998	0.009760
Trichloroethene	0.0100	0.0100	0.008942	0.008874
Trichlorofluoromethane	0.0100	0.0100	0.01042	0.01061
1,2,3-Trichloropropane	0.0100	0.0100	0.01009	0.009805
1,2,4-Trimethylbenzene	0.0100	0.0100	0.01223	0.01185
1,3,5-Trimethylbenzene	0.0100	0.0100	0.01215	0.01186
Vinyl chloride	0.0100	0.0100	0.009377	0.009720
Xylenes, Total	0.0200	0.0200	0.02301	0.02250

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176357

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176357/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1116
Prep Date: 11/13/2015 1116
Leach Date: N/A

Analysis Batch: 600-176357
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31705.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.000176	U	0.000176	0.00100
Bromobenzene	0.000195	U	0.000195	0.00100
Bromochloromethane	0.000162	U	0.000162	0.00100
Bromodichloromethane	0.000153	U	0.000153	0.00100
Bromoform	0.000151	U	0.000151	0.00100
Bromomethane	0.000250	U	0.000250	0.00200
2-Butanone (MEK)	0.000760	U	0.000760	0.00200
Carbon tetrachloride	0.000183	U	0.000183	0.00100
Chlorobenzene	0.000185	U	0.000185	0.00100
Chlorodibromomethane	0.000119	U	0.000119	0.00100
Chloroethane	0.000240	U	0.000240	0.00200
2-Chloroethyl vinyl ether	0.000500	U	0.000500	0.00200
Chloroform	0.000151	U	0.000151	0.00100
Chloromethane	0.000209	U	0.000209	0.00200
2-Chlorotoluene	0.000226	U	0.000226	0.00100
4-Chlorotoluene	0.000210	U	0.000210	0.00100
cis-1,2-Dichloroethene	0.000157	U	0.000157	0.00100
cis-1,3-Dichloropropene	0.000160	U	0.000160	0.00100
1,2-Dibromo-3-Chloropropane	0.000810	U	0.000810	0.00100
Dibromomethane	0.000520	U	0.000520	0.00100
1,2-Dichlorobenzene	0.000153	U	0.000153	0.00100
1,3-Dichlorobenzene	0.000210	U	0.000210	0.00100
1,4-Dichlorobenzene	0.000176	U	0.000176	0.00100
Dichlorodifluoromethane	0.000859	U	0.000859	0.00100
1,1-Dichloroethane	0.000168	U	0.000168	0.00100
1,2-Dichloroethane	0.000116	U	0.000116	0.00100
1,1-Dichloroethene	0.000192	U	0.000192	0.00100
1,2-Dichloropropane	0.000136	U	0.000136	0.00100
1,3-Dichloropropane	0.000220	U	0.000220	0.00100
2,2-Dichloropropane	0.000258	U	0.000258	0.00100
1,1-Dichloropropene	0.000191	U	0.000191	0.00100
Ethylbenzene	0.000212	U	0.000212	0.00100
Ethylene Dibromide	0.000111	U	0.000111	0.00100
Hexachlorobutadiene	0.000215	U	0.000215	0.00100
Isopropylbenzene	0.000241	U	0.000241	0.00100
Methylene Chloride	0.000176	U	0.000176	0.00500
Methyl tert-butyl ether	0.000105	U	0.000105	0.00100
m-Xylene & p-Xylene	0.000205	U	0.000205	0.00100
Naphthalene	0.0001662	J	0.000129	0.00200
n-Butylbenzene	0.000212	U	0.000212	0.00100
N-Propylbenzene	0.000230	U	0.000230	0.00100
o-Xylene	0.000192	U	0.000192	0.00100
p-Isopropyltoluene	0.000228	U	0.000228	0.00100
sec-Butylbenzene	0.000224	U	0.000224	0.00100
Styrene	0.000175	U	0.000175	0.00100

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 600-176357

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-176357/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2015 1116
 Prep Date: 11/13/2015 1116
 Leach Date: N/A

Analysis Batch: 600-176357
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/L

Instrument ID: CHVOAMS07
 Lab File ID: A31705.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
tert-Butylbenzene	0.000216	U	0.000216	0.00100
1,1,1,2-Tetrachloroethane	0.000178	U	0.000178	0.00100
1,1,2,2-Tetrachloroethane	0.000197	U	0.000197	0.00100
Tetrachloroethene	0.000333	U	0.000333	0.00100
Toluene	0.000198	U	0.000198	0.00100
trans-1,2-Dichloroethene	0.000192	U	0.000192	0.00100
trans-1,3-Dichloropropene	0.000137	U	0.000137	0.00100
1,2,3-Trichlorobenzene	0.000570	U	0.000570	0.00100
1,2,4-Trichlorobenzene	0.000177	U	0.000177	0.00100
1,1,1-Trichloroethane	0.000209	U	0.000209	0.00100
1,1,2-Trichloroethane	0.000209	U	0.000209	0.00100
Trichloroethene	0.000138	U	0.000138	0.00100
Trichlorofluoromethane	0.000244	U	0.000244	0.00100
1,2,3-Trichloropropane	0.000290	U	0.000290	0.00100
1,2,4-Trimethylbenzene	0.000215	U	0.000215	0.00100
1,3,5-Trimethylbenzene	0.000210	U	0.000210	0.00100
Vinyl chloride	0.000248	U	0.000248	0.00100
Xylenes, Total	0.000366	U	0.000366	0.00200

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	67 - 139
Dibromofluoromethane	104	62 - 130
1,2-Dichloroethane-d4 (Surr)	104	50 - 134
Toluene-d8 (Surr)	112	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176357

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176357/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1000
Prep Date: 11/13/2015 1000
Leach Date: N/A

Analysis Batch: 600-176357
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31702.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176357/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1025
Prep Date: 11/13/2015 1025
Leach Date: N/A

Analysis Batch: 600-176357
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31703.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	82	82	70 - 130	1	20		
Bromobenzene	107	109	70 - 130	2	20		
Bromochloromethane	84	86	58 - 130	2	20		
Bromodichloromethane	107	107	70 - 131	1	20		
Bromoform	101	105	54 - 133	4	20		
Bromomethane	85	91	25 - 150	7	20		
2-Butanone (MEK)	81	82	41 - 141	2	20		
Carbon tetrachloride	106	105	70 - 144	1	20		
Chlorobenzene	102	99	69 - 130	3	20		
Chlorodibromomethane	113	109	62 - 130	3	20		
Chloroethane	85	90	47 - 150	6	20		
2-Chloroethyl vinyl ether	84	83	10 - 150	1	20		
Chloroform	99	99	70 - 130	0	20		
Chloromethane	100	106	10 - 150	5	20		
2-Chlorotoluene	109	111	65 - 130	2	20		
4-Chlorotoluene	114	118	70 - 130	3	20		
cis-1,2-Dichloroethene	81	81	68 - 130	0	20		
cis-1,3-Dichloropropene	102	101	57 - 130	1	20		
1,2-Dibromo-3-Chloropropane	101	103	41 - 142	3	20		
Dibromomethane	90	90	70 - 130	0	20		
1,2-Dichlorobenzene	112	113	70 - 130	1	20		
1,3-Dichlorobenzene	111	112	70 - 130	1	20		
1,4-Dichlorobenzene	109	112	70 - 130	2	20		
Dichlorodifluoromethane	139	141	10 - 150	1	20		
1,1-Dichloroethane	81	83	70 - 140	3	20		
1,2-Dichloroethane	99	99	67 - 134	0	20		
1,1-Dichloroethene	65	66	58 - 148	2	20		
1,2-Dichloropropane	86	88	70 - 130	3	20		
1,3-Dichloropropane	102	99	70 - 130	3	20		
2,2-Dichloropropane	102	102	64 - 149	0	20		
1,1-Dichloropropene	89	89	70 - 137	1	20		
Ethylbenzene	109	106	70 - 130	3	20		
Ethylene Dibromide	101	98	67 - 130	3	20		
Hexachlorobutadiene	130	128	55 - 150	2	20		
Isopropylbenzene	113	115	65 - 132	2	20		
Methylene Chloride	61	60	55 - 147	1	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-176357

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-176357/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1000
Prep Date: 11/13/2015 1000
Leach Date: N/A

Analysis Batch: 600-176357
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31702.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

LCSD Lab Sample ID: LCSD 600-176357/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1025
Prep Date: 11/13/2015 1025
Leach Date: N/A

Analysis Batch: 600-176357
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: CHVOAMS07
Lab File ID: A31703.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Methyl tert-butyl ether	77	78	56 - 132	1	20		
m-Xylene & p-Xylene	114	113	70 - 130	1	20		
Naphthalene	108	112	10 - 150	4	20		
n-Butylbenzene	126	127	70 - 130	0	20		
N-Propylbenzene	114	116	69 - 130	2	20		
o-Xylene	114	112	70 - 130	2	20		
p-Isopropyltoluene	123	125	70 - 130	2	20		
sec-Butylbenzene	122	122	68 - 130	0	20		
Styrene	109	106	70 - 130	3	20		
tert-Butylbenzene	122	123	70 - 130	0	20		
1,1,1,2-Tetrachloroethane	116	113	70 - 130	2	20		
1,1,2,2-Tetrachloroethane	100	99	58 - 133	1	20		
Tetrachloroethene	101	101	47 - 150	0	20		
Toluene	99	96	70 - 130	2	20		
trans-1,2-Dichloroethene	76	76	68 - 131	0	20		
trans-1,3-Dichloropropene	109	105	60 - 130	3	20		
1,2,3-Trichlorobenzene	113	118	10 - 150	4	20		
1,2,4-Trichlorobenzene	110	114	46 - 150	3	20		
1,1,1-Trichloroethane	103	103	70 - 136	0	20		
1,1,2-Trichloroethane	100	101	70 - 130	1	20		
Trichloroethene	88	86	70 - 130	2	20		
Trichlorofluoromethane	106	109	43 - 150	4	20		
1,2,3-Trichloropropane	101	97	48 - 136	4	20		
1,2,4-Trimethylbenzene	118	119	70 - 130	0	20		
1,3,5-Trimethylbenzene	117	118	69 - 130	1	20		
Vinyl chloride	96	101	33 - 150	5	20		
Xylenes, Total	114	113	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	107	67 - 139
Dibromofluoromethane	109	108	62 - 130
1,2-Dichloroethane-d4 (Surr)	107	107	50 - 134
Toluene-d8 (Surr)	115	110	70 - 130

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176357

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176357/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1000
Prep Date: 11/13/2015 1000
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176357/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1025
Prep Date: 11/13/2015 1025
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	0.0100	0.0100	0.008241	0.008155
Bromobenzene	0.0100	0.0100	0.01065	0.01087
Bromochloromethane	0.0100	0.0100	0.008441	0.008615
Bromodichloromethane	0.0100	0.0100	0.01065	0.01074
Bromoform	0.0100	0.0100	0.01009	0.01054
Bromomethane	0.0100	0.0100	0.008464	0.009112
2-Butanone (MEK)	0.0200	0.0200	0.01615	0.01642
Carbon tetrachloride	0.0100	0.0100	0.01059	0.01050
Chlorobenzene	0.0100	0.0100	0.01020	0.009923
Chlorodibromomethane	0.0100	0.0100	0.01130	0.01092
Chloroethane	0.0100	0.0100	0.008465	0.008963
2-Chloroethyl vinyl ether	0.0200	0.0200	0.01673	0.01659
Chloroform	0.0100	0.0100	0.009941	0.009903
Chloromethane	0.0100	0.0100	0.01003	0.01056
2-Chlorotoluene	0.0100	0.0100	0.01089	0.01113
4-Chlorotoluene	0.0100	0.0100	0.01144	0.01176
cis-1,2-Dichloroethene	0.0100	0.0100	0.008145	0.008133
cis-1,3-Dichloropropene	0.0100	0.0100	0.01019	0.01009
1,2-Dibromo-3-Chloropropane	0.0100	0.0100	0.01005	0.01031
Dibromomethane	0.0100	0.0100	0.009016	0.009011
1,2-Dichlorobenzene	0.0100	0.0100	0.01116	0.01125
1,3-Dichlorobenzene	0.0100	0.0100	0.01107	0.01116
1,4-Dichlorobenzene	0.0100	0.0100	0.01095	0.01117
Dichlorodifluoromethane	0.0100	0.0100	0.01386	0.01405
1,1-Dichloroethane	0.0100	0.0100	0.008096	0.008305
1,2-Dichloroethane	0.0100	0.0100	0.009879	0.009918
1,1-Dichloroethene	0.0100	0.0100	0.006522	0.006644
1,2-Dichloropropane	0.0100	0.0100	0.008574	0.008832
1,3-Dichloropropane	0.0100	0.0100	0.01024	0.009896
2,2-Dichloropropane	0.0100	0.0100	0.01024	0.01020
1,1-Dichloropropene	0.0100	0.0100	0.008860	0.008911
Ethylbenzene	0.0100	0.0100	0.01089	0.01060
Ethylene Dibromide	0.0100	0.0100	0.01011	0.009807
Hexachlorobutadiene	0.0100	0.0100	0.01303	0.01275
Isopropylbenzene	0.0100	0.0100	0.01129	0.01150
Methylene Chloride	0.0100	0.0100	0.006085	0.006031
Methyl tert-butyl ether	0.0100	0.0100	0.007660	0.007770
m-Xylene & p-Xylene	0.0100	0.0100	0.01141	0.01130
Naphthalene	0.0100	0.0100	0.01082	0.01123

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-176357

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-176357/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1000
Prep Date: 11/13/2015 1000
Leach Date: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 600-176357/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1025
Prep Date: 11/13/2015 1025
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
n-Butylbenzene	0.0100	0.0100	0.01262	0.01267
N-Propylbenzene	0.0100	0.0100	0.01138	0.01159
o-Xylene	0.0100	0.0100	0.01140	0.01123
p-Isopropyltoluene	0.0100	0.0100	0.01231	0.01253
sec-Butylbenzene	0.0100	0.0100	0.01221	0.01217
Styrene	0.0100	0.0100	0.01094	0.01064
tert-Butylbenzene	0.0100	0.0100	0.01225	0.01231
1,1,1,2-Tetrachloroethane	0.0100	0.0100	0.01159	0.01132
1,1,2,2-Tetrachloroethane	0.0100	0.0100	0.01000	0.009936
Tetrachloroethene	0.0100	0.0100	0.01006	0.01006
Toluene	0.0100	0.0100	0.009872	0.009635
trans-1,2-Dichloroethene	0.0100	0.0100	0.007643	0.007614
trans-1,3-Dichloropropene	0.0100	0.0100	0.01087	0.01055
1,2,3-Trichlorobenzene	0.0100	0.0100	0.01133	0.01178
1,2,4-Trichlorobenzene	0.0100	0.0100	0.01102	0.01140
1,1,1-Trichloroethane	0.0100	0.0100	0.01026	0.01026
1,1,2-Trichloroethane	0.0100	0.0100	0.01000	0.01011
Trichloroethene	0.0100	0.0100	0.008762	0.008584
Trichlorofluoromethane	0.0100	0.0100	0.01055	0.01094
1,2,3-Trichloropropane	0.0100	0.0100	0.01007	0.009686
1,2,4-Trimethylbenzene	0.0100	0.0100	0.01183	0.01185
1,3,5-Trimethylbenzene	0.0100	0.0100	0.01170	0.01180
Vinyl chloride	0.0100	0.0100	0.009613	0.01015
Xylenes, Total	0.0200	0.0200	0.02281	0.02253

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 560-121934

Method: 6020
Preparation: 3010A

Lab Sample ID:	MB 560-121934/1-A	Analysis Batch:	560-122025	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121934	Lab File ID:	059SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/13/2015 1449	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0800				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Lab Control Sample - Batch: 560-121934

Method: 6020
Preparation: 3010A

Lab Sample ID:	LCS 560-121934/2-A	Analysis Batch:	560-122025	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121934	Lab File ID:	065SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/13/2015 1534	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0800				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Manganese, Dissolved	5.00	4.572	91	80 - 120	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-121934

Method: 6020
Preparation: 3010A
Dissolved

MS Lab Sample ID:	600-121181-3	Analysis Batch:	560-122025	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121934	Lab File ID:	068SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/13/2015 1550			Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0800				
Leach Date:	N/A				

MSD Lab Sample ID:	600-121181-3	Analysis Batch:	560-122025	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121934	Lab File ID:	069SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/13/2015 1600			Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0800				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Manganese, Dissolved	89	90	80 - 120	1	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-121934

Method: 6020
Preparation: 3010A
Dissolved

MS Lab Sample ID: 600-121181-3 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1550
Prep Date: 11/12/2015 0800
Leach Date: N/A

MSD Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2015 1600
Prep Date: 11/12/2015 0800
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Manganese, Dissolved	0.0116 U	5.00	5.00	4.473	4.520

Serial Dilution - Batch: 560-121934

Method: 6020
Preparation: 3010A
Dissolved

Lab Sample ID: 600-121181-3
Client Matrix: Water
Dilution: 4.0
Analysis Date: 11/13/2015 1605
Prep Date: 11/12/2015 0800
Leach Date: N/A

Analysis Batch: 560-122025
Prep Batch: 560-121934
Leach Batch: N/A
Units: mg/L

Instrument ID: Micpms
Lab File ID: 070SMPL.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Manganese, Dissolved	0.0116 U	0.0464	NC	10	U

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Method Blank - Batch: 560-121939

Method: 6020
Preparation: 3010A

Lab Sample ID:	MB 560-121939/1-A	Analysis Batch:	560-122028	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121939	Lab File ID:	055SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2015 1458	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0930				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Manganese, Dissolved	0.0116	U	0.0116	0.0500

Lab Control Sample - Batch: 560-121939

Method: 6020
Preparation: 3010A

Lab Sample ID:	LCS 560-121939/2-A	Analysis Batch:	560-122028	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121939	Lab File ID:	056SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2015 1503	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0930				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Manganese, Dissolved	5.00	4.311	86	80 - 120	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-121939

Method: 6020
Preparation: 3010A
Dissolved

MS Lab Sample ID:	600-121191-C-4-B MS	Analysis Batch:	560-122028	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121939	Lab File ID:	059SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2015 1520			Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0930				
Leach Date:	N/A				

MSD Lab Sample ID:	600-121191-B-4-A MSD	Analysis Batch:	560-122028	Instrument ID:	Micpms
Client Matrix:	Water	Prep Batch:	560-121939	Lab File ID:	065SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2015 1552			Final Weight/Volume:	50 mL
Prep Date:	11/12/2015 0930				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Manganese, Dissolved	87	85	80 - 120	3	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-121939

Method: 6020
Preparation: 3010A
Dissolved

MS Lab Sample ID: 600-121191-C-4-B MS Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/14/2015 1520
Prep Date: 11/12/2015 0930
Leach Date: N/A

MSD Lab Sample ID: 600-121191-B-4-A MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/14/2015 1552
Prep Date: 11/12/2015 0930
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Manganese, Dissolved	0.0116 U	5.00	5.00	4.371	4.249

Serial Dilution - Batch: 560-121939

Method: 6020
Preparation: 3010A
Dissolved

Lab Sample ID: 600-121191-C-4-A SD
Client Matrix: Water
Dilution: 5.0
Analysis Date: 11/14/2015 1558
Prep Date: 11/12/2015 0930
Leach Date: N/A

Analysis Batch: 560-122028
Prep Batch: 560-121939
Leach Batch: N/A
Units: mg/L

Instrument ID: Micpms
Lab File ID: 066SMPL.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Manganese, Dissolved	0.0116 U	0.0580	NC	10	U

DATA REPORTING QUALIFIERS

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-175890					
LCS 600-175890/3	Lab Control Sample	T	Water	8260B	
LCSD 600-175890/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-175890/6	Method Blank	T	Water	8260B	
600-121181-1	TRIP BLANK	T	Water	8260B	
600-121181-2	ARTESIA-MW33-11032015	T	Water	8260B	
600-121181-3	ARTESIA-MW32-11032015	T	Water	8260B	
600-121181-3MS	Matrix Spike	T	Water	8260B	
600-121181-3MSD	Matrix Spike Duplicate	T	Water	8260B	
600-121181-6	ARTESIA-MW26-11032015	T	Water	8260B	
600-121181-7	ARTESIA-MW30-11032015	T	Water	8260B	
600-121181-8	ARTESIA-HS29-11032015	T	Water	8260B	
600-121181-9	ARTESIA-MW29-11032015	T	Water	8260B	
Analysis Batch:600-176006					
LCS 600-176006/3	Lab Control Sample	T	Water	8260B	
LCSD 600-176006/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-176006/6	Method Blank	T	Water	8260B	
600-121181-11	ARTESIA-MD03-11032015	T	Water	8260B	
Analysis Batch:600-176120					
LCS 600-176120/3	Lab Control Sample	T	Water	8260B	
LCSD 600-176120/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-176120/6	Method Blank	T	Water	8260B	
600-121181-15	ARTESIA-INLET-11042015	T	Water	8260B	
600-121181-16	ARTESIA-MW25-11042015	T	Water	8260B	
600-121181-17	ARTESIA-MD02-11042015	T	Water	8260B	
600-121181-18	ARTESIA-MW22-11042015	T	Water	8260B	
600-121181-19	ARTESIA-HS31-11042015	T	Water	8260B	
600-121181-20	ARTESIA-MW31-11042015	T	Water	8260B	
600-121181-21	ARTESIA-MW21-11042015	T	Water	8260B	
600-121181-22	ARTESIA-MW20-11042015	T	Water	8260B	
600-121181-23	ARTESIA-MW11-11042015	T	Water	8260B	
600-121181-24	ARTESIA-MW08-11042015	T	Water	8260B	
600-121181-28	ARTESIA-MW01-11042015	T	Water	8260B	
600-121181-28MS	Matrix Spike	T	Water	8260B	
600-121181-28MSD	Matrix Spike Duplicate	T	Water	8260B	

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-176238					
LCS 600-176238/3	Lab Control Sample	T	Water	8260B	
LCSD 600-176238/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-176238/6	Method Blank	T	Water	8260B	
600-121181-10	ARTESIA-MW28-11032015	T	Water	8260B	
600-121181-12	ARTESIA-MW34-11032015	T	Water	8260B	
600-121181-13	ARTESIA-OUTLET-11042015	T	Water	8260B	
600-121181-14	ARTESIA-MID-11042015	T	Water	8260B	
600-121181-25	ARTESIA-MD01-11042015	T	Water	8260B	
600-121181-26	ARTESIA-MW18-11042015	T	Water	8260B	
600-121181-27	ARTESIA-MW07-11042015	T	Water	8260B	
600-121181-31	ARTESIA-MW17C-11042015	T	Water	8260B	
600-121181-34	ARTESIA-MW15-11042015	T	Water	8260B	
Analysis Batch:600-176357					
LCS 600-176357/3	Lab Control Sample	T	Water	8260B	
LCSD 600-176357/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-176357/6	Method Blank	T	Water	8260B	
600-121181-32	ARTESIA-HS12-11042015	T	Water	8260B	
600-121181-32DL	ARTESIA-HS12-11042015	T	Water	8260B	
600-121181-33	ARTESIA-MW12-11042015	T	Water	8260B	
600-121181-33DL	ARTESIA-MW12-11042015	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-121934					
LCS 560-121934/2-A	Lab Control Sample	T	Water	3010A	
MB 560-121934/1-A	Method Blank	T	Water	3010A	
600-121181-3	ARTESIA-MW32-11032015	D	Water	3010A	
600-121181-3MS	Matrix Spike	D	Water	3010A	
600-121181-3MSD	Matrix Spike Duplicate	D	Water	3010A	
600-121181-6	ARTESIA-MW26-11032015	D	Water	3010A	
600-121181-7	ARTESIA-MW30-11032015	D	Water	3010A	
600-121181-8	ARTESIA-HS29-11032015	D	Water	3010A	
600-121181-9	ARTESIA-MW29-11032015	D	Water	3010A	
600-121181-10	ARTESIA-MW28-11032015	D	Water	3010A	
600-121181-11	ARTESIA-MD03-11032015	D	Water	3010A	
Prep Batch: 560-121939					
LCS 560-121939/2-A	Lab Control Sample	T	Water	3010A	
MB 560-121939/1-A	Method Blank	T	Water	3010A	
600-121181-12	ARTESIA-MW34-11032015	D	Water	3010A	
600-121181-15	ARTESIA-INLET-11042015	D	Water	3010A	
600-121181-16	ARTESIA-MW25-11042015	D	Water	3010A	
600-121181-17	ARTESIA-MD02-11042015	D	Water	3010A	
600-121181-18	ARTESIA-MW22-11042015	D	Water	3010A	
600-121181-19	ARTESIA-HS31-11042015	D	Water	3010A	
600-121181-20	ARTESIA-MW31-11042015	D	Water	3010A	
600-121181-21	ARTESIA-MW21-11042015	D	Water	3010A	
600-121181-22	ARTESIA-MW20-11042015	D	Water	3010A	
600-121181-25	ARTESIA-MD01-11042015	D	Water	3010A	
600-121181-26	ARTESIA-MW18-11042015	D	Water	3010A	
600-121191-C-4-B MS	Matrix Spike	D	Water	3010A	
600-121191-B-4-A MSD	Matrix Spike Duplicate	D	Water	3010A	
Analysis Batch:560-122025					
LCS 560-121934/2-A	Lab Control Sample	T	Water	6020	560-121934
MB 560-121934/1-A	Method Blank	T	Water	6020	560-121934
600-121181-3	ARTESIA-MW32-11032015	D	Water	6020	560-121934
600-121181-3MS	Matrix Spike	D	Water	6020	560-121934
600-121181-3MSD	Matrix Spike Duplicate	D	Water	6020	560-121934
600-121181-6	ARTESIA-MW26-11032015	D	Water	6020	560-121934
600-121181-7	ARTESIA-MW30-11032015	D	Water	6020	560-121934
600-121181-8	ARTESIA-HS29-11032015	D	Water	6020	560-121934
600-121181-9	ARTESIA-MW29-11032015	D	Water	6020	560-121934
600-121181-10	ARTESIA-MW28-11032015	D	Water	6020	560-121934
600-121181-11	ARTESIA-MD03-11032015	D	Water	6020	560-121934

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:560-122028					
LCS 560-121939/2-A	Lab Control Sample	T	Water	6020	560-121939
MB 560-121939/1-A	Method Blank	T	Water	6020	560-121939
600-121181-12	ARTESIA-MW34-11032015	D	Water	6020	560-121939
600-121181-15	ARTESIA-INLET-11042015	D	Water	6020	560-121939
600-121181-16	ARTESIA-MW25-11042015	D	Water	6020	560-121939
600-121181-17	ARTESIA-MD02-11042015	D	Water	6020	560-121939
600-121181-18	ARTESIA-MW22-11042015	D	Water	6020	560-121939
600-121181-19	ARTESIA-HS31-11042015	D	Water	6020	560-121939
600-121181-20	ARTESIA-MW31-11042015	D	Water	6020	560-121939
600-121181-21	ARTESIA-MW21-11042015	D	Water	6020	560-121939
600-121181-22	ARTESIA-MW20-11042015	D	Water	6020	560-121939
600-121181-25	ARTESIA-MD01-11042015	D	Water	6020	560-121939
600-121181-26	ARTESIA-MW18-11042015	D	Water	6020	560-121939
600-121191-C-4-B MS	Matrix Spike	D	Water	6020	560-121939
600-121191-B-4-A MSD	Matrix Spike Duplicate	D	Water	6020	560-121939

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-1

Client ID: TRIP BLANK

Sample Date/Time: 11/03/2015 00:00 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-1		600-175890		11/09/2015 19:37	1	TAL HOU	WS1
A:8260B	600-121181-B-1		600-175890		11/09/2015 19:37	1	TAL HOU	WS1

Lab ID: 600-121181-2

Client ID: ARTESIA-MW33-11032015

Sample Date/Time: 11/03/2015 12:45 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-2		600-175890		11/09/2015 20:02	1	TAL HOU	WS1
A:8260B	600-121181-B-2		600-175890		11/09/2015 20:02	1	TAL HOU	WS1

Lab ID: 600-121181-3

Client ID: ARTESIA-MW32-11032015

Sample Date/Time: 11/03/2015 13:20 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-D-3		600-175890		11/09/2015 13:40	1	TAL HOU	WS1
A:8260B	600-121181-D-3		600-175890		11/09/2015 13:40	1	TAL HOU	WS1
P:3010A	600-121181-A-3-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-3-A		560-122025	560-121934	11/13/2015 15:44	1	TAL CC	JEM

Lab ID: 600-121181-3

Client ID: ARTESIA-MW32-11032015

Sample Date/Time: 11/03/2015 13:20 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-D-3 MS		600-175890		11/09/2015 16:14	1	TAL HOU	WS1
A:8260B	600-121181-D-3 MS		600-175890		11/09/2015 16:14	1	TAL HOU	WS1
P:3010A	600-121181-A-3-B MS		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-3-B MS		560-122025	560-121934	11/13/2015 15:50	1	TAL CC	JEM

Lab ID: 600-121181-3

Client ID: ARTESIA-MW32-11032015

Sample Date/Time: 11/03/2015 13:20 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-3 MSD		600-175890		11/09/2015 16:39	1	TAL HOU	WS1
A:8260B	600-121181-C-3 MSD		600-175890		11/09/2015 16:39	1	TAL HOU	WS1
P:3010A	600-121181-A-3-C MSD		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-3-C MSD		560-122025	560-121934	11/13/2015 16:00	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-3 SD

Client ID: ARTESIA-MW32-11032015

Sample Date/Time: 11/03/2015 13:20 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-121181-A-3-A SD		560-122025	560-121934	11/12/2015 08:00	4	TAL CC	cc56
A:6020	600-121181-A-3-A SD		560-122025	560-121934	11/13/2015 16:05	4	TAL CC	JEM

Lab ID: 600-121181-6

Client ID: ARTESIA-MW26-11032015

Sample Date/Time: 11/03/2015 14:10 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-6		600-175890		11/09/2015 20:28	1	TAL HOU	WS1
A:8260B	600-121181-C-6		600-175890		11/09/2015 20:28	1	TAL HOU	WS1
P:3010A	600-121181-A-6-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-6-A		560-122025	560-121934	11/13/2015 16:10	1	TAL CC	JEM

Lab ID: 600-121181-7

Client ID: ARTESIA-MW30-11032015

Sample Date/Time: 11/03/2015 14:52 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-7		600-175890		11/09/2015 20:53	1	TAL HOU	WS1
A:8260B	600-121181-C-7		600-175890		11/09/2015 20:53	1	TAL HOU	WS1
P:3010A	600-121181-A-7-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-7-A		560-122025	560-121934	11/13/2015 16:18	1	TAL CC	JEM

Lab ID: 600-121181-8

Client ID: ARTESIA-HS29-11032015

Sample Date/Time: 11/03/2015 15:18 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-8		600-175890		11/09/2015 21:19	1	TAL HOU	WS1
A:8260B	600-121181-C-8		600-175890		11/09/2015 21:19	1	TAL HOU	WS1
P:3010A	600-121181-A-8-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-8-A		560-122025	560-121934	11/13/2015 16:23	1	TAL CC	JEM

Lab ID: 600-121181-9

Client ID: ARTESIA-MW29-11032015

Sample Date/Time: 11/03/2015 15:50 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-D-9		600-175890		11/09/2015 21:44	1	TAL HOU	WS1
A:8260B	600-121181-D-9		600-175890		11/09/2015 21:44	1	TAL HOU	WS1
P:3010A	600-121181-A-9-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-9-A		560-122025	560-121934	11/13/2015 16:29	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-10

Client ID: ARTESIA-MW28-11032015

Sample Date/Time: 11/03/2015 16:30 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-10		600-176238		11/12/2015 14:25	1	TAL HOU	WS1
A:8260B	600-121181-B-10		600-176238		11/12/2015 14:25	1	TAL HOU	WS1
P:3010A	600-121181-A-10-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-10-A		560-122025	560-121934	11/13/2015 17:02	1	TAL CC	JEM

Lab ID: 600-121181-11

Client ID: ARTESIA-MD03-11032015

Sample Date/Time: 11/03/2015 17:00 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-11		600-176006		11/10/2015 21:35	1	TAL HOU	WS1
A:8260B	600-121181-C-11		600-176006		11/10/2015 21:35	1	TAL HOU	WS1
P:3010A	600-121181-A-11-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	600-121181-A-11-A		560-122025	560-121934	11/13/2015 17:07	1	TAL CC	JEM

Lab ID: 600-121181-12

Client ID: ARTESIA-MW34-11032015

Sample Date/Time: 11/03/2015 17:10 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-12		600-176238		11/12/2015 14:50	1	TAL HOU	WS1
A:8260B	600-121181-C-12		600-176238		11/12/2015 14:50	1	TAL HOU	WS1
P:3010A	600-121181-A-12-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-12-A		560-122028	560-121939	11/14/2015 16:39	1	TAL CC	JEM

Lab ID: 600-121181-13

Client ID: ARTESIA-OUTLET-11042015

Sample Date/Time: 11/04/2015 07:23 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-13		600-176238		11/12/2015 15:16	1	TAL HOU	WS1
A:8260B	600-121181-B-13		600-176238		11/12/2015 15:16	1	TAL HOU	WS1

Lab ID: 600-121181-14

Client ID: ARTESIA-MID-11042015

Sample Date/Time: 11/04/2015 07:26 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-A-14		600-176238		11/12/2015 15:41	1	TAL HOU	WS1
A:8260B	600-121181-A-14		600-176238		11/12/2015 15:41	1	TAL HOU	WS1

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-15

Client ID: ARTESIA-INLET-11042015

Sample Date/Time: 11/04/2015 07:30 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-15		600-176120		11/11/2015 16:31	1	TAL HOU	WS1
A:8260B	600-121181-C-15		600-176120		11/11/2015 16:31	1	TAL HOU	WS1
P:3010A	600-121181-A-15-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-15-A		560-122028	560-121939	11/14/2015 16:44	1	TAL CC	JEM

Lab ID: 600-121181-16

Client ID: ARTESIA-MW25-11042015

Sample Date/Time: 11/04/2015 08:25 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-16		600-176120		11/11/2015 16:57	1	TAL HOU	WS1
A:8260B	600-121181-C-16		600-176120		11/11/2015 16:57	1	TAL HOU	WS1
P:3010A	600-121181-A-16-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-16-A		560-122028	560-121939	11/14/2015 17:17	1	TAL CC	JEM

Lab ID: 600-121181-17

Client ID: ARTESIA-MD02-11042015

Sample Date/Time: 11/04/2015 09:00 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-17		600-176120		11/11/2015 17:23	1	TAL HOU	WS1
A:8260B	600-121181-C-17		600-176120		11/11/2015 17:23	1	TAL HOU	WS1
P:3010A	600-121181-A-17-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-17-A		560-122028	560-121939	11/14/2015 17:22	1	TAL CC	JEM

Lab ID: 600-121181-18

Client ID: ARTESIA-MW22-11042015

Sample Date/Time: 11/04/2015 09:17 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-18		600-176120		11/11/2015 17:49	1	TAL HOU	WS1
A:8260B	600-121181-C-18		600-176120		11/11/2015 17:49	1	TAL HOU	WS1
P:3010A	600-121181-A-18-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-18-A		560-122028	560-121939	11/14/2015 17:28	1	TAL CC	JEM

Lab ID: 600-121181-19

Client ID: ARTESIA-HS31-11042015

Sample Date/Time: 11/04/2015 09:47 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-19		600-176120		11/11/2015 18:15	1	TAL HOU	WS1
A:8260B	600-121181-C-19		600-176120		11/11/2015 18:15	1	TAL HOU	WS1
P:3010A	600-121181-A-19-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-19-A		560-122028	560-121939	11/14/2015 17:34	1	TAL CC	JEM

TestAmerica Houston

A = Analytical Method P = Prep Method

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-20

Client ID: ARTESIA-MW31-11042015

Sample Date/Time: 11/04/2015 10:18 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-20		600-176120		11/11/2015 18:40	1	TAL HOU	WS1
A:8260B	600-121181-C-20		600-176120		11/11/2015 18:40	1	TAL HOU	WS1
P:3010A	600-121181-A-20-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-20-A		560-122028	560-121939	11/14/2015 17:40	1	TAL CC	JEM

Lab ID: 600-121181-21

Client ID: ARTESIA-MW21-11042015

Sample Date/Time: 11/04/2015 10:54 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-21		600-176120		11/11/2015 19:06	1	TAL HOU	WS1
A:8260B	600-121181-C-21		600-176120		11/11/2015 19:06	1	TAL HOU	WS1
P:3010A	600-121181-A-21-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-21-A		560-122028	560-121939	11/14/2015 17:45	1	TAL CC	JEM

Lab ID: 600-121181-22

Client ID: ARTESIA-MW20-11042015

Sample Date/Time: 11/04/2015 11:21 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-22		600-176120		11/11/2015 19:32	1	TAL HOU	WS1
A:8260B	600-121181-C-22		600-176120		11/11/2015 19:32	1	TAL HOU	WS1
P:3010A	600-121181-A-22-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-22-A		560-122028	560-121939	11/14/2015 17:51	1	TAL CC	JEM

Lab ID: 600-121181-23

Client ID: ARTESIA-MW11-11042015

Sample Date/Time: 11/04/2015 11:52 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-23		600-176120		11/11/2015 19:57	1	TAL HOU	WS1
A:8260B	600-121181-B-23		600-176120		11/11/2015 19:57	1	TAL HOU	WS1

Lab ID: 600-121181-24

Client ID: ARTESIA-MW08-11042015

Sample Date/Time: 11/04/2015 12:24 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-24		600-176120		11/11/2015 20:23	1	TAL HOU	WS1
A:8260B	600-121181-C-24		600-176120		11/11/2015 20:23	1	TAL HOU	WS1

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-25

Client ID: ARTESIA-MD01-11042015

Sample Date/Time: 11/04/2015 12:30 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-25		600-176238		11/12/2015 16:07	1	TAL HOU	WS1
A:8260B	600-121181-B-25		600-176238		11/12/2015 16:07	1	TAL HOU	WS1
P:3010A	600-121181-A-25-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-25-A		560-122028	560-121939	11/14/2015 17:57	1	TAL CC	JEM

Lab ID: 600-121181-26

Client ID: ARTESIA-MW18-11042015

Sample Date/Time: 11/04/2015 12:57 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-26		600-176238		11/12/2015 16:32	1	TAL HOU	WS1
A:8260B	600-121181-C-26		600-176238		11/12/2015 16:32	1	TAL HOU	WS1
P:3010A	600-121181-A-26-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121181-A-26-A		560-122028	560-121939	11/14/2015 18:03	1	TAL CC	JEM

Lab ID: 600-121181-27

Client ID: ARTESIA-MW07-11042015

Sample Date/Time: 11/04/2015 13:30 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-27		600-176238		11/12/2015 16:57	1	TAL HOU	WS1
A:8260B	600-121181-B-27		600-176238		11/12/2015 16:57	1	TAL HOU	WS1

Lab ID: 600-121181-28

Client ID: ARTESIA-MW01-11042015

Sample Date/Time: 11/04/2015 14:05 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-28		600-176120		11/11/2015 11:45	1	TAL HOU	WS1
A:8260B	600-121181-B-28		600-176120		11/11/2015 11:45	1	TAL HOU	WS1

Lab ID: 600-121181-28

Client ID: ARTESIA-MW01-11042015

Sample Date/Time: 11/04/2015 14:05 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-28 MS		600-176120		11/11/2015 13:29	1	TAL HOU	WS1
A:8260B	600-121181-B-28 MS		600-176120		11/11/2015 13:29	1	TAL HOU	WS1

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: 600-121181-28

Client ID: ARTESIA-MW01-11042015

Sample Date/Time: 11/04/2015 14:05 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-C-28 MSD		600-176120		11/11/2015 13:55	1	TAL HOU	WS1
A:8260B	600-121181-C-28 MSD		600-176120		11/11/2015 13:55	1	TAL HOU	WS1

Lab ID: 600-121181-31

Client ID: ARTESIA-MW17C-11042015

Sample Date/Time: 11/04/2015 15:00 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-A-31		600-176238		11/12/2015 17:23	1	TAL HOU	WS1
A:8260B	600-121181-A-31		600-176238		11/12/2015 17:23	1	TAL HOU	WS1

Lab ID: 600-121181-32

Client ID: ARTESIA-HS12-11042015

Sample Date/Time: 11/04/2015 15:15 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-A-32		600-176357		11/13/2015 11:42	10	TAL HOU	WS1
A:8260B	600-121181-A-32		600-176357		11/13/2015 11:42	10	TAL HOU	WS1
P:5030B	600-121181-A-32	DL	600-176357		11/13/2015 19:46	100	TAL HOU	WS1
A:8260B	600-121181-A-32	DL	600-176357		11/13/2015 19:46	100	TAL HOU	WS1

Lab ID: 600-121181-33

Client ID: ARTESIA-MW12-11042015

Sample Date/Time: 11/04/2015 15:37 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-33		600-176357		11/13/2015 12:33	10	TAL HOU	WS1
A:8260B	600-121181-B-33		600-176357		11/13/2015 12:33	10	TAL HOU	WS1
P:5030B	600-121181-B-33	DL	600-176357		11/13/2015 12:58	100	TAL HOU	WS1
A:8260B	600-121181-B-33	DL	600-176357		11/13/2015 12:58	100	TAL HOU	WS1

Lab ID: 600-121181-34

Client ID: ARTESIA-MW15-11042015

Sample Date/Time: 11/04/2015 16:09 Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-121181-B-34		600-176238		11/12/2015 17:49	1	TAL HOU	WS1
A:8260B	600-121181-B-34		600-176238		11/12/2015 17:49	1	TAL HOU	WS1

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-175890/6		600-175890		11/09/2015 12:23	1	TAL HOU	WS1
A:8260B	MB 600-175890/6		600-175890		11/09/2015 12:23	1	TAL HOU	WS1
P:5030B	MB 600-176006/6		600-176006		11/10/2015 12:20	1	TAL HOU	WS1
A:8260B	MB 600-176006/6		600-176006		11/10/2015 12:20	1	TAL HOU	WS1
P:5030B	MB 600-176120/6		600-176120		11/11/2015 11:20	1	TAL HOU	WS1
A:8260B	MB 600-176120/6		600-176120		11/11/2015 11:20	1	TAL HOU	WS1
P:5030B	MB 600-176238/6		600-176238		11/12/2015 12:43	1	TAL HOU	WS1
A:8260B	MB 600-176238/6		600-176238		11/12/2015 12:43	1	TAL HOU	WS1
P:5030B	MB 600-176357/6		600-176357		11/13/2015 11:16	1	TAL HOU	WS1
A:8260B	MB 600-176357/6		600-176357		11/13/2015 11:16	1	TAL HOU	WS1
P:3010A	MB 560-121934/1-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	MB 560-121934/1-A		560-122025	560-121934	11/13/2015 14:49	1	TAL CC	JEM
P:3010A	MB 560-121939/1-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	MB 560-121939/1-A		560-122028	560-121939	11/14/2015 14:58	1	TAL CC	JEM

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-175890/3		600-175890		11/09/2015 11:06	1	TAL HOU	WS1
A:8260B	LCS 600-175890/3		600-175890		11/09/2015 11:06	1	TAL HOU	WS1
P:5030B	LCS 600-176006/3		600-176006		11/10/2015 11:03	1	TAL HOU	WS1
A:8260B	LCS 600-176006/3		600-176006		11/10/2015 11:03	1	TAL HOU	WS1
P:5030B	LCS 600-176120/3		600-176120		11/11/2015 10:03	1	TAL HOU	WS1
A:8260B	LCS 600-176120/3		600-176120		11/11/2015 10:03	1	TAL HOU	WS1
P:5030B	LCS 600-176238/3		600-176238		11/12/2015 13:09	1	TAL HOU	WS1
A:8260B	LCS 600-176238/3		600-176238		11/12/2015 13:09	1	TAL HOU	WS1
P:5030B	LCS 600-176357/3		600-176357		11/13/2015 10:00	1	TAL HOU	WS1
A:8260B	LCS 600-176357/3		600-176357		11/13/2015 10:00	1	TAL HOU	WS1
P:3010A	LCS 560-121934/2-A		560-122025	560-121934	11/12/2015 08:00	1	TAL CC	cc56
A:6020	LCS 560-121934/2-A		560-122025	560-121934	11/13/2015 15:34	1	TAL CC	JEM
P:3010A	LCS 560-121939/2-A		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	LCS 560-121939/2-A		560-122028	560-121939	11/14/2015 15:03	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 600-175890/4		600-175890		11/09/2015 11:32	1	TAL HOU	WS1
A:8260B	LCSD 600-175890/4		600-175890		11/09/2015 11:32	1	TAL HOU	WS1
P:5030B	LCSD 600-176006/4		600-176006		11/10/2015 11:28	1	TAL HOU	WS1
A:8260B	LCSD 600-176006/4		600-176006		11/10/2015 11:28	1	TAL HOU	WS1
P:5030B	LCSD 600-176120/4		600-176120		11/11/2015 10:28	1	TAL HOU	WS1
A:8260B	LCSD 600-176120/4		600-176120		11/11/2015 10:28	1	TAL HOU	WS1
P:5030B	LCSD 600-176238/4		600-176238		11/12/2015 13:34	1	TAL HOU	WS1
A:8260B	LCSD 600-176238/4		600-176238		11/12/2015 13:34	1	TAL HOU	WS1
P:5030B	LCSD 600-176357/4		600-176357		11/13/2015 10:25	1	TAL HOU	WS1
A:8260B	LCSD 600-176357/4		600-176357		11/13/2015 10:25	1	TAL HOU	WS1

Lab ID: MS

Client ID: N/A

Sample Date/Time: 11/05/2015 13:48

Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-121191-C-4-B MS		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121191-C-4-B MS		560-122028	560-121939	11/14/2015 15:20	1	TAL CC	JEM

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 11/05/2015 13:48

Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-121191-B-4-A MSD		560-122028	560-121939	11/12/2015 09:30	1	TAL CC	cc56
A:6020	600-121191-B-4-A MSD		560-122028	560-121939	11/14/2015 15:52	1	TAL CC	JEM

Lab ID: SD

Client ID: N/A

Sample Date/Time: 11/05/2015 13:48

Received Date/Time: 11/06/2015 08:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-121191-C-4-A SD		560-122028	560-121939	11/12/2015 09:30	5	TAL CC	cc56
A:6020	600-121191-C-4-A SD		560-122028	560-121939	11/14/2015 15:58	5	TAL CC	JEM

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Certification Summary

Client: CH2M Hill, Inc.
Project/Site: Dowell - Artesia Groundwater

TestAmerica Job ID: 600-121181-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	15-045-0
TestAmerica Houston	Louisiana	NELAP	6	01967
TestAmerica Houston	Oklahoma	State Program	6	2015-050
TestAmerica Houston	Texas	NELAP	6	T104704223-15-18
TestAmerica Houston	USDA	Federal		P330-14-00192
TestAmerica Houston	Utah	NELAP	8	TX000832014-4
TestAmerica Corpus Christi	Oklahoma	State Program	6	2015-119
TestAmerica Corpus Christi	Texas	NELAP	6	T104704210-15-14
TestAmerica Corpus Christi	USDA	Federal		P330-14-00328

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260B_LL

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TRIP BLANK	600-121181-1	101	108	115	113
ARTESIA-MW33-11032 015	600-121181-2	104	109	111	111
ARTESIA-MW32-11032 015	600-121181-3	102	105	109	108
ARTESIA-MW26-11032 015	600-121181-6	103	110	112	111
ARTESIA-MW30-11032 015	600-121181-7	107	117	108	109
ARTESIA-HS29-11032 015	600-121181-8	107	115	108	107
ARTESIA-MW29-11032 015	600-121181-9	106	112	109	110
ARTESIA-MW28-11032 015	600-121181-10	100	98	113	109
ARTESIA-MD03-11032 015	600-121181-11	106	116	110	111
ARTESIA-MW34-11032 015	600-121181-12	102	102	111	108
ARTESIA-OUTLET-110 42015	600-121181-13	99	103	115	110
ARTESIA-MID-110420 15	600-121181-14	105	111	111	108
ARTESIA-INLET-1104 2015	600-121181-15	105	114	109	108
ARTESIA-MW25-11042 015	600-121181-16	104	112	110	109
ARTESIA-MD02-11042 015	600-121181-17	102	109	109	106
ARTESIA-MW22-11042 015	600-121181-18	106	114	109	104
ARTESIA-HS31-11042 015	600-121181-19	102	112	107	108
ARTESIA-MW31-11042 015	600-121181-20	104	114	110	108
ARTESIA-MW21-11042 015	600-121181-21	103	114	110	107
ARTESIA-MW20-11042 015	600-121181-22	108	114	110	108
ARTESIA-MW11-11042 015	600-121181-23	106	114	109	110
ARTESIA-MW08-11042 015	600-121181-24	104	112	110	108
ARTESIA-MD01-11042 015	600-121181-25	102	110	113	106
ARTESIA-MW18-11042 015	600-121181-26	105	113	108	107
ARTESIA-MW07-11042 015	600-121181-27	104	113	108	107

QC LIMITS

DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
ARTESIA-MW01-11042 015	600-121181-28	101	108	111	109
ARTESIA-MW17C-1104 2015	600-121181-31	102	108	110	108
ARTESIA-HS12-11042 015	600-121181-32	105	105	111	97
ARTESIA-HS12-11042 015 DL	600-121181-32 DL	106	114	111	108
ARTESIA-MW12-11042 015	600-121181-33	99	98	112	102
ARTESIA-MW12-11042 015 DL	600-121181-33 DL	116	120	128	119
ARTESIA-MW15-11042 015	600-121181-34	109	117	108	108
	MB 600-175890/6	99	105	110	107
	MB 600-176006/6	96	101	114	109
	MB 600-176120/6	99	103	111	109
	MB 600-176238/6	101	104	111	107
	MB 600-176357/6	104	104	112	106
	LCS 600-175890/3	107	103	114	106
	LCS 600-176006/3	107	102	116	108
	LCS 600-176120/3	108	105	114	107
	LCS 600-176238/3	110	105	112	109
	LCS 600-176357/3	109	107	115	108
	LCSD 600-175890/4	109	109	112	109
	LCSD 600-176006/4	109	106	114	106
	LCSD 600-176120/4	111	107	112	109
	LCSD 600-176238/4	108	104	110	109
	LCSD 600-176357/4	108	107	110	107
ARTESIA-MW32-11032 015 MS	600-121181-3 MS	110	112	110	108
ARTESIA-MW01-11042 015 MS	600-121181-28 MS	112	113	112	106
ARTESIA-MW32-11032 015 MSD	600-121181-3 MSD	111	108	110	109
ARTESIA-MW01-11042 015 MSD	600-121181-28 MSD	114	108	112	106

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A31302.D
Lab ID: LCS 600-175890/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Benzene	0.0100	0.009118	91	70-130	
Bromobenzene	0.0100	0.01061	106	70-130	
Bromochloromethane	0.0100	0.009211	92	58-130	
Bromodichloromethane	0.0100	0.01065	107	70-131	
Bromoform	0.0100	0.009572	96	54-133	
Bromomethane	0.0100	0.009384	94	25-150	
2-Butanone (MEK)	0.0200	0.01645	82	41-141	
Carbon tetrachloride	0.0100	0.01166	117	70-144	
Chlorobenzene	0.0100	0.01022	102	69-130	
Chlorodibromomethane	0.0100	0.01070	107	62-130	
Chloroethane	0.0100	0.008454	85	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01783	89	10-150	
Chloroform	0.0100	0.01041	104	70-130	
Chloromethane	0.0100	0.009907	99	10-150	
2-Chlorotoluene	0.0100	0.01089	109	65-130	
4-Chlorotoluene	0.0100	0.01146	115	70-130	
cis-1,2-Dichloroethene	0.0100	0.008680	87	68-130	
cis-1,3-Dichloropropene	0.0100	0.01024	102	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.009699	97	41-142	
Dibromomethane	0.0100	0.009360	94	70-130	
1,2-Dichlorobenzene	0.0100	0.01076	108	70-130	
1,3-Dichlorobenzene	0.0100	0.01092	109	70-130	
1,4-Dichlorobenzene	0.0100	0.01096	110	70-130	
Dichlorodifluoromethane	0.0100	0.01443	144	10-150	
1,1-Dichloroethane	0.0100	0.009260	93	70-140	
1,2-Dichloroethane	0.0100	0.01025	103	67-134	
1,1-Dichloroethene	0.0100	0.007824	78	58-148	
1,2-Dichloropropane	0.0100	0.009164	92	70-130	
1,3-Dichloropropane	0.0100	0.01019	102	70-130	
2,2-Dichloropropane	0.0100	0.01122	112	64-149	
1,1-Dichloropropene	0.0100	0.009907	99	70-137	
Ethylbenzene	0.0100	0.01098	110	70-130	
Ethylene Dibromide	0.0100	0.009616	96	67-130	
Hexachlorobutadiene	0.0100	0.01267	127	55-150	
Isopropylbenzene	0.0100	0.01147	115	65-132	
Methylene Chloride	0.0100	0.006481	65	55-147	
Methyl tert-butyl ether	0.0100	0.008204	82	56-132	
m-Xylene & p-Xylene	0.0100	0.01160	116	70-130	
Naphthalene	0.0100	0.01031	103	10-150	
n-Butylbenzene	0.0100	0.01263	126	70-130	
N-Propylbenzene	0.0100	0.01124	112	69-130	
o-Xylene	0.0100	0.01140	114	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31302.D
 Lab ID: LCS 600-175890/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.01236	124	70-130	
sec-Butylbenzene	0.0100	0.01203	120	68-130	
Styrene	0.0100	0.01072	107	70-130	
tert-Butylbenzene	0.0100	0.01198	120	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01138	114	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009493	95	58-133	
Tetrachloroethene	0.0100	0.01073	107	47-150	
Toluene	0.0100	0.01039	104	70-130	
trans-1,2-Dichloroethene	0.0100	0.008615	86	68-131	
trans-1,3-Dichloropropene	0.0100	0.01032	103	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01089	109	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01078	108	46-150	
1,1,1-Trichloroethane	0.0100	0.01137	114	70-136	
1,1,2-Trichloroethane	0.0100	0.009643	96	70-130	
Trichloroethene	0.0100	0.009313	93	70-130	
Trichlorofluoromethane	0.0100	0.01031	103	43-150	
1,2,3-Trichloropropane	0.0100	0.009439	94	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01169	117	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01173	117	69-130	
Vinyl chloride	0.0100	0.009631	96	33-150	
Xylenes, Total	0.0200	0.02300	115	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31402.D
 Lab ID: LCS 600-176006/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Benzene	0.0100	0.008584	86	70-130	
Bromobenzene	0.0100	0.01075	107	70-130	
Bromochloromethane	0.0100	0.008689	87	58-130	
Bromodichloromethane	0.0100	0.01003	100	70-131	
Bromoform	0.0100	0.009929	99	54-133	
Bromomethane	0.0100	0.008259	83	25-150	
2-Butanone (MEK)	0.0200	0.01583	79	41-141	
Carbon tetrachloride	0.0100	0.01123	112	70-144	
Chlorobenzene	0.0100	0.01022	102	69-130	
Chlorodibromomethane	0.0100	0.01068	107	62-130	
Chloroethane	0.0100	0.007807	78	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01601	80	10-150	
Chloroform	0.0100	0.009962	100	70-130	
Chloromethane	0.0100	0.009446	94	10-150	
2-Chlorotoluene	0.0100	0.01131	113	65-130	
4-Chlorotoluene	0.0100	0.01189	119	70-130	
cis-1,2-Dichloroethene	0.0100	0.008396	84	68-130	
cis-1,3-Dichloropropene	0.0100	0.01048	105	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.01051	105	41-142	
Dibromomethane	0.0100	0.008631	86	70-130	
1,2-Dichlorobenzene	0.0100	0.01107	111	70-130	
1,3-Dichlorobenzene	0.0100	0.01126	113	70-130	
1,4-Dichlorobenzene	0.0100	0.01117	112	70-130	
Dichlorodifluoromethane	0.0100	0.01315	131	10-150	
1,1-Dichloroethane	0.0100	0.008634	86	70-140	
1,2-Dichloroethane	0.0100	0.009835	98	67-134	
1,1-Dichloroethene	0.0100	0.007021	70	58-148	
1,2-Dichloropropane	0.0100	0.008885	89	70-130	
1,3-Dichloropropane	0.0100	0.009984	100	70-130	
2,2-Dichloropropane	0.0100	0.01050	105	64-149	
1,1-Dichloropropene	0.0100	0.009383	94	70-137	
Ethylbenzene	0.0100	0.01091	109	70-130	
Ethylene Dibromide	0.0100	0.009659	97	67-130	
Hexachlorobutadiene	0.0100	0.01279	128	55-150	
Isopropylbenzene	0.0100	0.01173	117	65-132	
Methylene Chloride	0.0100	0.006569	66	55-147	
Methyl tert-butyl ether	0.0100	0.007748	77	56-132	
m-Xylene & p-Xylene	0.0100	0.01174	117	70-130	
Naphthalene	0.0100	0.01035	104	10-150	
n-Butylbenzene	0.0100	0.01297	130	70-130	
N-Propylbenzene	0.0100	0.01175	118	69-130	
o-Xylene	0.0100	0.01130	113	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31402.D
 Lab ID: LCS 600-176006/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.01282	128	70-130	
sec-Butylbenzene	0.0100	0.01251	125	68-130	
Styrene	0.0100	0.01063	106	70-130	
tert-Butylbenzene	0.0100	0.01253	125	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01148	115	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009521	95	58-133	
Tetrachloroethene	0.0100	0.01091	109	47-150	
Toluene	0.0100	0.01035	103	70-130	
trans-1,2-Dichloroethene	0.0100	0.008210	82	68-131	
trans-1,3-Dichloropropene	0.0100	0.01065	106	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01131	113	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01102	110	46-150	
1,1,1-Trichloroethane	0.0100	0.01070	107	70-136	
1,1,2-Trichloroethane	0.0100	0.009804	98	70-130	
Trichloroethene	0.0100	0.008965	90	70-130	
Trichlorofluoromethane	0.0100	0.009568	96	43-150	
1,2,3-Trichloropropane	0.0100	0.009216	92	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01212	121	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01218	122	69-130	
Vinyl chloride	0.0100	0.008695	87	33-150	
Xylenes, Total	0.0200	0.02304	115	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31502.D
 Lab ID: LCS 600-176120/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Benzene	0.0100	0.008489	85	70-130	
Bromobenzene	0.0100	0.01087	109	70-130	
Bromochloromethane	0.0100	0.008929	89	58-130	
Bromodichloromethane	0.0100	0.01064	106	70-131	
Bromoform	0.0100	0.009917	99	54-133	
Bromomethane	0.0100	0.008583	86	25-150	
2-Butanone (MEK)	0.0200	0.01712	86	41-141	
Carbon tetrachloride	0.0100	0.01106	111	70-144	
Chlorobenzene	0.0100	0.01020	102	69-130	
Chlorodibromomethane	0.0100	0.01102	110	62-130	
Chloroethane	0.0100	0.008429	84	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01643	82	10-150	
Chloroform	0.0100	0.01014	101	70-130	
Chloromethane	0.0100	0.009710	97	10-150	
2-Chlorotoluene	0.0100	0.01094	109	65-130	
4-Chlorotoluene	0.0100	0.01151	115	70-130	
cis-1,2-Dichloroethene	0.0100	0.008241	82	68-130	
cis-1,3-Dichloropropene	0.0100	0.01028	103	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.009869	99	41-142	
Dibromomethane	0.0100	0.008775	88	70-130	
1,2-Dichlorobenzene	0.0100	0.01086	109	70-130	
1,3-Dichlorobenzene	0.0100	0.01112	111	70-130	
1,4-Dichlorobenzene	0.0100	0.01072	107	70-130	
Dichlorodifluoromethane	0.0100	0.01373	137	10-150	
1,1-Dichloroethane	0.0100	0.008458	85	70-140	
1,2-Dichloroethane	0.0100	0.009995	100	67-134	
1,1-Dichloroethene	0.0100	0.007088	71	58-148	
1,2-Dichloropropane	0.0100	0.008986	90	70-130	
1,3-Dichloropropane	0.0100	0.01031	103	70-130	
2,2-Dichloropropane	0.0100	0.01046	105	64-149	
1,1-Dichloropropene	0.0100	0.009198	92	70-137	
Ethylbenzene	0.0100	0.01085	108	70-130	
Ethylene Dibromide	0.0100	0.009934	99	67-130	
Hexachlorobutadiene	0.0100	0.01247	125	55-150	
Isopropylbenzene	0.0100	0.01157	116	65-132	
Methylene Chloride	0.0100	0.005667	57	55-147	
Methyl tert-butyl ether	0.0100	0.007735	77	56-132	
m-Xylene & p-Xylene	0.0100	0.01152	115	70-130	
Naphthalene	0.0100	0.01068	107	10-150	
n-Butylbenzene	0.0100	0.01264	126	70-130	
N-Propylbenzene	0.0100	0.01151	115	69-130	
o-Xylene	0.0100	0.01122	112	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31502.D
 Lab ID: LCS 600-176120/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.01237	124	70-130	
sec-Butylbenzene	0.0100	0.01228	123	68-130	
Styrene	0.0100	0.01083	108	70-130	
tert-Butylbenzene	0.0100	0.01226	123	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01161	116	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009851	99	58-133	
Tetrachloroethene	0.0100	0.01033	103	47-150	
Toluene	0.0100	0.01001	100	70-130	
trans-1,2-Dichloroethene	0.0100	0.007899	79	68-131	
trans-1,3-Dichloropropene	0.0100	0.01078	108	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01108	111	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01104	110	46-150	
1,1,1-Trichloroethane	0.0100	0.01063	106	70-136	
1,1,2-Trichloroethane	0.0100	0.01022	102	70-130	
Trichloroethene	0.0100	0.008900	89	70-130	
Trichlorofluoromethane	0.0100	0.01021	102	43-150	
1,2,3-Trichloropropane	0.0100	0.01003	100	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01195	119	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01189	119	69-130	
Vinyl chloride	0.0100	0.009147	91	33-150	
Xylenes, Total	0.0200	0.02274	114	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31602A.D
 Lab ID: LCS 600-176238/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Benzene	0.0100	0.008469	85	70-130	
Bromobenzene	0.0100	0.01106	111	70-130	
Bromochloromethane	0.0100	0.008704	87	58-130	
Bromodichloromethane	0.0100	0.01059	106	70-131	
Bromoform	0.0100	0.009902	99	54-133	
Bromomethane	0.0100	0.009384	94	25-150	
2-Butanone (MEK)	0.0200	0.01629	81	41-141	
Carbon tetrachloride	0.0100	0.01100	110	70-144	
Chlorobenzene	0.0100	0.01037	104	69-130	
Chlorodibromomethane	0.0100	0.01101	110	62-130	
Chloroethane	0.0100	0.008537	85	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01621	81	10-150	
Chloroform	0.0100	0.01026	103	70-130	
Chloromethane	0.0100	0.009948	99	10-150	
2-Chlorotoluene	0.0100	0.01134	113	65-130	
4-Chlorotoluene	0.0100	0.01196	120	70-130	
cis-1,2-Dichloroethene	0.0100	0.008199	82	68-130	
cis-1,3-Dichloropropene	0.0100	0.01016	102	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.009488	95	41-142	
Dibromomethane	0.0100	0.009107	91	70-130	
1,2-Dichlorobenzene	0.0100	0.01125	113	70-130	
1,3-Dichlorobenzene	0.0100	0.01148	115	70-130	
1,4-Dichlorobenzene	0.0100	0.01138	114	70-130	
Dichlorodifluoromethane	0.0100	0.01367	137	10-150	
1,1-Dichloroethane	0.0100	0.008478	85	70-140	
1,2-Dichloroethane	0.0100	0.009915	99	67-134	
1,1-Dichloroethene	0.0100	0.006714	67	58-148	
1,2-Dichloropropane	0.0100	0.009013	90	70-130	
1,3-Dichloropropane	0.0100	0.01020	102	70-130	
2,2-Dichloropropane	0.0100	0.01047	105	64-149	
1,1-Dichloropropene	0.0100	0.009207	92	70-137	
Ethylbenzene	0.0100	0.01081	108	70-130	
Ethylene Dibromide	0.0100	0.009903	99	67-130	
Hexachlorobutadiene	0.0100	0.01261	126	55-150	
Isopropylbenzene	0.0100	0.01168	117	65-132	
Methylene Chloride	0.0100	0.005694	57	55-147	
Methyl tert-butyl ether	0.0100	0.007723	77	56-132	
m-Xylene & p-Xylene	0.0100	0.01166	117	70-130	
Naphthalene	0.0100	0.01019	102	10-150	
n-Butylbenzene	0.0100	0.01312	131	70-130	*
N-Propylbenzene	0.0100	0.01180	118	69-130	
o-Xylene	0.0100	0.01135	113	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31602A.D
 Lab ID: LCS 600-176238/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.01291	129	70-130	
sec-Butylbenzene	0.0100	0.01264	126	68-130	
Styrene	0.0100	0.01103	110	70-130	
tert-Butylbenzene	0.0100	0.01263	126	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01168	117	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009858	99	58-133	
Tetrachloroethene	0.0100	0.01028	103	47-150	
Toluene	0.0100	0.009965	100	70-130	
trans-1,2-Dichloroethene	0.0100	0.007915	79	68-131	
trans-1,3-Dichloropropene	0.0100	0.01085	108	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01075	108	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01091	109	46-150	
1,1,1-Trichloroethane	0.0100	0.01059	106	70-136	
1,1,2-Trichloroethane	0.0100	0.009998	100	70-130	
Trichloroethene	0.0100	0.008942	89	70-130	
Trichlorofluoromethane	0.0100	0.01042	104	43-150	
1,2,3-Trichloropropane	0.0100	0.01009	101	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01223	122	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01215	122	69-130	
Vinyl chloride	0.0100	0.009377	94	33-150	
Xylenes, Total	0.0200	0.02301	115	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31702.D
 Lab ID: LCS 600-176357/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Benzene	0.0100	0.008241	82	70-130	
Bromobenzene	0.0100	0.01065	107	70-130	
Bromochloromethane	0.0100	0.008441	84	58-130	
Bromodichloromethane	0.0100	0.01065	107	70-131	
Bromoform	0.0100	0.01009	101	54-133	
Bromomethane	0.0100	0.008464	85	25-150	
2-Butanone (MEK)	0.0200	0.01615	81	41-141	
Carbon tetrachloride	0.0100	0.01059	106	70-144	
Chlorobenzene	0.0100	0.01020	102	69-130	
Chlorodibromomethane	0.0100	0.01130	113	62-130	
Chloroethane	0.0100	0.008465	85	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01673	84	10-150	
Chloroform	0.0100	0.009941	99	70-130	
Chloromethane	0.0100	0.01003	100	10-150	
2-Chlorotoluene	0.0100	0.01089	109	65-130	
4-Chlorotoluene	0.0100	0.01144	114	70-130	
cis-1,2-Dichloroethene	0.0100	0.008145	81	68-130	
cis-1,3-Dichloropropene	0.0100	0.01019	102	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.01005	101	41-142	
Dibromomethane	0.0100	0.009016	90	70-130	
1,2-Dichlorobenzene	0.0100	0.01116	112	70-130	
1,3-Dichlorobenzene	0.0100	0.01107	111	70-130	
1,4-Dichlorobenzene	0.0100	0.01095	109	70-130	
Dichlorodifluoromethane	0.0100	0.01386	139	10-150	
1,1-Dichloroethane	0.0100	0.008096	81	70-140	
1,2-Dichloroethane	0.0100	0.009879	99	67-134	
1,1-Dichloroethene	0.0100	0.006522	65	58-148	
1,2-Dichloropropane	0.0100	0.008574	86	70-130	
1,3-Dichloropropane	0.0100	0.01024	102	70-130	
2,2-Dichloropropane	0.0100	0.01024	102	64-149	
1,1-Dichloropropene	0.0100	0.008860	89	70-137	
Ethylbenzene	0.0100	0.01089	109	70-130	
Ethylene Dibromide	0.0100	0.01011	101	67-130	
Hexachlorobutadiene	0.0100	0.01303	130	55-150	
Isopropylbenzene	0.0100	0.01129	113	65-132	
Methylene Chloride	0.0100	0.006085	61	55-147	
Methyl tert-butyl ether	0.0100	0.007660	77	56-132	
m-Xylene & p-Xylene	0.0100	0.01141	114	70-130	
Naphthalene	0.0100	0.01082	108	10-150	
n-Butylbenzene	0.0100	0.01262	126	70-130	
N-Propylbenzene	0.0100	0.01138	114	69-130	
o-Xylene	0.0100	0.01140	114	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31702.D
 Lab ID: LCS 600-176357/3 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.01231	123	70-130	
sec-Butylbenzene	0.0100	0.01221	122	68-130	
Styrene	0.0100	0.01094	109	70-130	
tert-Butylbenzene	0.0100	0.01225	122	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01159	116	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.01000	100	58-133	
Tetrachloroethene	0.0100	0.01006	101	47-150	
Toluene	0.0100	0.009872	99	70-130	
trans-1,2-Dichloroethene	0.0100	0.007643	76	68-131	
trans-1,3-Dichloropropene	0.0100	0.01087	109	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01133	113	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01102	110	46-150	
1,1,1-Trichloroethane	0.0100	0.01026	103	70-136	
1,1,2-Trichloroethane	0.0100	0.01000	100	70-130	
Trichloroethene	0.0100	0.008762	88	70-130	
Trichlorofluoromethane	0.0100	0.01055	106	43-150	
1,2,3-Trichloropropane	0.0100	0.01007	101	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01183	118	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01170	117	69-130	
Vinyl chloride	0.0100	0.009613	96	33-150	
Xylenes, Total	0.0200	0.02281	114	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A31303.D
Lab ID: LCSD 600-175890/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.008773	88	4	20	70-130	
Bromobenzene	0.0100	0.01081	108	2	20	70-130	
Bromochloromethane	0.0100	0.009534	95	3	20	58-130	
Bromodichloromethane	0.0100	0.01076	108	1	20	70-131	
Bromoform	0.0100	0.01016	102	6	20	54-133	
Bromomethane	0.0100	0.009890	99	5	20	25-150	
2-Butanone (MEK)	0.0200	0.01895	95	14	20	41-141	
Carbon tetrachloride	0.0100	0.01102	110	6	20	70-144	
Chlorobenzene	0.0100	0.01006	101	2	20	69-130	
Chlorodibromomethane	0.0100	0.01138	114	6	20	62-130	
Chloroethane	0.0100	0.009050	90	7	20	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01945	97	9	20	10-150	
Chloroform	0.0100	0.01016	102	2	20	70-130	
Chloromethane	0.0100	0.01059	106	7	20	10-150	
2-Chlorotoluene	0.0100	0.01060	106	3	20	65-130	
4-Chlorotoluene	0.0100	0.01110	111	3	20	70-130	
cis-1,2-Dichloroethene	0.0100	0.008725	87	1	20	68-130	
cis-1,3-Dichloropropene	0.0100	0.01047	105	2	20	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.01046	105	8	20	41-142	
Dibromomethane	0.0100	0.009641	96	3	20	70-130	
1,2-Dichlorobenzene	0.0100	0.01115	111	4	20	70-130	
1,3-Dichlorobenzene	0.0100	0.01084	108	1	20	70-130	
1,4-Dichlorobenzene	0.0100	0.01090	109	1	20	70-130	
Dichlorodifluoromethane	0.0100	0.01465	146	2	20	10-150	
1,1-Dichloroethane	0.0100	0.009023	90	3	20	70-140	
1,2-Dichloroethane	0.0100	0.01059	106	3	20	67-134	
1,1-Dichloroethene	0.0100	0.007599	76	3	20	58-148	
1,2-Dichloropropane	0.0100	0.009219	92	1	20	70-130	
1,3-Dichloropropane	0.0100	0.01055	105	3	20	70-130	
2,2-Dichloropropane	0.0100	0.01060	106	6	20	64-149	
1,1-Dichloropropene	0.0100	0.009137	91	8	20	70-137	
Ethylbenzene	0.0100	0.01049	105	5	20	70-130	
Ethylene Dibromide	0.0100	0.01021	102	6	20	67-130	
Hexachlorobutadiene	0.0100	0.01183	118	7	20	55-150	
Isopropylbenzene	0.0100	0.01079	108	6	20	65-132	
Methylene Chloride	0.0100	0.006385	64	1	20	55-147	
Methyl tert-butyl ether	0.0100	0.009209	92	12	20	56-132	
m-Xylene & p-Xylene	0.0100	0.01093	109	6	20	70-130	
Naphthalene	0.0100	0.01161	116	12	20	10-150	
n-Butylbenzene	0.0100	0.01190	119	6	20	70-130	
N-Propylbenzene	0.0100	0.01075	108	4	20	69-130	
o-Xylene	0.0100	0.01091	109	4	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31303.D
 Lab ID: LCSD 600-175890/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01159	116	6	20	70-130	
sec-Butylbenzene	0.0100	0.01136	114	6	20	68-130	
Styrene	0.0100	0.01059	106	1	20	70-130	
tert-Butylbenzene	0.0100	0.01147	115	4	20	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01110	111	2	20	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.01052	105	10	20	58-133	
Tetrachloroethene	0.0100	0.01008	101	6	20	47-150	
Toluene	0.0100	0.009977	100	4	20	70-130	
trans-1,2-Dichloroethene	0.0100	0.008366	84	3	20	68-131	
trans-1,3-Dichloropropene	0.0100	0.01097	110	6	20	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01179	118	8	20	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01137	114	5	20	46-150	
1,1,1-Trichloroethane	0.0100	0.01081	108	5	20	70-136	
1,1,2-Trichloroethane	0.0100	0.01017	102	5	20	70-130	
Trichloroethene	0.0100	0.008923	89	4	20	70-130	
Trichlorofluoromethane	0.0100	0.01062	106	3	20	43-150	
1,2,3-Trichloropropane	0.0100	0.01050	105	11	20	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01135	114	3	20	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01108	111	6	20	69-130	
Vinyl chloride	0.0100	0.01034	103	7	20	33-150	
Xylenes, Total	0.0200	0.02184	109	5	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31403.D
 Lab ID: LCSD 600-176006/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.008381	84	2	20	70-130	
Bromobenzene	0.0100	0.01016	102	6	20	70-130	
Bromochloromethane	0.0100	0.008766	88	1	20	58-130	
Bromodichloromethane	0.0100	0.01030	103	3	20	70-131	
Bromoform	0.0100	0.01005	100	1	20	54-133	
Bromomethane	0.0100	0.009252	93	11	20	25-150	
2-Butanone (MEK)	0.0200	0.01684	84	6	20	41-141	
Carbon tetrachloride	0.0100	0.01060	106	6	20	70-144	
Chlorobenzene	0.0100	0.009985	100	2	20	69-130	
Chlorodibromomethane	0.0100	0.01093	109	2	20	62-130	
Chloroethane	0.0100	0.008675	87	11	20	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01745	87	9	20	10-150	
Chloroform	0.0100	0.009742	97	2	20	70-130	
Chloromethane	0.0100	0.01051	105	11	20	10-150	
2-Chlorotoluene	0.0100	0.01043	104	8	20	65-130	
4-Chlorotoluene	0.0100	0.01074	107	10	20	70-130	
cis-1,2-Dichloroethene	0.0100	0.008240	82	2	20	68-130	
cis-1,3-Dichloropropene	0.0100	0.01029	103	2	20	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.009628	96	9	20	41-142	
Dibromomethane	0.0100	0.009161	92	6	20	70-130	
1,2-Dichlorobenzene	0.0100	0.01060	106	4	20	70-130	
1,3-Dichlorobenzene	0.0100	0.01058	106	6	20	70-130	
1,4-Dichlorobenzene	0.0100	0.01065	107	5	20	70-130	
Dichlorodifluoromethane	0.0100	0.01447	145	10	20	10-150	
1,1-Dichloroethane	0.0100	0.008351	84	3	20	70-140	
1,2-Dichloroethane	0.0100	0.009898	99	1	20	67-134	
1,1-Dichloroethene	0.0100	0.007066	71	1	20	58-148	
1,2-Dichloropropane	0.0100	0.008776	88	1	20	70-130	
1,3-Dichloropropane	0.0100	0.01023	102	2	20	70-130	
2,2-Dichloropropane	0.0100	0.01013	101	4	20	64-149	
1,1-Dichloropropene	0.0100	0.009163	92	2	20	70-137	
Ethylbenzene	0.0100	0.01061	106	3	20	70-130	
Ethylene Dibromide	0.0100	0.01004	100	4	20	67-130	
Hexachlorobutadiene	0.0100	0.01174	117	9	20	55-150	
Isopropylbenzene	0.0100	0.01068	107	9	20	65-132	
Methylene Chloride	0.0100	0.006677	67	2	20	55-147	
Methyl tert-butyl ether	0.0100	0.008144	81	5	20	56-132	
m-Xylene & p-Xylene	0.0100	0.01107	111	6	20	70-130	
Naphthalene	0.0100	0.01078	108	4	20	10-150	
n-Butylbenzene	0.0100	0.01168	117	10	20	70-130	
N-Propylbenzene	0.0100	0.01049	105	11	20	69-130	
o-Xylene	0.0100	0.01097	110	3	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31403.D
 Lab ID: LCSD 600-176006/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01147	115	11	20	70-130	
sec-Butylbenzene	0.0100	0.01130	113	10	20	68-130	
Styrene	0.0100	0.01064	106	0	20	70-130	
tert-Butylbenzene	0.0100	0.01140	114	9	20	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01131	113	1	20	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009733	97	2	20	58-133	
Tetrachloroethene	0.0100	0.01020	102	7	20	47-150	
Toluene	0.0100	0.009762	98	6	20	70-130	
trans-1,2-Dichloroethene	0.0100	0.007799	78	5	20	68-131	
trans-1,3-Dichloropropene	0.0100	0.01064	106	0	20	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01090	109	4	20	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01061	106	4	20	46-150	
1,1,1-Trichloroethane	0.0100	0.01037	104	3	20	70-136	
1,1,2-Trichloroethane	0.0100	0.01016	102	4	20	70-130	
Trichloroethene	0.0100	0.008726	87	3	20	70-130	
Trichlorofluoromethane	0.0100	0.01042	104	9	20	43-150	
1,2,3-Trichloropropane	0.0100	0.009523	95	3	20	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01103	110	9	20	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01095	109	11	20	69-130	
Vinyl chloride	0.0100	0.009832	98	12	20	33-150	
Xylenes, Total	0.0200	0.02204	110	4	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31503.D
 Lab ID: LCSD 600-176120/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.008686	87	2	20	70-130	
Bromobenzene	0.0100	0.01097	110	1	20	70-130	
Bromochloromethane	0.0100	0.009169	92	3	20	58-130	
Bromodichloromethane	0.0100	0.01092	109	3	20	70-131	
Bromoform	0.0100	0.01024	102	3	20	54-133	
Bromomethane	0.0100	0.009318	93	8	20	25-150	
2-Butanone (MEK)	0.0200	0.01851	93	8	20	41-141	
Carbon tetrachloride	0.0100	0.01122	112	1	20	70-144	
Chlorobenzene	0.0100	0.01023	102	0	20	69-130	
Chlorodibromomethane	0.0100	0.01126	113	2	20	62-130	
Chloroethane	0.0100	0.008592	86	2	20	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01744	87	6	20	10-150	
Chloroform	0.0100	0.01038	104	2	20	70-130	
Chloromethane	0.0100	0.01007	101	4	20	10-150	
2-Chlorotoluene	0.0100	0.01123	112	3	20	65-130	
4-Chlorotoluene	0.0100	0.01185	118	3	20	70-130	
cis-1,2-Dichloroethene	0.0100	0.008604	86	4	20	68-130	
cis-1,3-Dichloropropene	0.0100	0.01061	106	3	20	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.01055	106	7	20	41-142	
Dibromomethane	0.0100	0.009431	94	7	20	70-130	
1,2-Dichlorobenzene	0.0100	0.01127	113	4	20	70-130	
1,3-Dichlorobenzene	0.0100	0.01126	113	1	20	70-130	
1,4-Dichlorobenzene	0.0100	0.01116	112	4	20	70-130	
Dichlorodifluoromethane	0.0100	0.01380	138	0	20	10-150	
1,1-Dichloroethane	0.0100	0.008748	87	3	20	70-140	
1,2-Dichloroethane	0.0100	0.01026	103	3	20	67-134	
1,1-Dichloroethene	0.0100	0.007007	70	1	20	58-148	
1,2-Dichloropropane	0.0100	0.009286	93	3	20	70-130	
1,3-Dichloropropane	0.0100	0.01048	105	2	20	70-130	
2,2-Dichloropropane	0.0100	0.01045	104	0	20	64-149	
1,1-Dichloropropene	0.0100	0.009244	92	0	20	70-137	
Ethylbenzene	0.0100	0.01085	108	0	20	70-130	
Ethylene Dibromide	0.0100	0.01050	105	6	20	67-130	
Hexachlorobutadiene	0.0100	0.01293	129	4	20	55-150	
Isopropylbenzene	0.0100	0.01151	115	1	20	65-132	
Methylene Chloride	0.0100	0.006094	61	7	20	55-147	
Methyl tert-butyl ether	0.0100	0.008414	84	8	20	56-132	
m-Xylene & p-Xylene	0.0100	0.01143	114	1	20	70-130	
Naphthalene	0.0100	0.01140	114	7	20	10-150	
n-Butylbenzene	0.0100	0.01261	126	0	20	70-130	
N-Propylbenzene	0.0100	0.01160	116	1	20	69-130	
o-Xylene	0.0100	0.01130	113	1	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31503.D
 Lab ID: LCSD 600-176120/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01249	125	1	20	70-130	
sec-Butylbenzene	0.0100	0.01223	122	0	20	68-130	
Styrene	0.0100	0.01093	109	1	20	70-130	
tert-Butylbenzene	0.0100	0.01235	124	1	20	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01182	118	2	20	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.01033	103	5	20	58-133	
Tetrachloroethene	0.0100	0.01044	104	1	20	47-150	
Toluene	0.0100	0.01014	101	1	20	70-130	
trans-1,2-Dichloroethene	0.0100	0.008254	83	4	20	68-131	
trans-1,3-Dichloropropene	0.0100	0.01130	113	5	20	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01188	119	7	20	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01155	115	5	20	46-150	
1,1,1-Trichloroethane	0.0100	0.01071	107	1	20	70-136	
1,1,2-Trichloroethane	0.0100	0.01033	103	1	20	70-130	
Trichloroethene	0.0100	0.009116	91	2	20	70-130	
Trichlorofluoromethane	0.0100	0.01032	103	1	20	43-150	
1,2,3-Trichloropropane	0.0100	0.009889	99	1	20	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01195	119	0	20	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01192	119	0	20	69-130	
Vinyl chloride	0.0100	0.009636	96	5	20	33-150	
Xylenes, Total	0.0200	0.02273	114	0	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A31603A.D
Lab ID: LCSD 600-176238/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.008142	81	4	20	70-130	
Bromobenzene	0.0100	0.01090	109	1	20	70-130	
Bromochloromethane	0.0100	0.008283	83	5	20	58-130	
Bromodichloromethane	0.0100	0.01057	106	0	20	70-131	
Bromoform	0.0100	0.01006	101	2	20	54-133	
Bromomethane	0.0100	0.009519	95	1	20	25-150	
2-Butanone (MEK)	0.0200	0.01612	81	1	20	41-141	
Carbon tetrachloride	0.0100	0.01043	104	5	20	70-144	
Chlorobenzene	0.0100	0.009948	99	4	20	69-130	
Chlorodibromomethane	0.0100	0.01096	110	0	20	62-130	
Chloroethane	0.0100	0.008699	87	2	20	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01663	83	3	20	10-150	
Chloroform	0.0100	0.009709	97	6	20	70-130	
Chloromethane	0.0100	0.01088	109	9	20	10-150	
2-Chlorotoluene	0.0100	0.01112	111	2	20	65-130	
4-Chlorotoluene	0.0100	0.01158	116	3	20	70-130	
cis-1,2-Dichloroethene	0.0100	0.007955	80	3	20	68-130	
cis-1,3-Dichloropropene	0.0100	0.01001	100	2	20	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.009881	99	4	20	41-142	
Dibromomethane	0.0100	0.008756	88	4	20	70-130	
1,2-Dichlorobenzene	0.0100	0.01111	111	1	20	70-130	
1,3-Dichlorobenzene	0.0100	0.01124	112	2	20	70-130	
1,4-Dichlorobenzene	0.0100	0.01095	110	4	20	70-130	
Dichlorodifluoromethane	0.0100	0.01415	141	3	20	10-150	
1,1-Dichloroethane	0.0100	0.008149	81	4	20	70-140	
1,2-Dichloroethane	0.0100	0.009761	98	2	20	67-134	
1,1-Dichloroethene	0.0100	0.006628	66	1	20	58-148	
1,2-Dichloropropane	0.0100	0.008719	87	3	20	70-130	
1,3-Dichloropropane	0.0100	0.01007	101	1	20	70-130	
2,2-Dichloropropane	0.0100	0.009919	99	5	20	64-149	
1,1-Dichloropropene	0.0100	0.008880	89	4	20	70-137	
Ethylbenzene	0.0100	0.01034	103	4	20	70-130	
Ethylene Dibromide	0.0100	0.009623	96	3	20	67-130	
Hexachlorobutadiene	0.0100	0.01204	120	5	20	55-150	
Isopropylbenzene	0.0100	0.01138	114	3	20	65-132	
Methylene Chloride	0.0100	0.005676	57	0	20	55-147	
Methyl tert-butyl ether	0.0100	0.007584	76	2	20	56-132	
m-Xylene & p-Xylene	0.0100	0.01131	113	3	20	70-130	
Naphthalene	0.0100	0.01107	111	8	20	10-150	
n-Butylbenzene	0.0100	0.01256	126	4	20	70-130	
N-Propylbenzene	0.0100	0.01154	115	2	20	69-130	
o-Xylene	0.0100	0.01119	112	1	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31603A.D
 Lab ID: LCSD 600-176238/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01246	125	4	20	70-130	
sec-Butylbenzene	0.0100	0.01207	121	5	20	68-130	
Styrene	0.0100	0.01066	107	3	20	70-130	
tert-Butylbenzene	0.0100	0.01238	124	2	20	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01123	112	4	20	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009950	99	1	20	58-133	
Tetrachloroethene	0.0100	0.009769	98	5	20	47-150	
Toluene	0.0100	0.009610	96	4	20	70-130	
trans-1,2-Dichloroethene	0.0100	0.007656	77	3	20	68-131	
trans-1,3-Dichloropropene	0.0100	0.01036	104	5	20	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01142	114	6	20	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01084	108	1	20	46-150	
1,1,1-Trichloroethane	0.0100	0.009984	100	6	20	70-136	
1,1,2-Trichloroethane	0.0100	0.009760	98	2	20	70-130	
Trichloroethene	0.0100	0.008874	89	1	20	70-130	
Trichlorofluoromethane	0.0100	0.01061	106	2	20	43-150	
1,2,3-Trichloropropane	0.0100	0.009805	98	3	20	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01185	118	3	20	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01186	119	2	20	69-130	
Vinyl chloride	0.0100	0.009720	97	4	20	33-150	
Xylenes, Total	0.0200	0.02250	113	2	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31703.D
 Lab ID: LCSD 600-176357/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.008155	82	1	20	70-130	
Bromobenzene	0.0100	0.01087	109	2	20	70-130	
Bromochloromethane	0.0100	0.008615	86	2	20	58-130	
Bromodichloromethane	0.0100	0.01074	107	1	20	70-131	
Bromoform	0.0100	0.01054	105	4	20	54-133	
Bromomethane	0.0100	0.009112	91	7	20	25-150	
2-Butanone (MEK)	0.0200	0.01642	82	2	20	41-141	
Carbon tetrachloride	0.0100	0.01050	105	1	20	70-144	
Chlorobenzene	0.0100	0.009923	99	3	20	69-130	
Chlorodibromomethane	0.0100	0.01092	109	3	20	62-130	
Chloroethane	0.0100	0.008963	90	6	20	47-150	
2-Chloroethyl vinyl ether	0.0200	0.01659	83	1	20	10-150	
Chloroform	0.0100	0.009903	99	0	20	70-130	
Chloromethane	0.0100	0.01056	106	5	20	10-150	
2-Chlorotoluene	0.0100	0.01113	111	2	20	65-130	
4-Chlorotoluene	0.0100	0.01176	118	3	20	70-130	
cis-1,2-Dichloroethene	0.0100	0.008133	81	0	20	68-130	
cis-1,3-Dichloropropene	0.0100	0.01009	101	1	20	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.01031	103	3	20	41-142	
Dibromomethane	0.0100	0.009011	90	0	20	70-130	
1,2-Dichlorobenzene	0.0100	0.01125	113	1	20	70-130	
1,3-Dichlorobenzene	0.0100	0.01116	112	1	20	70-130	
1,4-Dichlorobenzene	0.0100	0.01117	112	2	20	70-130	
Dichlorodifluoromethane	0.0100	0.01405	141	1	20	10-150	
1,1-Dichloroethane	0.0100	0.008305	83	3	20	70-140	
1,2-Dichloroethane	0.0100	0.009918	99	0	20	67-134	
1,1-Dichloroethene	0.0100	0.006644	66	2	20	58-148	
1,2-Dichloropropane	0.0100	0.008832	88	3	20	70-130	
1,3-Dichloropropane	0.0100	0.009896	99	3	20	70-130	
2,2-Dichloropropane	0.0100	0.01020	102	0	20	64-149	
1,1-Dichloropropene	0.0100	0.008911	89	1	20	70-137	
Ethylbenzene	0.0100	0.01060	106	3	20	70-130	
Ethylene Dibromide	0.0100	0.009807	98	3	20	67-130	
Hexachlorobutadiene	0.0100	0.01275	128	2	20	55-150	
Isopropylbenzene	0.0100	0.01150	115	2	20	65-132	
Methylene Chloride	0.0100	0.006031	60	1	20	55-147	
Methyl tert-butyl ether	0.0100	0.007770	78	1	20	56-132	
m-Xylene & p-Xylene	0.0100	0.01130	113	1	20	70-130	
Naphthalene	0.0100	0.01123	112	4	20	10-150	
n-Butylbenzene	0.0100	0.01267	127	0	20	70-130	
N-Propylbenzene	0.0100	0.01159	116	2	20	69-130	
o-Xylene	0.0100	0.01123	112	2	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31703.D
 Lab ID: LCSD 600-176357/4 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01253	125	2	20	70-130	
sec-Butylbenzene	0.0100	0.01217	122	0	20	68-130	
Styrene	0.0100	0.01064	106	3	20	70-130	
tert-Butylbenzene	0.0100	0.01231	123	0	20	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01132	113	2	20	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009936	99	1	20	58-133	
Tetrachloroethene	0.0100	0.01006	101	0	20	47-150	
Toluene	0.0100	0.009635	96	2	20	70-130	
trans-1,2-Dichloroethene	0.0100	0.007614	76	0	20	68-131	
trans-1,3-Dichloropropene	0.0100	0.01055	105	3	20	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01178	118	4	20	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01140	114	3	20	46-150	
1,1,1-Trichloroethane	0.0100	0.01026	103	0	20	70-136	
1,1,2-Trichloroethane	0.0100	0.01011	101	1	20	70-130	
Trichloroethene	0.0100	0.008584	86	2	20	70-130	
Trichlorofluoromethane	0.0100	0.01094	109	4	20	43-150	
1,2,3-Trichloropropane	0.0100	0.009686	97	4	20	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01185	119	0	20	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01180	118	1	20	69-130	
Vinyl chloride	0.0100	0.01015	101	5	20	33-150	
Xylenes, Total	0.0200	0.02253	113	1	20	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A31314.D
Lab ID: 600-121181-3 MS Client ID: ARTESIA-MW32-11032015 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Benzene	0.0100	0.000176 U	0.009046	90	70-130	
Bromobenzene	0.0100	0.000195 U	0.01044	104	70-130	
Bromochloromethane	0.0100	0.000162 U	0.009105	91	58-130	
Bromodichloromethane	0.0100	0.000153 U	0.01120	112	70-131	
Bromoform	0.0100	0.000151 U	0.01021	102	54-133	
Bromomethane	0.0100	0.000250 U	0.009288	93	25-150	
2-Butanone (MEK)	0.0200	0.000760 U	0.01914	96	41-141	
Carbon tetrachloride	0.0100	0.000183 U	0.01147	115	70-144	
Chlorobenzene	0.0100	0.000185 U	0.01017	102	69-130	
Chlorodibromomethane	0.0100	0.000119 U	0.01089	109	62-130	
Chloroethane	0.0100	0.000240 U	0.008426	84	47-150	
2-Chloroethyl vinyl ether	0.0200	0.000500 U	0.000500 U	0	10-150	F1
Chloroform	0.0100	0.000151 U	0.01080	108	70-130	
Chloromethane	0.0100	0.000209 U	0.01102	110	10-150	
2-Chlorotoluene	0.0100	0.000226 U	0.01075	108	70-130	
4-Chlorotoluene	0.0100	0.000210 U	0.01134	113	70-130	
cis-1,2-Dichloroethene	0.0100	0.000157 U	0.008791	88	68-130	
cis-1,3-Dichloropropene	0.0100	0.000160 U	0.01033	103	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.000810 U	0.01045	104	41-142	
Dibromomethane	0.0100	0.000520 U	0.009954	100	70-130	
1,2-Dichlorobenzene	0.0100	0.000153 U	0.01096	110	70-130	
1,3-Dichlorobenzene	0.0100	0.000210 U	0.01084	108	70-130	
1,4-Dichlorobenzene	0.0100	0.000176 U	0.01100	110	70-130	
Dichlorodifluoromethane	0.0100	0.000859 U	0.01400	140	10-150	
1,1-Dichloroethane	0.0100	0.000315 J	0.009420	91	70-140	
1,2-Dichloroethane	0.0100	0.000116 U	0.01107	111	67-134	
1,1-Dichloroethene	0.0100	0.000842 J	0.008301	75	58-148	
1,2-Dichloropropane	0.0100	0.000136 U	0.009483	95	70-130	
1,3-Dichloropropane	0.0100	0.000220 U	0.01058	106	70-130	
2,2-Dichloropropane	0.0100	0.000258 U	0.01099	110	64-149	
1,1-Dichloropropene	0.0100	0.000191 U	0.009584	96	70-137	
Ethylbenzene	0.0100	0.000212 U	0.01062	106	70-130	
Ethylene Dibromide	0.0100	0.000111 U	0.01002	100	67-130	
Hexachlorobutadiene	0.0100	0.000215 U	0.01192	119	55-150	
Isopropylbenzene	0.0100	0.000241 U	0.01093	109	65-132	
Methylene Chloride	0.0100	0.000176 U	0.006089	61	55-147	
Methyl tert-butyl ether	0.0100	0.000105 U	0.009067	91	56-132	
m-Xylene & p-Xylene	0.0100	0.000205 U	0.01139	114	70-130	
Naphthalene	0.0100	0.000129 U	0.009916	99	10-150	
n-Butylbenzene	0.0100	0.000212 U	0.01225	123	70-130	
N-Propylbenzene	0.0100	0.000230 U	0.01096	110	69-130	
o-Xylene	0.0100	0.000192 U	0.01127	113	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31314.D
 Lab ID: 600-121181-3 MS Client ID: ARTESIA-MW32-11032015 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.000228 U	0.01200	120	70-130	
sec-Butylbenzene	0.0100	0.000224 U	0.01170	117	68-130	
Styrene	0.0100	0.000175 U	0.007597	76	70-130	
tert-Butylbenzene	0.0100	0.000216 U	0.01170	117	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.000178 U	0.01131	113	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.000197 U	0.01020	102	58-133	
Tetrachloroethene	0.0100	0.00144	0.01143	100	47-150	
Toluene	0.0100	0.000198 U	0.01002	100	70-130	
trans-1,2-Dichloroethene	0.0100	0.000192 U	0.008272	83	68-131	
trans-1,3-Dichloropropene	0.0100	0.000137 U	0.01081	108	60-130	
1,2,3-Trichlorobenzene	0.0100	0.000570 U	0.01075	107	10-150	
1,2,4-Trichlorobenzene	0.0100	0.000177 U	0.01064	106	46-150	
1,1,1-Trichloroethane	0.0100	0.000209 U	0.01094	109	70-136	
1,1,2-Trichloroethane	0.0100	0.000209 U	0.01023	102	70-130	
Trichloroethene	0.0100	0.000360 J	0.009368	90	70-130	
Trichlorofluoromethane	0.0100	0.000244 U	0.01037	104	43-150	
1,2,3-Trichloropropane	0.0100	0.000290 U	0.009620	96	48-136	
1,2,4-Trimethylbenzene	0.0100	0.000215 U	0.01162	116	70-130	
1,3,5-Trimethylbenzene	0.0100	0.000210 U	0.01142	114	69-130	
Vinyl chloride	0.0100	0.000248 U	0.009559	96	33-150	
Xylenes, Total	0.0200	0.000366 U	0.02266	113	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A31510.D
Lab ID: 600-121181-28 MS Client ID: ARTESIA-MW01-11042015 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Benzene	0.0100	0.000176 U	0.008658	87	70-130	
Bromobenzene	0.0100	0.000195 U	0.01058	106	70-130	
Bromochloromethane	0.0100	0.000162 U	0.009284	93	58-130	
Bromodichloromethane	0.0100	0.000153 U	0.01112	111	70-131	
Bromoform	0.0100	0.000151 U	0.009822	98	54-133	
Bromomethane	0.0100	0.000250 U	0.006958	70	25-150	
2-Butanone (MEK)	0.0200	0.000760 U	0.01729	86	41-141	
Carbon tetrachloride	0.0100	0.000183 U	0.01072	107	70-144	
Chlorobenzene	0.0100	0.000185 U	0.01033	103	69-130	
Chlorodibromomethane	0.0100	0.000119 U	0.01140	114	62-130	
Chloroethane	0.0100	0.000240 U	0.007533	75	47-150	
2-Chloroethyl vinyl ether	0.0200	0.000500 U	0.0007810 J	4	10-150	F1
Chloroform	0.0100	0.000151 U	0.01023	102	70-130	
Chloromethane	0.0100	0.000209 U	0.008485	85	10-150	
2-Chlorotoluene	0.0100	0.000226 U	0.01082	108	70-130	
4-Chlorotoluene	0.0100	0.000210 U	0.01114	111	70-130	
cis-1,2-Dichloroethene	0.0100	0.000157 U	0.008465	85	68-130	
cis-1,3-Dichloropropene	0.0100	0.000160 U	0.01049	105	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.000810 U	0.01120	112	41-142	
Dibromomethane	0.0100	0.000520 U	0.009883	99	70-130	
1,2-Dichlorobenzene	0.0100	0.000153 U	0.01099	110	70-130	
1,3-Dichlorobenzene	0.0100	0.000210 U	0.01061	106	70-130	
1,4-Dichlorobenzene	0.0100	0.000176 U	0.01060	106	70-130	
Dichlorodifluoromethane	0.0100	0.000859 U	0.01187	119	10-150	
1,1-Dichloroethane	0.0100	0.000168 U	0.008666	87	70-140	
1,2-Dichloroethane	0.0100	0.000116 U	0.01076	108	67-134	
1,1-Dichloroethene	0.0100	0.000192 U	0.006878	69	58-148	
1,2-Dichloropropane	0.0100	0.000136 U	0.009365	94	70-130	
1,3-Dichloropropane	0.0100	0.000220 U	0.01064	106	70-130	
2,2-Dichloropropane	0.0100	0.000258 U	0.01026	103	64-149	
1,1-Dichloropropene	0.0100	0.000191 U	0.009359	94	70-137	
Ethylbenzene	0.0100	0.000212 U	0.01074	107	70-130	
Ethylene Dibromide	0.0100	0.000111 U	0.01073	107	67-130	
Hexachlorobutadiene	0.0100	0.000215 U	0.01245	125	55-150	
Isopropylbenzene	0.0100	0.000241 U	0.01084	108	65-132	
Methylene Chloride	0.0100	0.000176 U	0.005758	58	55-147	
Methyl tert-butyl ether	0.0100	0.000105 U	0.008803	88	56-132	
m-Xylene & p-Xylene	0.0100	0.000205 U	0.01140	114	70-130	
Naphthalene	0.0100	0.000973 J	0.01357	38	10-150	
n-Butylbenzene	0.0100	0.000212 U	0.01187	119	70-130	
N-Propylbenzene	0.0100	0.000230 U	0.01085	109	69-130	
o-Xylene	0.0100	0.000192 U	0.01128	113	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31510.D
 Lab ID: 600-121181-28 MS Client ID: ARTESIA-MW01-11042015 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
p-Isopropyltoluene	0.0100	0.000228 U	0.01154	115	70-130	
sec-Butylbenzene	0.0100	0.000375 J	0.01177	80	68-130	
Styrene	0.0100	0.000175 U	0.01115	111	70-130	
tert-Butylbenzene	0.0100	0.000216 U	0.01152	115	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.000178 U	0.01167	117	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.000197 U	0.009818	98	58-133	
Tetrachloroethene	0.0100	0.000333 U	0.01013	101	47-150	
Toluene	0.0100	0.000198 U	0.009786	98	70-130	
trans-1,2-Dichloroethene	0.0100	0.000192 U	0.008164	82	68-131	
trans-1,3-Dichloropropene	0.0100	0.000137 U	0.01169	117	60-130	
1,2,3-Trichlorobenzene	0.0100	0.000570 U	0.01200	120	10-150	
1,2,4-Trichlorobenzene	0.0100	0.000177 U	0.01208	121	46-150	
1,1,1-Trichloroethane	0.0100	0.000209 U	0.01038	104	70-136	
1,1,2-Trichloroethane	0.0100	0.000209 U	0.01118	112	70-130	
Trichloroethene	0.0100	0.000138 U	0.008958	90	70-130	
Trichlorofluoromethane	0.0100	0.000244 U	0.009106	91	43-150	
1,2,3-Trichloropropane	0.0100	0.000290 U	0.009852	99	48-136	
1,2,4-Trimethylbenzene	0.0100	0.000215 U	0.01142	114	70-130	
1,3,5-Trimethylbenzene	0.0100	0.000210 U	0.01125	112	69-130	
Vinyl chloride	0.0100	0.000248 U	0.007867	79	33-150	
Xylenes, Total	0.0200	0.000366 U	0.02268	113	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A31315.D
Lab ID: 600-121181-3 MSD Client ID: ARTESIA-MW32-11032015 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.009012	90	0	30	70-130	
Bromobenzene	0.0100	0.01074	107	3	30	70-130	
Bromochloromethane	0.0100	0.009212	92	1	30	58-130	
Bromodichloromethane	0.0100	0.01111	111	1	30	70-131	
Bromoform	0.0100	0.009819	98	4	30	54-133	
Bromomethane	0.0100	0.009772	98	5	30	25-150	
2-Butanone (MEK)	0.0200	0.01836	92	4	30	41-141	
Carbon tetrachloride	0.0100	0.01121	112	2	30	70-144	
Chlorobenzene	0.0100	0.01000	100	2	30	69-130	
Chlorodibromomethane	0.0100	0.01066	107	2	30	62-130	
Chloroethane	0.0100	0.008664	87	3	30	47-150	
2-Chloroethyl vinyl ether	0.0200	0.000500 U	0	NC	30	10-150	F1
Chloroform	0.0100	0.01048	105	3	30	70-130	
Chloromethane	0.0100	0.01110	111	1	30	10-150	
2-Chlorotoluene	0.0100	0.01086	109	1	30	70-130	
4-Chlorotoluene	0.0100	0.01141	114	1	30	70-130	
cis-1,2-Dichloroethene	0.0100	0.008839	88	1	30	68-130	
cis-1,3-Dichloropropene	0.0100	0.01016	102	2	30	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.009943	99	5	30	41-142	
Dibromomethane	0.0100	0.009740	97	2	30	70-130	
1,2-Dichlorobenzene	0.0100	0.01112	111	1	30	70-130	
1,3-Dichlorobenzene	0.0100	0.01100	110	1	30	70-130	
1,4-Dichlorobenzene	0.0100	0.01101	110	0	30	70-130	
Dichlorodifluoromethane	0.0100	0.01461	146	4	30	10-150	
1,1-Dichloroethane	0.0100	0.009453	91	0	30	70-140	
1,2-Dichloroethane	0.0100	0.01067	107	4	30	67-134	
1,1-Dichloroethene	0.0100	0.008278	74	0	30	58-148	
1,2-Dichloropropane	0.0100	0.009484	95	0	30	70-130	
1,3-Dichloropropane	0.0100	0.01025	102	3	30	70-130	
2,2-Dichloropropane	0.0100	0.01070	107	3	30	64-149	
1,1-Dichloropropene	0.0100	0.009566	96	0	30	70-137	
Ethylbenzene	0.0100	0.01056	106	1	30	70-130	
Ethylene Dibromide	0.0100	0.01001	100	0	30	67-130	
Hexachlorobutadiene	0.0100	0.01259	126	5	30	55-150	
Isopropylbenzene	0.0100	0.01107	111	1	30	65-132	
Methylene Chloride	0.0100	0.006128	61	1	30	55-147	
Methyl tert-butyl ether	0.0100	0.009064	91	0	30	56-132	
m-Xylene & p-Xylene	0.0100	0.01118	112	2	30	70-130	
Naphthalene	0.0100	0.01121	112	12	30	10-150	
n-Butylbenzene	0.0100	0.01225	123	0	30	70-130	
N-Propylbenzene	0.0100	0.01099	110	0	30	69-130	
o-Xylene	0.0100	0.01118	112	1	30	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31315.D
 Lab ID: 600-121181-3 MSD Client ID: ARTESIA-MW32-11032015 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01197	120	0	30	70-130	
sec-Butylbenzene	0.0100	0.01168	117	0	30	68-130	
Styrene	0.0100	0.007962	80	5	30	70-130	
tert-Butylbenzene	0.0100	0.01179	118	1	30	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01121	112	1	30	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.01032	103	1	30	58-133	
Tetrachloroethene	0.0100	0.01145	100	0	30	47-150	
Toluene	0.0100	0.009812	98	2	30	70-130	
trans-1,2-Dichloroethene	0.0100	0.008515	85	3	30	68-131	
trans-1,3-Dichloropropene	0.0100	0.01073	107	1	30	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01167	117	8	30	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01120	112	5	30	46-150	
1,1,1-Trichloroethane	0.0100	0.01080	108	1	30	70-136	
1,1,2-Trichloroethane	0.0100	0.01032	103	1	30	70-130	
Trichloroethene	0.0100	0.009423	91	1	30	70-130	
Trichlorofluoromethane	0.0100	0.01057	106	2	30	43-150	
1,2,3-Trichloropropane	0.0100	0.01017	102	6	30	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01163	116	0	30	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01148	115	1	30	69-130	
Vinyl chloride	0.0100	0.01005	101	5	30	33-150	
Xylenes, Total	0.0200	0.02236	112	1	30	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston

Job No.: 600-121181-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: A31511.D

Lab ID: 600-121181-28 MSD

Client ID: ARTESIA-MW01-11042015 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	0.0100	0.008151	82	6	30	70-130	
Bromobenzene	0.0100	0.01033	103	2	30	70-130	
Bromochloromethane	0.0100	0.009163	92	1	30	58-130	
Bromodichloromethane	0.0100	0.01044	104	6	30	70-131	
Bromoform	0.0100	0.009629	96	2	30	54-133	
Bromomethane	0.0100	0.007365	74	6	30	25-150	
2-Butanone (MEK)	0.0200	0.01838	92	6	30	41-141	
Carbon tetrachloride	0.0100	0.009790	98	9	30	70-144	
Chlorobenzene	0.0100	0.009896	99	4	30	69-130	
Chlorodibromomethane	0.0100	0.01093	109	4	30	62-130	
Chloroethane	0.0100	0.008351	84	10	30	47-150	
2-Chloroethyl vinyl ether	0.0200	0.000500 U	0	NC	30	10-150	F1
Chloroform	0.0100	0.009442	94	8	30	70-130	
Chloromethane	0.0100	0.009140	91	7	30	10-150	
2-Chlorotoluene	0.0100	0.01015	102	6	30	70-130	
4-Chlorotoluene	0.0100	0.01044	104	7	30	70-130	
cis-1,2-Dichloroethene	0.0100	0.007961	80	6	30	68-130	
cis-1,3-Dichloropropene	0.0100	0.009933	99	5	30	57-130	
1,2-Dibromo-3-Chloropropane	0.0100	0.01089	109	3	30	41-142	
Dibromomethane	0.0100	0.009336	93	6	30	70-130	
1,2-Dichlorobenzene	0.0100	0.01061	106	3	30	70-130	
1,3-Dichlorobenzene	0.0100	0.01018	102	4	30	70-130	
1,4-Dichlorobenzene	0.0100	0.01017	102	4	30	70-130	
Dichlorodifluoromethane	0.0100	0.01224	122	3	30	10-150	
1,1-Dichloroethane	0.0100	0.007987	80	8	30	70-140	
1,2-Dichloroethane	0.0100	0.009910	99	8	30	67-134	
1,1-Dichloroethene	0.0100	0.006603	66	4	30	58-148	
1,2-Dichloropropane	0.0100	0.008883	89	5	30	70-130	
1,3-Dichloropropane	0.0100	0.01033	103	3	30	70-130	
2,2-Dichloropropane	0.0100	0.009329	93	9	30	64-149	
1,1-Dichloropropene	0.0100	0.008585	86	9	30	70-137	
Ethylbenzene	0.0100	0.01031	103	4	30	70-130	
Ethylene Dibromide	0.0100	0.01084	108	1	30	67-130	
Hexachlorobutadiene	0.0100	0.01134	113	9	30	55-150	
Isopropylbenzene	0.0100	0.01014	101	7	30	65-132	
Methylene Chloride	0.0100	0.005437	54	6	30	55-147	F1
Methyl tert-butyl ether	0.0100	0.008680	87	1	30	56-132	
m-Xylene & p-Xylene	0.0100	0.01064	106	7	30	70-130	
Naphthalene	0.0100	0.01427	45	5	30	10-150	
n-Butylbenzene	0.0100	0.01087	109	9	30	70-130	
N-Propylbenzene	0.0100	0.01028	103	5	30	69-130	
o-Xylene	0.0100	0.01066	107	6	30	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A31511.D
 Lab ID: 600-121181-28 MSD Client ID: ARTESIA-MW01-11042015 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
p-Isopropyltoluene	0.0100	0.01070	107	8	30	70-130	
sec-Butylbenzene	0.0100	0.01091	72	8	30	68-130	
Styrene	0.0100	0.01075	108	4	30	70-130	
tert-Butylbenzene	0.0100	0.01076	108	7	30	70-130	
1,1,1,2-Tetrachloroethane	0.0100	0.01103	110	6	30	70-130	
1,1,2,2-Tetrachloroethane	0.0100	0.009734	97	1	30	58-133	
Tetrachloroethene	0.0100	0.009781	98	3	30	47-150	
Toluene	0.0100	0.009260	93	6	30	70-130	
trans-1,2-Dichloroethene	0.0100	0.007803	78	5	30	68-131	
trans-1,3-Dichloropropene	0.0100	0.01108	111	5	30	60-130	
1,2,3-Trichlorobenzene	0.0100	0.01244	124	4	30	10-150	
1,2,4-Trichlorobenzene	0.0100	0.01169	117	3	30	46-150	
1,1,1-Trichloroethane	0.0100	0.009525	95	9	30	70-136	
1,1,2-Trichloroethane	0.0100	0.01111	111	1	30	70-130	
Trichloroethene	0.0100	0.008572	86	4	30	70-130	
Trichlorofluoromethane	0.0100	0.009711	97	6	30	43-150	
1,2,3-Trichloropropane	0.0100	0.009663	97	2	30	48-136	
1,2,4-Trimethylbenzene	0.0100	0.01052	105	8	30	70-130	
1,3,5-Trimethylbenzene	0.0100	0.01036	104	8	30	69-130	
Vinyl chloride	0.0100	0.008866	89	12	30	33-150	
Xylenes, Total	0.0200	0.02130	107	6	30	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab File ID: A31305.D Lab Sample ID: MB 600-175890/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CHVOAMS07 Date Analyzed: 11/09/2015 12:23
 GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-175890/3	A31302.D	11/09/2015 11:06
	LCSD 600-175890/4	A31303.D	11/09/2015 11:32
ARTESIA-MW32-11032015	600-121181-3	A31308.D	11/09/2015 13:40
ARTESIA-MW32-11032015 MS	600-121181-3 MS	A31314.D	11/09/2015 16:14
ARTESIA-MW32-11032015 MSD	600-121181-3 MSD	A31315.D	11/09/2015 16:39
TRIP BLANK	600-121181-1	A31322.D	11/09/2015 19:37
ARTESIA-MW33-11032015	600-121181-2	A31323.D	11/09/2015 20:02
ARTESIA-MW26-11032015	600-121181-6	A31324.D	11/09/2015 20:28
ARTESIA-MW30-11032015	600-121181-7	A31325.D	11/09/2015 20:53
ARTESIA-HS29-11032015	600-121181-8	A31326.D	11/09/2015 21:19
ARTESIA-MW29-11032015	600-121181-9	A31327.D	11/09/2015 21:44

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Lab File ID: A31405.D Lab Sample ID: MB 600-176006/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CHVOAMS07 Date Analyzed: 11/10/2015 12:20
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-176006/3	A31402.D	11/10/2015 11:03
	LCSD 600-176006/4	A31403.D	11/10/2015 11:28
ARTESIA-MD03-11032015	600-121181-11	A31426.D	11/10/2015 21:35

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab File ID: A31505.D Lab Sample ID: MB 600-176120/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CHVOAMS07 Date Analyzed: 11/11/2015 11:20
 GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-176120/3	A31502.D	11/11/2015 10:03
	LCSD 600-176120/4	A31503.D	11/11/2015 10:28
ARTESIA-MW01-11042015	600-121181-28	A31506.D	11/11/2015 11:45
ARTESIA-MW01-11042015 MS	600-121181-28 MS	A31510.D	11/11/2015 13:29
ARTESIA-MW01-11042015 MSD	600-121181-28 MSD	A31511.D	11/11/2015 13:55
ARTESIA-INLET-11042015	600-121181-15	A31517.D	11/11/2015 16:31
ARTESIA-MW25-11042015	600-121181-16	A31518.D	11/11/2015 16:57
ARTESIA-MD02-11042015	600-121181-17	A31519.D	11/11/2015 17:23
ARTESIA-MW22-11042015	600-121181-18	A31520.D	11/11/2015 17:49
ARTESIA-HS31-11042015	600-121181-19	A31521.D	11/11/2015 18:15
ARTESIA-MW31-11042015	600-121181-20	A31522.D	11/11/2015 18:40
ARTESIA-MW21-11042015	600-121181-21	A31523.D	11/11/2015 19:06
ARTESIA-MW20-11042015	600-121181-22	A31524.D	11/11/2015 19:32
ARTESIA-MW11-11042015	600-121181-23	A31525.D	11/11/2015 19:57
ARTESIA-MW08-11042015	600-121181-24	A31526.D	11/11/2015 20:23

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Lab File ID: A31605.D Lab Sample ID: MB 600-176238/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CHVOAMS07 Date Analyzed: 11/12/2015 12:43
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-176238/3	A31602A.D	11/12/2015 13:09
	LCSD 600-176238/4	A31603A.D	11/12/2015 13:34
ARTESIA-MW28-11032015	600-121181-10	A31607.D	11/12/2015 14:25
ARTESIA-MW34-11032015	600-121181-12	A31608.D	11/12/2015 14:50
ARTESIA-OUTLET-11042015	600-121181-13	A31609.D	11/12/2015 15:16
ARTESIA-MID-11042015	600-121181-14	A31610.D	11/12/2015 15:41
ARTESIA-MD01-11042015	600-121181-25	A31611.D	11/12/2015 16:07
ARTESIA-MW18-11042015	600-121181-26	A31612.D	11/12/2015 16:32
ARTESIA-MW07-11042015	600-121181-27	A31613.D	11/12/2015 16:57
ARTESIA-MW17C-11042015	600-121181-31	A31614.D	11/12/2015 17:23
ARTESIA-MW15-11042015	600-121181-34	A31615.D	11/12/2015 17:49

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Lab File ID: A31705.D Lab Sample ID: MB 600-176357/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CHVOAMS07 Date Analyzed: 11/13/2015 11:16
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-176357/3	A31702.D	11/13/2015 10:00
	LCSD 600-176357/4	A31703.D	11/13/2015 10:25
ARTESIA-HS12-11042015	600-121181-32	A31706.D	11/13/2015 11:42
ARTESIA-MW12-11042015	600-121181-33	A31708.D	11/13/2015 12:33
ARTESIA-MW12-11042015 DL	600-121181-33 DL	A31709.D	11/13/2015 12:58
ARTESIA-HS12-11042015 DL	600-121181-32 DL	A31725.D	11/13/2015 19:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab File ID: A29900.D BFB Injection Date: 10/26/2015
 Instrument ID: CHVOAMS07 BFB Injection Time: 10:57
 Analysis Batch No.: 174792

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.5
75	30.0 - 60.0 % of mass 95	43.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.4 (0.6)1
174	50.0 - 120.00 % of mass 95	78.7
175	5.0 - 9.0 % of mass 174	5.5 (7.0)1
176	95.0 - 101.0 % of mass 174	77.0 (97.8)1
177	5.0 - 9.0 % of mass 176	4.9 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-174792/2	A29901.D	10/26/2015	11:27
	IC 600-174792/3	A29902.D	10/26/2015	11:52
	IC 600-174792/4	A29903.D	10/26/2015	12:18
	IC 600-174792/5	A29904.D	10/26/2015	12:43
	ICIS 600-174792/6	A29905.D	10/26/2015	13:09
	IC 600-174792/7	A29906.D	10/26/2015	13:34
	IC 600-174792/8	A29907.D	10/26/2015	14:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Lab File ID: A31300B.D BFB Injection Date: 11/09/2015
Instrument ID: CHVOAMS07 BFB Injection Time: 09:47
Analysis Batch No.: 175890

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.8
75	30.0 - 60.0 % of mass 95	48.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.4 (0.5)1
174	50.0 - 120.00 % of mass 95	79.7
175	5.0 - 9.0 % of mass 174	5.5 (7.0)1
176	95.0 - 101.0 % of mass 174	76.4 (95.8)1
177	5.0 - 9.0 % of mass 176	4.5 (5.9)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-175890/2	A31301.D	11/09/2015	10:19
	LCS 600-175890/3	A31302.D	11/09/2015	11:06
	LCSD 600-175890/4	A31303.D	11/09/2015	11:32
	MB 600-175890/6	A31305.D	11/09/2015	12:23
ARTESIA-MW32-11032015	600-121181-3	A31308.D	11/09/2015	13:40
ARTESIA-MW32-11032015 MS	600-121181-3 MS	A31314.D	11/09/2015	16:14
ARTESIA-MW32-11032015 MSD	600-121181-3 MSD	A31315.D	11/09/2015	16:39
TRIP BLANK	600-121181-1	A31322.D	11/09/2015	19:37
ARTESIA-MW33-11032015	600-121181-2	A31323.D	11/09/2015	20:02
ARTESIA-MW26-11032015	600-121181-6	A31324.D	11/09/2015	20:28
ARTESIA-MW30-11032015	600-121181-7	A31325.D	11/09/2015	20:53
ARTESIA-HS29-11032015	600-121181-8	A31326.D	11/09/2015	21:19
ARTESIA-MW29-11032015	600-121181-9	A31327.D	11/09/2015	21:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab File ID: A31400B.D BFB Injection Date: 11/10/2015
 Instrument ID: CHVOAMS07 BFB Injection Time: 09:44
 Analysis Batch No.: 176006

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.3
75	30.0 - 60.0 % of mass 95	46.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.3
173	Less than 2.0 % of mass 174	0.6 (0.7)1
174	50.0 - 120.00 % of mass 95	83.4
175	5.0 - 9.0 % of mass 174	5.7 (6.9)1
176	95.0 - 101.0 % of mass 174	80.3 (96.3)1
177	5.0 - 9.0 % of mass 176	5.2 (6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-176006/2	A31401.D	11/10/2015	10:12
	LCS 600-176006/3	A31402.D	11/10/2015	11:03
	LCSD 600-176006/4	A31403.D	11/10/2015	11:28
	MB 600-176006/6	A31405.D	11/10/2015	12:20
ARTESIA-MD03-11032015	600-121181-11	A31426.D	11/10/2015	21:35

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-121181-1
SDG No.: _____
Lab File ID: A31450.D BFB Injection Date: 11/11/2015
Instrument ID: CHVOAMS07 BFB Injection Time: 08:44
Analysis Batch No.: 176120

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.1
75	30.0 - 60.0 % of mass 95	45.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.5 (0.6)1
174	50.0 - 120.00 % of mass 95	85.6
175	5.0 - 9.0 % of mass 174	6.0 (7.0)1
176	95.0 - 101.0 % of mass 174	81.9 (95.7)1
177	5.0 - 9.0 % of mass 176	5.5 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-176120/2	A31501.D	11/11/2015	09:22
	LCS 600-176120/3	A31502.D	11/11/2015	10:03
	LCSD 600-176120/4	A31503.D	11/11/2015	10:28
	MB 600-176120/6	A31505.D	11/11/2015	11:20
ARTESIA-MW01-11042015	600-121181-28	A31506.D	11/11/2015	11:45
ARTESIA-MW01-11042015 MS	600-121181-28 MS	A31510.D	11/11/2015	13:29
ARTESIA-MW01-11042015 MSD	600-121181-28 MSD	A31511.D	11/11/2015	13:55
ARTESIA-INLET-11042015	600-121181-15	A31517.D	11/11/2015	16:31
ARTESIA-MW25-11042015	600-121181-16	A31518.D	11/11/2015	16:57
ARTESIA-MD02-11042015	600-121181-17	A31519.D	11/11/2015	17:23
ARTESIA-MW22-11042015	600-121181-18	A31520.D	11/11/2015	17:49
ARTESIA-HS31-11042015	600-121181-19	A31521.D	11/11/2015	18:15
ARTESIA-MW31-11042015	600-121181-20	A31522.D	11/11/2015	18:40
ARTESIA-MW21-11042015	600-121181-21	A31523.D	11/11/2015	19:06
ARTESIA-MW20-11042015	600-121181-22	A31524.D	11/11/2015	19:32
ARTESIA-MW11-11042015	600-121181-23	A31525.D	11/11/2015	19:57
ARTESIA-MW08-11042015	600-121181-24	A31526.D	11/11/2015	20:23

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab File ID: A31600A.D BFB Injection Date: 11/12/2015
 Instrument ID: CHVOAMS07 BFB Injection Time: 09:51
 Analysis Batch No.: 176238

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.7
75	30.0 - 60.0 % of mass 95	47.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.5 (0.6)1
174	50.0 - 120.00 % of mass 95	83.9
175	5.0 - 9.0 % of mass 174	5.9 (7.1)1
176	95.0 - 101.0 % of mass 174	81.0 (96.5)1
177	5.0 - 9.0 % of mass 176	5.5 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-176238/2	A31601A.D	11/12/2015	10:43
	MB 600-176238/6	A31605.D	11/12/2015	12:43
	LCS 600-176238/3	A31602A.D	11/12/2015	13:09
	LCSD 600-176238/4	A31603A.D	11/12/2015	13:34
ARTESIA-MW28-11032015	600-121181-10	A31607.D	11/12/2015	14:25
ARTESIA-MW34-11032015	600-121181-12	A31608.D	11/12/2015	14:50
ARTESIA-OUTLET-11042015	600-121181-13	A31609.D	11/12/2015	15:16
ARTESIA-MID-11042015	600-121181-14	A31610.D	11/12/2015	15:41
ARTESIA-MD01-11042015	600-121181-25	A31611.D	11/12/2015	16:07
ARTESIA-MW18-11042015	600-121181-26	A31612.D	11/12/2015	16:32
ARTESIA-MW07-11042015	600-121181-27	A31613.D	11/12/2015	16:57
ARTESIA-MW17C-11042015	600-121181-31	A31614.D	11/12/2015	17:23
ARTESIA-MW15-11042015	600-121181-34	A31615.D	11/12/2015	17:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab File ID: A31700.D BFB Injection Date: 11/13/2015
 Instrument ID: CHVOAMS07 BFB Injection Time: 08:41
 Analysis Batch No.: 176357

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.1
75	30.0 - 60.0 % of mass 95	48.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.6 (0.7)1
174	50.0 - 120.00 % of mass 95	78.8
175	5.0 - 9.0 % of mass 174	5.6 (7.1)1
176	95.0 - 101.0 % of mass 174	76.4 (97.0)1
177	5.0 - 9.0 % of mass 176	5.1 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-176357/2	A31701.D	11/13/2015	09:14
	LCS 600-176357/3	A31702.D	11/13/2015	10:00
	LCSD 600-176357/4	A31703.D	11/13/2015	10:25
	MB 600-176357/6	A31705.D	11/13/2015	11:16
ARTESIA-HS12-11042015	600-121181-32	A31706.D	11/13/2015	11:42
ARTESIA-MW12-11042015	600-121181-33	A31708.D	11/13/2015	12:33
ARTESIA-MW12-11042015 DL	600-121181-33 DL	A31709.D	11/13/2015	12:58
ARTESIA-HS12-11042015 DL	600-121181-32 DL	A31725.D	11/13/2015	19:46

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Sample No.: CCVIS 600-175890/2 Date Analyzed: 11/09/2015 10:19
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A31301.D Heated Purge: (Y/N) N
 Calibration ID: 7929

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		342395	8.64	100875	11.64	99484	14.23
UPPER LIMIT		684790	9.14	201750	12.14	198968	14.73
LOWER LIMIT		171198	8.14	50438	11.14	49742	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-175890/3		370090	8.64	108577	11.64	109130	14.23
LCSD 600-175890/4		387783	8.64	116017	11.64	116031	14.23
MB 600-175890/6		354075	8.64	101298	11.64	85207	14.23
600-121181-3	ARTESIA-MW32-11032015	328099	8.64	96571	11.64	77641	14.23
600-121181-3 MS	ARTESIA-MW32-11032015 MS	347527	8.64	105759	11.64	108481	14.23
600-121181-3 MSD	ARTESIA-MW32-11032015 MSD	366877	8.64	112186	11.64	111155	14.23
600-121181-1	TRIP BLANK	329028	8.64	92726	11.64	75149	14.23
600-121181-2	ARTESIA-MW33-11032015	335632	8.64	97858	11.64	77909	14.23
600-121181-6	ARTESIA-MW26-11032015	324152	8.64	93897	11.64	77246	14.23
600-121181-7	ARTESIA-MW30-11032015	321299	8.64	98871	11.64	79897	14.23
600-121181-8	ARTESIA-HS29-11032015	315802	8.64	94643	11.64	77199	14.23
600-121181-9	ARTESIA-MW29-11032015	317848	8.64	95012	11.64	75741	14.23

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Sample No.: CCVIS 600-176006/2 Date Analyzed: 11/10/2015 10:12
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A31401.D Heated Purge: (Y/N) N
 Calibration ID: 7929

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	332577	8.64	98529	11.64	99901	14.23	
UPPER LIMIT	665154	9.14	197058	12.14	199802	14.73	
LOWER LIMIT	166289	8.14	49265	11.14	49951	13.73	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-176006/3		369240	8.64	105347	11.64	104125	14.23
LCSD 600-176006/4		382681	8.64	112528	11.64	116470	14.23
MB 600-176006/6		348827	8.64	96252	11.65	81001	14.23
600-121181-11	ARTESIA-MD03-11032015	316952	8.64	93630	11.64	74442	14.23

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Sample No.: CCVIS 600-176120/2 Date Analyzed: 11/11/2015 09:22
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A31501.D Heated Purge: (Y/N) N
 Calibration ID: 7929

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		424874	8.64	124387	11.64	122365	14.23
UPPER LIMIT		849748	9.14	248774	12.14	244730	14.73
LOWER LIMIT		212437	8.14	62194	11.14	61183	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-176120/3		447813	8.64	131008	11.64	131544	14.23
LCSD 600-176120/4		458041	8.64	137643	11.64	135933	14.23
MB 600-176120/6		407298	8.64	116212	11.64	98134	14.23
600-121181-28	ARTESIA-MW01-11042015	420170	8.64	124929	11.65	109637	14.23
600-121181-28 MS	ARTESIA-MW01-11042015 MS	451850	8.64	139567	11.65	145290	14.23
600-121181-28 MSD	ARTESIA-MW01-11042015 MSD	521776	8.64	159654	11.64	164855	14.23
600-121181-15	ARTESIA-INLET-1104201 5	424706	8.64	125154	11.64	111305	14.23
600-121181-16	ARTESIA-MW25-11042015	422936	8.64	124795	11.65	107493	14.23
600-121181-17	ARTESIA-MD02-11042015	418337	8.64	123312	11.65	104770	14.23
600-121181-18	ARTESIA-MW22-11042015	416154	8.64	122430	11.64	106432	14.23
600-121181-19	ARTESIA-HS31-11042015	405674	8.64	121348	11.64	100717	14.23
600-121181-20	ARTESIA-MW31-11042015	396357	8.64	117087	11.65	98475	14.23
600-121181-21	ARTESIA-MW21-11042015	384339	8.64	113293	11.64	96576	14.23
600-121181-22	ARTESIA-MW20-11042015	389795	8.64	113227	11.65	94395	14.23
600-121181-23	ARTESIA-MW11-11042015	381389	8.64	112728	11.65	94824	14.23
600-121181-24	ARTESIA-MW08-11042015	380375	8.64	111502	11.64	95035	14.23

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Sample No.: CCVIS 600-176238/2 Date Analyzed: 11/12/2015 10:43
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A31601A.D Heated Purge: (Y/N) N
 Calibration ID: 7929

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		326274	8.64	97047	11.64	95991	14.23
UPPER LIMIT		652548	9.14	194094	12.14	191982	14.73
LOWER LIMIT		163137	8.14	48524	11.14	47996	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-176238/6		327695	8.64	95343	11.64	80119	14.23
LCS 600-176238/3		338491	8.64	101931	11.64	101187	14.23
LCSD 600-176238/4		358315	8.64	108091	11.64	106654	14.23
600-121181-10	ARTESIA-MW28-11032015	325809	8.64	92212	11.64	74783	14.23
600-121181-12	ARTESIA-MW34-11032015	323611	8.64	93543	11.64	76903	14.23
600-121181-13	ARTESIA-OUTLET-11042015	319045	8.64	87562	11.64	76046	14.23
600-121181-14	ARTESIA-MID-11042015	313914	8.64	92268	11.64	79594	14.23
600-121181-25	ARTESIA-MD01-11042015	316708	8.64	91114	11.64	79380	14.23
600-121181-26	ARTESIA-MW18-11042015	310691	8.64	92977	11.64	79460	14.23
600-121181-27	ARTESIA-MW07-11042015	307867	8.64	90943	11.64	77372	14.23
600-121181-31	ARTESIA-MW17C-11042015	310217	8.64	89561	11.64	73757	14.23
600-121181-34	ARTESIA-MW15-11042015	318789	8.64	95431	11.65	80793	14.23

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Sample No.: CCVIS 600-176357/2 Date Analyzed: 11/13/2015 09:14
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A31701.D Heated Purge: (Y/N) N
 Calibration ID: 7929

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		379768	8.64	114110	11.64	116139	14.23
UPPER LIMIT		759536	9.14	228220	12.14	232278	14.73
LOWER LIMIT		189884	8.14	57055	11.14	58070	13.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-176357/3		427465	8.64	126068	11.64	128253	14.23
LCSD 600-176357/4		431749	8.64	131404	11.64	129267	14.23
MB 600-176357/6		388314	8.64	112339	11.64	97517	14.23
600-121181-32	ARTESIA-HS12-11042015	388629	8.64	106308	11.64	129531	14.23
600-121181-33	ARTESIA-MW12-11042015	437594	8.64	117539	11.64	129401	14.23
600-121181-33 DL	ARTESIA-MW12-11042015 DL	453896	8.64	127050	11.64	125748	14.23
600-121181-32 DL	ARTESIA-HS12-11042015 DL	369241	8.64	106922	11.64	104844	14.23

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 600-121181-1
 Matrix: Water Lab File ID: A31322.D
 Analysis Method: 8260B Date Collected: 11/03/2015 00:00
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 19:37
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>TRIP BLANK</u>	Lab Sample ID: <u>600-121181-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31322.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 00:00</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 19:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	113		67-139
1868-53-7	Dibromofluoromethane	101		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		50-134
2037-26-5	Toluene-d8 (Surr)	115		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW33-11032015 Lab Sample ID: 600-121181-2
 Matrix: Water Lab File ID: A31323.D
 Analysis Method: 8260B Date Collected: 11/03/2015 12:45
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 20:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW33-11032015 Lab Sample ID: 600-121181-2
 Matrix: Water Lab File ID: A31323.D
 Analysis Method: 8260B Date Collected: 11/03/2015 12:45
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 20:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	111		67-139
1868-53-7	Dibromofluoromethane	104		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MW32-11032015 Lab Sample ID: 600-121181-3

Matrix: Water Lab File ID: A31308.D

Analysis Method: 8260B Date Collected: 11/03/2015 13:20

Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 13:40

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U F1	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000315	J	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000842	J	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW32-11032015</u>	Lab Sample ID: <u>600-121181-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31308.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 13:20</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 13:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00144		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000360	J	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134
2037-26-5	Toluene-d8 (Surr)	109		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW26-11032015</u>	Lab Sample ID: <u>600-121181-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31324.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 14:10</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 20:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000178	J	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000810	J	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW26-11032015</u>	Lab Sample ID: <u>600-121181-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31324.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 14:10</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 20:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000708	J	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000334	J	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	111		67-139
1868-53-7	Dibromofluoromethane	103		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW30-11032015</u>	Lab Sample ID: <u>600-121181-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31325.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 14:52</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 20:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00391		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00654		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW30-11032015</u>	Lab Sample ID: <u>600-121181-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31325.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 14:52</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 20:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.0132		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00207		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	107		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		50-134
2037-26-5	Toluene-d8 (Surr)	108		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-HS29-11032015</u>	Lab Sample ID: <u>600-121181-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31326.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 15:18</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 21:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000558	J	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00732		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.0196		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-HS29-11032015</u>	Lab Sample ID: <u>600-121181-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31326.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 15:18</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 21:19</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.00125		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.0170		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00627		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	107		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		50-134
2037-26-5	Toluene-d8 (Surr)	108		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW29-11032015</u>	Lab Sample ID: <u>600-121181-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31327.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 15:50</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 21:44</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000494	J	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00655		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.0196		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW29-11032015</u>	Lab Sample ID: <u>600-121181-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31327.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 15:50</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/09/2015 21:44</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>175890</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.00111		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.0135		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00586		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	110		67-139
1868-53-7	Dibromofluoromethane	106		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		50-134
2037-26-5	Toluene-d8 (Surr)	109		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW28-11032015</u>	Lab Sample ID: <u>600-121181-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31607.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/03/2015 16:30</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 14:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000334	J	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00626		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.0155		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW28-11032015 Lab Sample ID: 600-121181-10
 Matrix: Water Lab File ID: A31607.D
 Analysis Method: 8260B Date Collected: 11/03/2015 16:30
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 14:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000425	J	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000200	J B	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.0183		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00506		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	100		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-134
2037-26-5	Toluene-d8 (Surr)	113		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MD03-11032015 Lab Sample ID: 600-121181-11
 Matrix: Water Lab File ID: A31426.D
 Analysis Method: 8260B Date Collected: 11/03/2015 17:00
 Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 21:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00206		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00502		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MD03-11032015 Lab Sample ID: 600-121181-11
 Matrix: Water Lab File ID: A31426.D
 Analysis Method: 8260B Date Collected: 11/03/2015 17:00
 Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 21:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00475		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00129		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	111		67-139
1868-53-7	Dibromofluoromethane	106		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-11032015 Lab Sample ID: 600-121181-12
 Matrix: Water Lab File ID: A31608.D
 Analysis Method: 8260B Date Collected: 11/03/2015 17:10
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 14:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00210		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00541		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW34-11032015 Lab Sample ID: 600-121181-12
 Matrix: Water Lab File ID: A31608.D
 Analysis Method: 8260B Date Collected: 11/03/2015 17:10
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 14:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00516		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00140		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-OUTLET-11042015</u>	Lab Sample ID: <u>600-121181-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31609.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 07:23</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 15:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000301	J	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-OUTLET-11042015</u>	Lab Sample ID: <u>600-121181-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31609.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 07:23</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 15:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	110		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		50-134
2037-26-5	Toluene-d8 (Surr)	115		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MID-11042015</u>	Lab Sample ID: <u>600-121181-14</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31610.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 07:26</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 15:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00173		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MID-11042015 Lab Sample ID: 600-121181-14
 Matrix: Water Lab File ID: A31610.D
 Analysis Method: 8260B Date Collected: 11/04/2015 07:26
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 15:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000209	J	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	105		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-INLET-11042015 Lab Sample ID: 600-121181-15

Matrix: Water Lab File ID: A31517.D

Analysis Method: 8260B Date Collected: 11/04/2015 07:30

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 16:31

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000218	J	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00509		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.0177		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000592	J	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-INLET-11042015</u>	Lab Sample ID: <u>600-121181-15</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31517.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 07:30</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 16:31</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000266	J	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000182	J	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.0182		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00472		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	105		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	109		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW25-11042015</u>	Lab Sample ID: <u>600-121181-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31518.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 08:25</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 16:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00133		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00441		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW25-11042015</u>	Lab Sample ID: <u>600-121181-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31518.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 08:25</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 16:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00503		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00103		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	104		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MD02-11042015 Lab Sample ID: 600-121181-17

Matrix: Water Lab File ID: A31519.D

Analysis Method: 8260B Date Collected: 11/04/2015 09:00

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 17:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00141		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00468		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MD02-11042015</u>	Lab Sample ID: <u>600-121181-17</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31519.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 09:00</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 17:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00515		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00103		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		50-134
2037-26-5	Toluene-d8 (Surr)	109		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW22-11042015</u>	Lab Sample ID: <u>600-121181-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31520.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 09:17</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 17:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00142		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00366		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW22-11042015</u>	Lab Sample ID: <u>600-121181-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31520.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 09:17</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 17:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00401		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000914	J	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		67-139
1868-53-7	Dibromofluoromethane	106		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	109		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-HS31-11042015</u>	Lab Sample ID: <u>600-121181-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31521.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 09:47</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 18:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-HS31-11042015</u>	Lab Sample ID: <u>600-121181-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31521.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 09:47</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 18:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		50-134
2037-26-5	Toluene-d8 (Surr)	107		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW31-11042015</u>	Lab Sample ID: <u>600-121181-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31522.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 10:18</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 18:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW31-11042015</u>	Lab Sample ID: <u>600-121181-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31522.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 10:18</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 18:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	104		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW21-11042015 Lab Sample ID: 600-121181-21
 Matrix: Water Lab File ID: A31523.D
 Analysis Method: 8260B Date Collected: 11/04/2015 10:54
 Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 19:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW21-11042015</u>	Lab Sample ID: <u>600-121181-21</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31523.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 10:54</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 19:06</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	103		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW20-11042015 Lab Sample ID: 600-121181-22
 Matrix: Water Lab File ID: A31524.D
 Analysis Method: 8260B Date Collected: 11/04/2015 11:21
 Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 19:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.00220		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00943		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00162		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW20-11042015</u>	Lab Sample ID: <u>600-121181-22</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31524.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 11:21</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 19:32</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.00136		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00184		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00258		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000255	J	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	108		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW11-11042015</u>	Lab Sample ID: <u>600-121181-23</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31525.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 11:52</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 19:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00427		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000297	J	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW11-11042015</u>	Lab Sample ID: <u>600-121181-23</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31525.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 11:52</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 19:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000169	J	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000481	J	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00108		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	110		67-139
1868-53-7	Dibromofluoromethane	106		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	109		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MW08-11042015 Lab Sample ID: 600-121181-24

Matrix: Water Lab File ID: A31526.D

Analysis Method: 8260B Date Collected: 11/04/2015 12:24

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 20:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000287	J	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.00361		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.00409		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000829	J	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW08-11042015</u>	Lab Sample ID: <u>600-121181-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31526.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 12:24</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 20:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000241	J	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000831	J	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.00192		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	104		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MD01-11042015 Lab Sample ID: 600-121181-25
 Matrix: Water Lab File ID: A31611.D
 Analysis Method: 8260B Date Collected: 11/04/2015 12:30
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 16:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000339	J	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00130		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MD01-11042015 Lab Sample ID: 600-121181-25

Matrix: Water Lab File ID: A31611.D

Analysis Method: 8260B Date Collected: 11/04/2015 12:30

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 16:07

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00151		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000296	J	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		50-134
2037-26-5	Toluene-d8 (Surr)	113		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-11042015 Lab Sample ID: 600-121181-26

Matrix: Water Lab File ID: A31612.D

Analysis Method: 8260B Date Collected: 11/04/2015 12:57

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 16:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000346	J	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.00138		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW18-11042015</u>	Lab Sample ID: <u>600-121181-26</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31612.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 12:57</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 16:32</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.00144		0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000333	J	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	105		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		50-134
2037-26-5	Toluene-d8 (Surr)	108		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MW07-11042015 Lab Sample ID: 600-121181-27

Matrix: Water Lab File ID: A31613.D

Analysis Method: 8260B Date Collected: 11/04/2015 13:30

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 16:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000189	J	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000292	J	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW07-11042015</u>	Lab Sample ID: <u>600-121181-27</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31613.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 13:30</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 16:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000646	J	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	104		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		50-134
2037-26-5	Toluene-d8 (Surr)	108		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW01-11042015</u>	Lab Sample ID: <u>600-121181-28</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31506.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 14:05</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 11:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U F1	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U F1	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW01-11042015</u>	Lab Sample ID: <u>600-121181-28</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31506.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 14:05</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 11:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000973	J	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000375	J	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	101		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW17C-11042015</u>	Lab Sample ID: <u>600-121181-31</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31614.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 15:00</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 17:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000299	J	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW17C-11042015</u>	Lab Sample ID: <u>600-121181-31</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31614.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 15:00</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 17:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000282	J	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	102		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-HS12-11042015</u>	Lab Sample ID: <u>600-121181-32</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31706.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 15:15</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/13/2015 11:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176357</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.0464		0.0100	0.00176
108-86-1	Bromobenzene	0.00195	U	0.0100	0.00195
74-97-5	Bromochloromethane	0.00162	U	0.0100	0.00162
75-27-4	Bromodichloromethane	0.00153	U	0.0100	0.00153
75-25-2	Bromoform	0.00151	U	0.0100	0.00151
74-83-9	Bromomethane	0.00250	U	0.0200	0.00250
78-93-3	2-Butanone (MEK)	0.00760	U	0.0200	0.00760
56-23-5	Carbon tetrachloride	0.00183	U	0.0100	0.00183
108-90-7	Chlorobenzene	0.00185	U	0.0100	0.00185
124-48-1	Chlorodibromomethane	0.00119	U	0.0100	0.00119
75-00-3	Chloroethane	0.00240	U	0.0200	0.00240
110-75-8	2-Chloroethyl vinyl ether	0.00500	U	0.0200	0.00500
67-66-3	Chloroform	0.00151	U	0.0100	0.00151
74-87-3	Chloromethane	0.00209	U	0.0200	0.00209
95-49-8	2-Chlorotoluene	0.00226	U	0.0100	0.00226
106-43-4	4-Chlorotoluene	0.00210	U	0.0100	0.00210
156-59-2	cis-1,2-Dichloroethene	0.181		0.0100	0.00157
10061-01-5	cis-1,3-Dichloropropene	0.00160	U	0.0100	0.00160
96-12-8	1,2-Dibromo-3-Chloropropane	0.00810	U	0.0100	0.00810
74-95-3	Dibromomethane	0.00520	U	0.0100	0.00520
95-50-1	1,2-Dichlorobenzene	0.00153	U	0.0100	0.00153
541-73-1	1,3-Dichlorobenzene	0.00210	U	0.0100	0.00210
106-46-7	1,4-Dichlorobenzene	0.00176	U	0.0100	0.00176
75-71-8	Dichlorodifluoromethane	0.00859	U	0.0100	0.00859
75-34-3	1,1-Dichloroethane	0.0822		0.0100	0.00168
107-06-2	1,2-Dichloroethane	0.00116	U	0.0100	0.00116
75-35-4	1,1-Dichloroethene	0.00440	J	0.0100	0.00192
78-87-5	1,2-Dichloropropane	0.00136	U	0.0100	0.00136
142-28-9	1,3-Dichloropropane	0.00220	U	0.0100	0.00220
594-20-7	2,2-Dichloropropane	0.00258	U	0.0100	0.00258
563-58-6	1,1-Dichloropropene	0.00191	U	0.0100	0.00191
106-93-4	Ethylene Dibromide	0.00111	U	0.0100	0.00111
87-68-3	Hexachlorobutadiene	0.00215	U	0.0100	0.00215
98-82-8	Isopropylbenzene	0.427		0.0100	0.00241
75-09-2	Methylene Chloride	0.00176	U	0.0500	0.00176
1634-04-4	Methyl tert-butyl ether	0.00105	U	0.0100	0.00105

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-HS12-11042015</u>	Lab Sample ID: <u>600-121181-32</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31706.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 15:15</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/13/2015 11:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176357</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.494	B	0.0200	0.00129
104-51-8	n-Butylbenzene	0.0149		0.0100	0.00212
99-87-6	p-Isopropyltoluene	0.00496	J	0.0100	0.00228
135-98-8	sec-Butylbenzene	0.0112		0.0100	0.00224
100-42-5	Styrene	0.00175	U	0.0100	0.00175
98-06-6	tert-Butylbenzene	0.00216	U	0.0100	0.00216
630-20-6	1,1,1,2-Tetrachloroethane	0.00178	U	0.0100	0.00178
79-34-5	1,1,2,2-Tetrachloroethane	0.00197	U	0.0100	0.00197
127-18-4	Tetrachloroethene	0.00429	J	0.0100	0.00333
108-88-3	Toluene	0.00198	U	0.0100	0.00198
156-60-5	trans-1,2-Dichloroethene	0.00192	U	0.0100	0.00192
10061-02-6	trans-1,3-Dichloropropene	0.00137	U	0.0100	0.00137
87-61-6	1,2,3-Trichlorobenzene	0.00570	U	0.0100	0.00570
120-82-1	1,2,4-Trichlorobenzene	0.00177	U	0.0100	0.00177
71-55-6	1,1,1-Trichloroethane	0.00209	U	0.0100	0.00209
79-00-5	1,1,2-Trichloroethane	0.00209	U	0.0100	0.00209
79-01-6	Trichloroethene	0.00324	J	0.0100	0.00138
75-69-4	Trichlorofluoromethane	0.00244	U	0.0100	0.00244
96-18-4	1,2,3-Trichloropropane	0.00290	U	0.0100	0.00290
108-67-8	1,3,5-Trimethylbenzene	0.0526		0.0100	0.00210
75-01-4	Vinyl chloride	0.00248	U	0.0100	0.00248

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		67-139
1868-53-7	Dibromofluoromethane	105		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-HS12-11042015 DL Lab Sample ID: 600-121181-32 DL
 Matrix: Water Lab File ID: A31725.D
 Analysis Method: 8260B Date Collected: 11/04/2015 15:15
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 19:46
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.529		0.100	0.0212
179601-23-1	m-Xylene & p-Xylene	0.500		0.100	0.0205
103-65-1	N-Propylbenzene	0.451		0.100	0.0230
95-47-6	o-Xylene	0.0192	U	0.100	0.0192
95-63-6	1,2,4-Trimethylbenzene	2.99		0.100	0.0215
1330-20-7	Xylenes, Total	0.500		0.200	0.0366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	106		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-11042015 Lab Sample ID: 600-121181-33

Matrix: Water Lab File ID: A31708.D

Analysis Method: 8260B Date Collected: 11/04/2015 15:37

Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 12:33

Soil Aliquot Vol: _____ Dilution Factor: 10

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.0230		0.0100	0.00176
108-86-1	Bromobenzene	0.00195	U	0.0100	0.00195
74-97-5	Bromochloromethane	0.00162	U	0.0100	0.00162
75-27-4	Bromodichloromethane	0.00153	U	0.0100	0.00153
75-25-2	Bromoform	0.00151	U	0.0100	0.00151
74-83-9	Bromomethane	0.00250	U	0.0200	0.00250
78-93-3	2-Butanone (MEK)	0.00760	U	0.0200	0.00760
56-23-5	Carbon tetrachloride	0.00183	U	0.0100	0.00183
108-90-7	Chlorobenzene	0.00185	U	0.0100	0.00185
124-48-1	Chlorodibromomethane	0.00119	U	0.0100	0.00119
75-00-3	Chloroethane	0.00240	U	0.0200	0.00240
110-75-8	2-Chloroethyl vinyl ether	0.00500	U	0.0200	0.00500
67-66-3	Chloroform	0.00151	U	0.0100	0.00151
74-87-3	Chloromethane	0.00209	U	0.0200	0.00209
95-49-8	2-Chlorotoluene	0.00226	U	0.0100	0.00226
106-43-4	4-Chlorotoluene	0.00210	U	0.0100	0.00210
156-59-2	cis-1,2-Dichloroethene	0.0936		0.0100	0.00157
10061-01-5	cis-1,3-Dichloropropene	0.00160	U	0.0100	0.00160
96-12-8	1,2-Dibromo-3-Chloropropane	0.00810	U	0.0100	0.00810
74-95-3	Dibromomethane	0.00520	U	0.0100	0.00520
95-50-1	1,2-Dichlorobenzene	0.00153	U	0.0100	0.00153
541-73-1	1,3-Dichlorobenzene	0.00210	U	0.0100	0.00210
106-46-7	1,4-Dichlorobenzene	0.00176	U	0.0100	0.00176
75-71-8	Dichlorodifluoromethane	0.00859	U	0.0100	0.00859
75-34-3	1,1-Dichloroethane	0.0692		0.0100	0.00168
107-06-2	1,2-Dichloroethane	0.00116	U	0.0100	0.00116
75-35-4	1,1-Dichloroethene	0.00490	J	0.0100	0.00192
78-87-5	1,2-Dichloropropane	0.00136	U	0.0100	0.00136
142-28-9	1,3-Dichloropropane	0.00220	U	0.0100	0.00220
594-20-7	2,2-Dichloropropane	0.00258	U	0.0100	0.00258
563-58-6	1,1-Dichloropropene	0.00191	U	0.0100	0.00191
100-41-4	Ethylbenzene	0.381		0.0100	0.00212
106-93-4	Ethylene Dibromide	0.00111	U	0.0100	0.00111
87-68-3	Hexachlorobutadiene	0.00215	U	0.0100	0.00215
98-82-8	Isopropylbenzene	0.292		0.0100	0.00241
75-09-2	Methylene Chloride	0.00176	U	0.0500	0.00176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW12-11042015 Lab Sample ID: 600-121181-33
 Matrix: Water Lab File ID: A31708.D
 Analysis Method: 8260B Date Collected: 11/04/2015 15:37
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 12:33
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.00105	U	0.0100	0.00105
179601-23-1	m-Xylene & p-Xylene	0.377		0.0100	0.00205
91-20-3	Naphthalene	0.296	B	0.0200	0.00129
104-51-8	n-Butylbenzene	0.00757	J	0.0100	0.00212
103-65-1	N-Propylbenzene	0.377		0.0100	0.00230
95-47-6	o-Xylene	0.00509	J	0.0100	0.00192
99-87-6	p-Isopropyltoluene	0.00300	J	0.0100	0.00228
135-98-8	sec-Butylbenzene	0.00947	J	0.0100	0.00224
100-42-5	Styrene	0.00175	U	0.0100	0.00175
98-06-6	tert-Butylbenzene	0.00216	U	0.0100	0.00216
630-20-6	1,1,1,2-Tetrachloroethane	0.00178	U	0.0100	0.00178
79-34-5	1,1,2,2-Tetrachloroethane	0.00197	U	0.0100	0.00197
127-18-4	Tetrachloroethene	0.00481	J	0.0100	0.00333
108-88-3	Toluene	0.00198	U	0.0100	0.00198
156-60-5	trans-1,2-Dichloroethene	0.00192	U	0.0100	0.00192
10061-02-6	trans-1,3-Dichloropropene	0.00137	U	0.0100	0.00137
87-61-6	1,2,3-Trichlorobenzene	0.00570	U	0.0100	0.00570
120-82-1	1,2,4-Trichlorobenzene	0.00177	U	0.0100	0.00177
71-55-6	1,1,1-Trichloroethane	0.00209	U	0.0100	0.00209
79-00-5	1,1,2-Trichloroethane	0.00209	U	0.0100	0.00209
79-01-6	Trichloroethene	0.00632	J	0.0100	0.00138
75-69-4	Trichlorofluoromethane	0.00244	U	0.0100	0.00244
96-18-4	1,2,3-Trichloropropane	0.00290	U	0.0100	0.00290
108-67-8	1,3,5-Trimethylbenzene	0.00929	J	0.0100	0.00210
75-01-4	Vinyl chloride	0.00248	U	0.0100	0.00248
1330-20-7	Xylenes, Total	0.382		0.0200	0.00366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW12-11042015 DL Lab Sample ID: 600-121181-33 DL
 Matrix: Water Lab File ID: A31709.D
 Analysis Method: 8260B Date Collected: 11/04/2015 15:37
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 12:58
 Soil Aliquot Vol.: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	2.08		0.100	0.0215

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	119		67-139
1868-53-7	Dibromofluoromethane	116		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		50-134
2037-26-5	Toluene-d8 (Surr)	128		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW15-11042015</u>	Lab Sample ID: <u>600-121181-34</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31615.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 16:09</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 17:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.00794		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000315	J	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW15-11042015</u>	Lab Sample ID: <u>600-121181-34</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31615.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 16:09</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/12/2015 17:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176238</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000325	J	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U *	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000307	J	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.0257		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	109		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		50-134
2037-26-5	Toluene-d8 (Surr)	108		70-130

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-174792/2	A29901.D
Level 2	IC 600-174792/3	A29902.D
Level 3	IC 600-174792/4	A29903.D
Level 4	IC 600-174792/5	A29904.D
Level 5	ICIS 600-174792/6	A29905.D
Level 6	IC 600-174792/7	A29906.D
Level 7	IC 600-174792/8	A29907.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1808 0.1734	0.1884 0.1781	0.1899	0.1908	0.1872	Ave		0.1841				3.6		15.0			
Chloromethane	0.1584 0.1626	0.1705 0.1681	0.1779	0.1775	0.1755	Ave		0.1701			0.1000	4.4		15.0			
Vinyl chloride	0.2000 0.1974	0.2037 0.2092	0.2052	0.2113	0.2139	Ave		0.2058				2.9		15.0			
Butadiene	0.2279 0.2079	0.2295 0.1965	0.2356	0.2309	0.2319	Ave		0.2229				6.6		15.0			
Ethylene oxide	0.0274 0.0094	0.0112 0.0108	0.0134	0.0108	0.0108	Lin1	0.0578	0.0102							0.9900		0.9900
Bromomethane	0.1482 0.1319	0.1626 0.1472	0.1522	0.1481	0.1387	Ave		0.1470				6.6		15.0			
Chloroethane	0.1405 0.1190	0.1249 0.1251	0.1250	0.1314	0.1320	Ave		0.1283				5.4		15.0			
Dichlorofluoromethane	0.3247 0.3339	0.3467 0.3420	0.3540	0.3621	0.3568	Ave		0.3457				3.8		15.0			
Acrolein	0.0095 0.0080	0.0078 0.0063	0.0089	0.0088	0.0081	Ave		0.0082				12.7		15.0			
Acetonitrile	0.0122 0.0089	0.0077 0.0063	0.0113	0.0103	0.0092	Qua	-0.001	0.0104	-0.000008						1.0000		0.9900
Trichlorofluoromethane	0.4521 0.4499	0.4403 0.4340	0.4589	0.4787	0.4725	Ave		0.4552				3.6		15.0			
Isopropyl alcohol	0.0063 0.0028	0.0048 0.0027	0.0045	0.0034	0.0032	Lin1	0.0224	0.0027							0.9960		0.9900
Acetone	0.0340 0.0211	0.0299 0.0202	0.0265	0.0249	0.0242	Lin2	0.0127	0.0223							0.9930		0.9900
Ethyl ether	0.1288 0.1387	0.1339 0.1501	0.1448	0.1458	0.1501	Ave		0.1417				5.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
t-Butanol	0.0070 0.0061	0.0081 0.0063	0.0076	0.0072	0.0071	Ave		0.0071				9.5		15.0			
1,1-Dichloroethene	0.2985 0.2759	0.2858 0.2899	0.3014	0.2922	0.3027	Ave		0.2923				3.3		15.0			
Acrylonitrile	0.0255 0.0240	0.0257 0.0249	0.0298	0.0282	0.0275	Ave		0.0265				7.8		15.0			
Iodomethane	0.0838 0.3465	0.0886 0.3820	0.1109	0.2108	0.3052	Lin	-0.569	0.3895							0.9980		0.9900
Methylene Chloride	1.2466 0.2604	0.8032 0.2528	0.5587	0.3862	0.3275	Lin1	0.5460	0.2461							0.9950		0.9900
Methyl acetate	0.1036 0.0974	0.1071 0.1001	0.1141	0.1095	0.1086	Ave		0.1058				5.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3101 0.2772	0.2782 0.2911	0.3054	0.3013	0.3012	Ave		0.2949				4.4		15.0			
3-Chloro-1-propene	0.1706 0.1612	0.1509 0.1745	0.1688	0.1704	0.1755	Ave		0.1674				5.2		15.0			
Carbon disulfide	0.9774 0.8315	0.8746 0.7544	0.9476	0.9452	0.9287	Ave		0.8942				8.8		15.0			
trans-1,2-Dichloroethene	0.3394 0.3160	0.3135 0.3346	0.3469	0.3360	0.3443	Ave		0.3330				4.0		15.0			
Methyl tert-butyl ether	0.3817 0.3908	0.3829 0.4347	0.4220	0.4133	0.4229	Ave		0.4069				5.3		15.0			
Propionitrile	0.0104 0.0102	0.0114 0.0103	0.0119	0.0111	0.0118	Ave		0.0110				6.6		15.0			
1,1-Dichloroethane	0.5961 0.5384	0.5667 0.5505	0.6190	0.5908	0.5916	Ave		0.5790			0.1000	4.9		15.0			
Vinyl acetate	0.1341 0.1491	0.1381 0.1720	0.1619	0.1557	0.1635	Ave		0.1535				9.0		15.0			
2-Chloro-1,3-butadiene	0.4450 0.4508	0.4353 0.4516	0.4789	0.4904	0.4962	Ave		0.4640				5.2		15.0			
Hexane	0.4454 0.4328	0.4463 0.4073	0.4947	0.5017	0.4909	Ave		0.4599				7.8		15.0			
2-Butanone (MEK)	0.0099 0.0102	0.0118 0.0100	0.0119	0.0120	0.0116	Ave		0.0110				8.7		15.0			
Isopropyl ether	0.8128 0.8287	0.8618 0.7938	0.9786	0.9504	0.9389	Ave		0.8807				8.4		15.0			
Methacrylonitrile	0.0108 0.0129	0.0122 0.0132	0.0145	0.0141	0.0139	Ave		0.0131				9.6		15.0			
cis-1,2-Dichloroethene	0.4001 0.3199	0.3505 0.3327	0.3624	0.3491	0.3534	Ave		0.3526				7.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.0132	0.0152 0.0148	0.0146	0.0135	0.0140	Ave		0.0142				5.6		15.0			
Bromochloromethane	0.1180 0.1180	0.1172 0.1175	0.1281	0.1222	0.1253	Ave		0.1209				3.6		15.0			
Chloroform	0.5131 0.4700	0.5108 0.4844	0.5455	0.5228	0.5192	Ave		0.5094				4.9		15.0			
Tert-butyl ethyl ether	0.5790 0.6078	0.6114 0.6332	0.6715	0.6582	0.6688	Ave		0.6328				5.5		15.0			
Isobutyl alcohol	++++ 0.0038	0.0040 0.0038	0.0047	0.0044	0.0043	Ave		0.0042				8.7		15.0			
2,2-Dichloropropane	0.4486 0.4329	0.4226 0.4535	0.4651	0.4711	0.4717	Ave		0.4522				4.2		15.0			
Tetrahydrofuran	0.0355 0.0230	0.0257 0.0258	0.0268	0.0249	0.0255	Lin2	0.0100	0.0240							0.9920		0.9900
1,2-Dichloroethane	0.2417 0.2205	0.2256 0.2298	0.2482	0.2398	0.2393	Ave		0.2350				4.2		15.0			
n-Butanol	++++ 0.0011	0.0011 0.0012	0.0009	0.0012	0.0012	Ave		0.0011				9.5		15.0			
1,1,1-Trichloroethane	0.5015 0.4795	0.4807 0.5038	0.5083	0.5104	0.5179	Ave		0.5003				3.0		15.0			
1,1-Dichloropropene	0.3917 0.3900	0.3886 0.4033	0.4192	0.4205	0.4251	Ave		0.4055				3.9		15.0			
Cyclohexane	0.4518 0.4647	0.4676 0.4763	0.5113	0.5093	0.5223	Ave		0.4862				5.7		15.0			
Carbon tetrachloride	0.4232 0.4325	0.4101 0.4636	0.4580	0.4543	0.4609	Ave		0.4432				4.8		15.0			
Benzene	1.2741 1.1484	1.2051 1.1057	1.3605	1.2905	1.2830	Ave		1.2382				7.2		15.0			
Tert-amyl methyl ether	0.3950 0.4382	0.4210 0.4686	0.4650	0.4565	0.4690	Ave		0.4448				6.4		15.0			
2-Nitropropane	0.0692 0.0762	0.0763 0.0820	0.0815	0.0848	0.0827	Ave		0.0790				6.8		15.0			
Isooctane	0.9203 0.8512	0.8946 0.8419	0.9529	0.9584	0.9503	Ave		0.9099				5.4		15.0			
Ethyl acrylate	0.1497 0.2051	0.1842 0.2157	0.1991	0.1877	0.2248	Ave		0.1952				12.6		15.0			
n-Heptane	0.4031 0.3939	0.3988 0.3964	0.4596	0.4455	0.4387	Ave		0.4194				6.6		15.0			
Dibromomethane	0.0956 0.0886	0.0901 0.0922	0.1001	0.0979	0.0970	Ave		0.0945				4.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2782 0.2539	0.2602 0.2534	0.2967	0.2810	0.2826	Ave		0.2723				6.1		15.0			
Trichloroethene	0.5108 0.3815	0.4159 0.4001	0.4239	0.4037	0.4042	Ave		0.4200				10.0		15.0			
Bromodichloromethane	0.2824 0.2873	0.2765 0.2984	0.3123	0.3093	0.3109	Ave		0.2967				5.0		15.0			
1,4-Dioxane	++++ 0.0004	0.0006 0.0004	0.0007	0.0005	0.0005	Lin1	0.0076	0.0004							0.9920		0.9900
2-Chloroethyl vinyl ether	0.2388 0.2869	0.2441 0.2872	0.2926	0.2919	0.3078	Ave		0.2785				9.4		15.0			
Methyl methacrylate	0.1056 0.0989	0.1047 0.0963	0.1156	0.1128	0.1121	Ave		0.1066				6.8		15.0			
Methylcyclohexane	0.4823 0.4839	0.4773 0.4850	0.5200	0.5227	0.5282	Ave		0.4999				4.5		15.0			
cis-1,3-Dichloropropene	0.9267 1.0099	0.9047 1.0230	1.0260	1.0364	1.0848	Ave		1.0016				6.3		15.0			
4-Methyl-2-pentanone (MIBK)	0.0738 0.0775	0.0766 0.0810	0.0818	0.0815	0.0827	Ave		0.0793				4.2		15.0			
trans-1,3-Dichloropropene	0.6144 0.6903	0.5844 0.7141	0.6593	0.6859	0.7364	Ave		0.6692				8.1		15.0			
1,1,2-Trichloroethane	0.3776 0.3822	0.3973 0.3903	0.4142	0.3990	0.4198	Ave		0.3972				3.9		15.0			
Ethyl methacrylate	0.3384 0.4205	0.3833 0.4354	0.3994	0.4272	0.4518	Ave		0.4080				9.3		15.0			
Toluene	2.3728 2.3611	2.2996 2.2587	2.4873	2.5251	2.5516	Ave		2.4080				4.7		15.0			
1,3-Dichloropropane	0.7087 0.6945	0.6743 0.6800	0.7951	0.7442	0.7685	Ave		0.7236				6.4		15.0			
2-Hexanone	0.1060 0.1467	0.1223 0.1499	0.1460	0.1515	0.1580	Ave		0.1401				13.4		15.0			
Chlorodibromomethane	0.4580 0.5008	0.4150 0.5395	0.5003	0.4935	0.5255	Ave		0.4904				8.6		15.0			
n-Butyl acetate	0.1130 0.1011	0.0731 0.1076	0.0976	0.0946	0.1099	Ave		0.0995				13.5		15.0			
Ethylene Dibromide	0.3485 0.3439	0.3420 0.3599	0.3558	0.3623	0.3662	Ave		0.3541				2.7		15.0			
Tetrachloroethene	0.8570 0.8334	0.8308 0.8339	0.8469	0.8708	0.8848	Ave		0.8511				2.4		15.0			
1-Chlorohexane	0.8062 0.8059	0.7652 0.7688	0.8557	0.8709	0.8757	Ave		0.8212				5.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.7073 0.7561	0.6776 0.7872	0.7544	0.7863	0.8099	Ave		0.7541				6.2		15.0			
Chlorobenzene	2.4839 2.2613	2.3672 2.2601	2.5244	2.4499	2.4776	Ave		2.4035			0.3000	4.5		15.0			
Ethylbenzene	1.3619 1.3484	1.2894 1.3347	1.3964	1.4259	1.4415	Ave		1.3712				3.9		15.0			
m-Xylene & p-Xylene	2.7889 2.9167	2.6748 2.8654	3.0028	3.0655	3.1490	Ave		2.9233				5.6		15.0			
Bromoform	0.2223 0.1996	0.1904 0.2230	0.2125	0.2101	0.2124	Ave		0.2101			0.1000	5.6		15.0			
Styrene	1.7043 2.1156	1.6695 2.2378	1.9116	2.0841	2.2339	Ave		1.9938				11.9		15.0			
Cyclohexanone	0.0053 0.0050	0.0051 0.0054	0.0056	0.0055	0.0056	Ave		0.0054				4.5		15.0			
1,1,2,2-Tetrachloroethane	0.4120 0.3340	0.3685 0.3344	0.4125	0.3779	0.3836	Ave		0.3747			0.3000	8.6		15.0			
o-Xylene	1.3111 1.4950	1.3889 1.5265	1.5309	1.6118	1.6230	Ave		1.4982				7.6		15.0			
trans-1,4-Dichloro-2-butene	++++ 0.0738	0.0771 0.0795	0.0946	0.0760	0.0786	Ave		0.0799				9.3		15.0			
1,2,3-Trichloropropane	0.1196 0.1029	0.1271 0.1065	0.1437	0.1137	0.1167	Ave		0.1186				11.5		15.0			
Isopropylbenzene	4.0187 3.8631	3.8693 3.4845	4.2853	4.2586	4.3419	Ave		4.0174				7.6		15.0			
Bromobenzene	0.8337 0.7736	0.7895 0.8053	0.8496	0.8207	0.8647	Ave		0.8196				4.0		15.0			
N-Propylbenzene	1.2055 1.1821	1.0678 1.1608	1.2296	1.2618	1.2925	Ave		1.2000				6.1		15.0			
2-Chlorotoluene	1.0028 1.0086	0.9812 1.0171	1.0870	1.0603	1.1163	Ave		1.0390				4.8		15.0			
4-Chlorotoluene	2.7088 2.5583	2.5570 2.4681	2.8971	2.7893	2.8790	Ave		2.6939				6.3		15.0			
1,3,5-Trimethylbenzene	3.0679 3.2363	3.0978 3.0550	3.3880	3.4849	3.5680	Ave		3.2711				6.4		15.0			
tert-Butylbenzene	2.7915 2.8730	2.7016 2.7775	3.0043	3.0293	3.1289	Ave		2.9009				5.4		15.0			
1,2,4-Trimethylbenzene	3.1211 3.3004	3.0049 3.1377	3.5198	3.4933	3.6422	Ave		3.3171				7.2		15.0			
sec-Butylbenzene	3.9369 4.0119	3.8623 3.7466	4.2942	4.3425	4.4546	Ave		4.0927				6.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792
SDG No.: _____
Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl chloride	0.4512 0.5271	0.4188 0.6004	0.4634	0.4800	0.5304	Ave		0.4959				12.3		15.0			
1,3-Dichlorobenzene	1.9911 1.8564	1.9342 1.8678	1.9876	2.0005	2.0377	Ave		1.9536				3.6		15.0			
1,4-Dichlorobenzene	2.0522 1.8387	1.9377 1.8068	2.0138	1.9746	2.0172	Ave		1.9487				4.8		15.0			
p-Isopropyltoluene	3.8842 3.7651	3.7062 3.5143	3.9967	3.9926	4.0915	Ave		3.8501				5.2		15.0			
1,2,3-Trimethylbenzene	3.1366 3.1774	3.0974 3.0675	3.3717	3.3576	3.4925	Ave		3.2430				5.0		15.0			
1,2-Dichlorobenzene	1.5478 1.4967	1.5638 1.5232	1.6243	1.5865	1.6358	Ave		1.5683				3.3		15.0			
n-Butylbenzene	3.0425 3.0150	2.8953 2.8215	3.1978	3.2417	3.3578	Ave		3.0817				6.3		15.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0569	0.0676 0.0610	0.0648	0.0595	0.0624	Ave		0.0620				6.1		15.0			
1,3,5-Trichlorobenzene	1.1941 1.1673	1.1694 1.1473	1.2141	1.2158	1.2666	Ave		1.1964				3.3		15.0			
1,2,4-Trichlorobenzene	0.7862 0.7946	0.7656 0.8088	0.8814	0.8407	0.8738	Ave		0.8216				5.4		15.0			
Naphthalene	0.9293 1.1137	0.9910 1.1674	1.0810	1.0951	1.1903	Ave		1.0811				8.6		15.0			
Hexachlorobutadiene	0.2829 0.2181	0.2287 0.2127	0.2529	0.2381	0.2428	Ave		0.2394				9.9		15.0			
1,2,3-Trichlorobenzene	0.5872 0.5543	0.5516 0.5570	0.5939	0.5756	0.6121	Ave		0.5760				4.0		15.0			
Dibromofluoromethane	0.2713 0.2414	0.2521 0.2548	0.2702	0.2591	0.2635	Ave		0.2589				4.1		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1747 0.1654	0.1768 0.1738	0.1971	0.1806	0.1815	Ave		0.1786				5.5		15.0			
Toluene-d8 (Surr)	3.1398 3.0770	2.9587 2.9510	3.2282	3.2683	3.3300	Ave		3.1361				4.7		15.0			
4-Bromofluorobenzene	1.1287 0.8287	0.8703 0.8274	0.9742	0.9228	0.9299	Ave		0.9260				11.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-174792/2	A29901.D
Level 2	IC 600-174792/3	A29902.D
Level 3	IC 600-174792/4	A29903.D
Level 4	IC 600-174792/5	A29904.D
Level 5	ICIS 600-174792/6	A29905.D
Level 6	IC 600-174792/7	A29906.D
Level 7	IC 600-174792/8	A29907.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3798 157065	8040 412570	16057	40655	81633	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chloromethane	FB	Ave	3328 147263	7276 389420	15040	37827	76508	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	4202 178801	8690 484685	17345	45016	93249	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Butadiene	FB	Ave	4789 188344	9794 455374	19919	49199	101130	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylene oxide	FB	Lin1	5748 85175	4765 250375	11301	22984	46892	5.00 200	10.0 500	20.0	50.0	100
Bromomethane	FB	Ave	3115 119467	6939 341003	12872	31558	60456	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chloroethane	FB	Ave	2953 107773	5329 289960	10565	27992	57552	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dichlorofluoromethane	FB	Ave	6823 302469	14794 792365	29929	77150	155575	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Acrolein	FB	Ave	1002 36208	1661 72885	3754	9412	17645	2.50 100	5.00 250	10.0	25.0	50.0
Acetonitrile	FB	Qua	2565 80262	3271 147065	9556	21874	40004	5.00 200	10.0 500	20.0	50.0	100
Trichlorofluoromethane	FB	Ave	9500 407523	18788 1005653	38794	101999	206033	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl alcohol	FB	Lin1	1333 25392	2043 62599	3793	7350	13972	5.00 200	10.0 500	20.0	50.0	100
Acetone	FB	Lin2	1427 38161	2552 93485	4483	10590	21089	1.00 40.0	2.00 100	4.00	10.0	20.0
Ethyl ether	FB	Ave	2706 125601	5714 347814	12238	31070	65454	0.500 20.0	1.00 50.0	2.00	5.00	10.0
t-Butanol	FB	Ave	1470 55530	3435 146799	6412	15381	30914	5.00 200	10.0 500	20.0	50.0	100

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	6273 249903	12196 671603	25481	62257	131971	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	5349 217086	10951 576412	25232	60021	119816	5.00 200	10.0 500	20.0	50.0	100
Iodomethane	FB	Lin	1760 313810	3780 885114	9372	44919	133063	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methylene Chloride	FB	Lin1	26193 235861	34273 585734	47232	82294	142797	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methyl acetate	FB	Ave	10881 441140	22840 1160198	48217	116617	236841	2.50 100	5.00 250	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	6516 251117	11872 674485	25819	64186	131326	0.500 20.0	1.00 50.0	2.00	5.00	10.0
3-Chloro-1-propene	FB	Ave	3585 146044	6440 404300	14269	36310	76537	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Carbon disulfide	FB	Ave	20537 753179	37318 1747823	80115	201378	404944	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	7132 286238	13379 775205	29332	71591	150121	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methyl tert-butyl ether	FB	Ave	8020 353947	16339 1007257	35682	88065	184390	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Propionitrile	FB	Ave	2194 92096	4846 237843	10081	23666	51549	5.00 200	10.0 500	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	12525 487667	24182 1275442	52334	125879	257938	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl acetate	FB	Ave	5636 270187	11789 796984	27378	66362	142585	1.00 40.0	2.00 100	4.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	9351 408305	18576 1046362	40487	104491	216380	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Hexane	FB	Ave	9359 392041	19042 943809	41828	106898	214039	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	416 18421	1008 46414	2011	5094	10073	1.00 40.0	2.00 100	4.00	10.0	20.0
Isopropyl ether	FB	Ave	17079 750634	36774 1839280	82739	202486	409390	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	2272 116614	5209 306205	12228	30073	60434	5.00 200	10.0 500	20.0	50.0	100
cis-1,2-Dichloroethene	FB	Ave	8407 289779	14954 770775	30640	74373	154089	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acetate	FB	Ave	++++ 23914	1300 68744	2461	5737	12223	++++ 40.0	2.00 100	4.00	10.0	20.0
Bromochloromethane	FB	Ave	2480 106875	5001 272265	10829	26035	54640	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	10781 425711	21794 1122339	46118	111381	226384	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tert-butyl ethyl ether	FB	Ave	12167 550537	26090 1467106	56769	140227	291600	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	++++ 86626	4297 220405	10035	23388	46707	++++ 500	25.0 1250	50.0	125	250
2,2-Dichloropropane	FB	Ave	9425 392085	18033 1050641	39325	100379	205663	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Lin2	1491 41639	2191 119694	4528	10619	22246	1.00 40.0	2.00 100	4.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	5078 199725	9627 532499	20985	51098	104354	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butanol	FB	Ave	++++ 24135	1183 72067	1972	6128	12621	++++ 500	25.0 1250	50.0	125	250
1,1,1-Trichloroethane	FB	Ave	10538 434285	20512 1167368	42974	108756	225805	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	8231 353267	16582 934373	35442	89593	185348	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexane	FB	Ave	9494 420930	19951 1103589	43224	108517	227748	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	8892 391754	17500 1074069	38720	96788	200975	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Benzene	FB	Ave	26772 1040156	51421 2561800	115024	274950	559438	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tert-amyl methyl ether	FB	Ave	8300 396892	17963 1085801	39311	97256	204510	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Nitropropane	FB	Ave	2909 138017	6508 380104	13778	36146	72113	1.00 40.0	2.00 100	4.00	10.0	20.0
Isooctane	FB	Ave	19337 771005	38174 1950576	80561	204190	414349	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acrylate	FB	Ave	3146 185793	7860 499784	16834	39995	98008	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Heptane	FB	Ave	8469 356813	17015 918339	38854	94917	191303	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	2009 80270	3846 213576	8464	20864	42282	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	5845 229938	11104 587219	25085	59871	123238	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	10734 345577	17745 927114	35840	86008	176251	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromodichloromethane	FB	Ave	5934 260270	11798 691292	26403	65907	135574	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	FB	Lin1	+++++ 7200	541 18591	1141	2174	4338	+++++ 400	20.0 1000	40.0	100	200
2-Chloroethyl vinyl ether	CBZ	Ave	3023 160431	6348 425140	15484	38789	82535	1.00 40.0	2.00 100	4.00	10.0	20.0
Methyl methacrylate	FB	Ave	4438 179149	8931 446404	19540	48066	97750	1.00 40.0	2.00 100	4.00	10.0	20.0
Methylcyclohexane	FB	Ave	10135 438270	20366 1123834	43966	111367	230301	0.500 20.0	1.00 50.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Ave	5866 282402	11763 757191	27151	68857	145464	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	3100 140346	6536 375441	13826	34738	72106	1.00 40.0	2.00 100	4.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	3889 193031	7598 528510	17446	45569	98743	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	2390 106873	5166 288915	10960	26512	56296	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Ave	2142 117591	4984 322243	10570	28382	60587	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene	CBZ	Ave	15020 660236	29900 1671818	65821	167772	342156	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	4486 194192	8767 503270	21039	49444	103055	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	1342 82058	3180 221854	7727	20129	42378	1.00 40.0	2.00 100	4.00	10.0	20.0
Chlorodibromomethane	CBZ	Ave	2899 140042	5396 399304	13239	32787	70465	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butyl acetate	CBZ	Ave	715 28263	950 79607	2584	6287	14738	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	2206 96162	4447 266394	9416	24074	49105	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	5425 233030	10803 617199	22411	57855	118643	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	5103 225346	9950 569032	22644	57861	117422	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4477 211421	8810 582630	19963	52241	108604	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	15723 632321	30780 1672792	66802	162776	332228	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	8621 377055	16766 987890	36953	94740	193292	0.500 20.0	1.00 50.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	17654 815598	34779 2120816	79462	203680	422260	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	DCB	Ave	1190 56669	2204 181577	5101	13332	27675	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Styrene	CBZ	Ave	10788 591575	21708 1656286	50586	138470	299558	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	1678 69543	3334 199192	7443	18254	37576	25.0 1000	50.0 2500	100	250	500
1,1,2,2-Tetrachloroethane	DCB	Ave	2205 94840	4266 272264	9902	23978	49977	0.500 20.0	1.00 50.0	2.00	5.00	10.0
o-Xylene	CBZ	Ave	8299 418035	18059 1129851	40510	107092	217636	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 20965	893 64712	2270	4820	10239	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	640 29227	1471 86694	3449	7212	15199	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	21509 1096786	44791 2836642	102871	270216	565641	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	4462 219621	9139 655569	20395	52077	112642	0.500 20.0	1.00 50.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	6452 335624	12361 944963	29517	80061	168382	0.500 20.0	1.00 50.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	5367 286361	11358 827986	26095	67276	145427	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	14498 726322	29600 2009210	69545	176986	375058	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	16420 918811	35860 2486991	81331	221127	464815	0.500 20.0	1.00 50.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	14941 815677	31273 2261118	72119	192217	407607	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	16705 937016	34785 2554345	84495	221656	474489	0.500 20.0	1.00 50.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	21071 1139027	44710 3050012	103083	275538	580323	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Benzyl chloride	DCB	Ave	2415 149641	4848 488776	11124	30459	69094	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	10657 527067	22390 1520558	47713	126933	265453	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	10984 522031	22431 1470865	48342	125293	262786	0.500 20.0	1.00 50.0	2.00	5.00	10.0
p-Isopropyltoluene	DCB	Ave	20789 1068949	42903 2860939	95942	253336	533015	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trimethylbenzene	DCB	Ave	16788 902111	35855 2497207	80939	213045	454981	0.500 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-121181-1 Analy Batch No.: 174792

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 11:27 Calibration End Date: 10/26/2015 14:00 Calibration ID: 7927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	8284 424919	18103 1239998	38992	100669	213108	0.500 20.0	1.00 50.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	16284 856006	33516 2296906	76764	205695	437429	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	++++ 16145	782 49684	1555	3774	8135	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trichlorobenzene	DCB	Ave	6391 331400	13537 933986	29145	77146	165003	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	4208 225606	8862 658443	21159	53347	113836	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	4974 316200	11472 950341	25951	69485	155059	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	1514 61929	2647 173133	6070	15110	31625	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	3143 157378	6385 453437	14257	36526	79742	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Dibromofluoromethane	FB	Ave	5700 218685	10759 590327	22846	55195	114908	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	3671 149817	7543 402667	16665	38473	79145	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene-d8 (Surr)	CBZ	Ave	19875 860401	38470 2184189	85425	217151	446533	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Bromofluorobenzene	DCB	Ave	6041 235275	10074 673546	23385	58553	121137	0.500 20.0	1.00 50.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-175890/2 Calibration Date: 11/09/2015 10:19

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31301.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1841	0.2946		16.0	10.0	60.0*	35.0
Chloromethane	Ave	0.1701	0.1893	0.1000	11.1	10.0	11.3	35.0
Vinyl chloride	Ave	0.2058	0.2151		10.5	10.0	4.5	20.0
Butadiene	Ave	0.2229	0.2652		11.9	10.0	19.0	35.0
Ethylene oxide	Lin1		0.0100		92.1	100	-7.9	35.0
Bromomethane	Ave	0.1470	0.1506		10.3	10.0	2.5	35.0
Chloroethane	Ave	0.1283	0.1189		9.27	10.0	-7.3	35.0
Dichlorofluoromethane	Ave	0.3457	0.3647		10.6	10.0	5.5	35.0
Acetonitrile	Qua		0.0084		86.6	100	-13.4	50.0
Acrolein	Ave	0.0082	0.0063		38.3	50.0	-23.4	50.0
Trichlorofluoromethane	Ave	0.4552	0.5266		11.6	10.0	15.7	35.0
Isopropyl alcohol	Lin1		0.0032		109	100	8.7	50.0
Acetone	Lin2		0.0208		18.1	20.0	-9.7	35.0
Ethyl ether	Ave	0.1417	0.1128		7.96	10.0	-20.4	35.0
t-Butanol	Ave	0.0071	0.0062		87.3	100	-12.7	35.0
1,1-Dichloroethene	Ave	0.2923	0.2772		9.48	10.0	-5.2	20.0
Acrylonitrile	Ave	0.0265	0.0234		88.4	100	-11.7	50.0
Iodomethane	Lin		0.3356		10.1	10.0	0.8	35.0
Methylene Chloride	Lin1		0.2343		7.30	10.0	-27.0	50.0
Methyl acetate	Ave	0.1058	0.0905		42.8	50.0	-14.4	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2949	0.2919		9.90	10.0	-1.0	35.0
3-Chloro-1-propene	Ave	0.1674	0.1524		9.10	10.0	-9.0	35.0
Carbon disulfide	Ave	0.8942	0.8486		9.49	10.0	-5.1	35.0
trans-1,2-Dichloroethene	Ave	0.3330	0.3030		9.10	10.0	-9.0	35.0
Methyl tert-butyl ether	Ave	0.4069	0.3490		8.58	10.0	-14.2	35.0
Propionitrile	Ave	0.0110	0.0093		84.6	100	-15.4	35.0
1,1-Dichloroethane	Ave	0.5790	0.5578	0.1000	9.63	10.0	-3.7	35.0
Vinyl acetate	Ave	0.1535	0.1285		16.7	20.0	-16.3	50.0
2-Chloro-1,3-butadiene	Ave	0.4640	0.5095		11.0	10.0	9.8	35.0
Hexane	Ave	0.4599	0.4669		10.2	10.0	1.5	35.0
Isopropyl ether	Ave	0.8807	0.8377		9.51	10.0	-4.9	35.0
2-Butanone (MEK)	Ave	0.0110	0.0096		17.4	20.0	-13.2	50.0
Methacrylonitrile	Ave	0.0131	0.0110		84.3	100	-15.7	35.0
cis-1,2-Dichloroethene	Ave	0.3526	0.3120		8.85	10.0	-11.5	35.0
Ethyl acetate	Ave	0.0142	0.0114		16.0	20.0	-19.9	35.0
Bromochloromethane	Ave	0.1209	0.1097		9.07	10.0	-9.3	35.0
Chloroform	Ave	0.5094	0.5322		10.5	10.0	4.5	20.0
Isobutyl alcohol	Ave	0.0042	0.0041		243	250	-2.7	50.0
Tert-butyl ethyl ether	Ave	0.6328	0.5824		9.20	10.0	-8.0	35.0
2,2-Dichloropropane	Ave	0.4522	0.5159		11.4	10.0	14.1	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-175890/2 Calibration Date: 11/09/2015 10:19
 Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00
 Lab File ID: A31301.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0186		15.1	20.0	-24.4	35.0
1,2-Dichloroethane	Ave	0.2350	0.2417		10.3	10.0	2.9	35.0
1,1,1-Trichloroethane	Ave	0.5003	0.5713		11.4	10.0	14.2	35.0
1,1-Dichloropropene	Ave	0.4055	0.4084		10.1	10.0	0.7	35.0
Cyclohexane	Ave	0.4862	0.4761		9.79	10.0	-2.1	35.0
Carbon tetrachloride	Ave	0.4432	0.5362		12.1	10.0	21.0	35.0
Benzene	Ave	1.238	1.149		9.28	10.0	-7.2	35.0
2-Nitropropane	Ave	0.0790	0.0733		18.6	20.0	-7.2	35.0
Tert-amyl methyl ether	Ave	0.4448	0.3791		8.52	10.0	-14.8	35.0
Isooctane	Ave	0.9099	0.8964		9.85	10.0	-1.5	35.0
Ethyl acrylate	Ave	0.1952	0.1738		8.91	10.0	-11.0	35.0
n-Heptane	Ave	0.4194	0.4538		10.8	10.0	8.2	35.0
Dibromomethane	Ave	0.0945	0.0838		8.87	10.0	-11.3	35.0
1,2-Dichloropropane	Ave	0.2723	0.2406		8.84	10.0	-11.7	20.0
Trichloroethene	Ave	0.4200	0.3785		9.01	10.0	-9.9	35.0
Bromodichloromethane	Ave	0.2967	0.2987		10.1	10.0	0.7	35.0
1,4-Dioxane	Lin1		0.0004		196	200	-2.2	50.0
2-Chloroethyl vinyl ether	Ave	0.2785	0.2293		16.5	20.0	-17.7	35.0
Methyl methacrylate	Ave	0.1066	0.1188		22.3	20.0	11.5	50.0
Methylcyclohexane	Ave	0.4999	0.5058		10.1	10.0	1.2	35.0
cis-1,3-Dichloropropene	Ave	1.002	0.9788		9.77	10.0	-2.3	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0793	0.0673		17.0	20.0	-15.1	50.0
trans-1,3-Dichloropropene	Ave	0.6692	0.6536		9.77	10.0	-2.3	35.0
1,1,2-Trichloroethane	Ave	0.3972	0.3670		9.24	10.0	-7.6	35.0
Ethyl methacrylate	Ave	0.4080	0.3634		8.91	10.0	-10.9	50.0
Toluene	Ave	2.408	2.416		10.0	10.0	0.4	20.0
1,3-Dichloropropane	Ave	0.7236	0.7021		9.70	10.0	-3.0	35.0
2-Hexanone	Ave	0.1401	0.1246		17.8	20.0	-11.1	50.0
Chlorodibromomethane	Ave	0.4904	0.4893		9.98	10.0	-0.2	35.0
n-Butyl acetate	Ave	0.0995	0.0736		7.39	10.0	-26.1	35.0
Ethylene Dibromide	Ave	0.3541	0.3225		9.11	10.0	-8.9	35.0
Tetrachloroethene	Ave	0.8511	0.8651		10.2	10.0	1.6	35.0
1-Chlorohexane	Ave	0.8212	0.9355		11.4	10.0	13.9	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7541	0.7963		10.6	10.0	5.6	35.0
Chlorobenzene	Ave	2.403	2.324	0.3000	9.67	10.0	-3.3	35.0
Ethylbenzene	Ave	1.371	1.374		10.0	10.0	0.2	20.0
m-Xylene & p-Xylene	Ave	2.923	3.156		10.8	10.0	8.0	35.0
Bromoform	Ave	0.2101	0.1875	0.1000	8.92	10.0	-10.8	35.0
Styrene	Ave	1.994	1.966		9.86	10.0	-1.4	35.0
Cyclohexanone	Ave	0.0054	0.0058		542	500	8.4	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3747	0.3462	0.3000	9.24	10.0	-7.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-175890/2 Calibration Date: 11/09/2015 10:19
 Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00
 Lab File ID: A31301.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.498	1.618		10.8	10.0	8.0	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0799	0.0798		9.99	10.0	-0.1	50.0
1,2,3-Trichloropropane	Ave	0.1186	0.1073		9.05	10.0	-9.5	35.0
Isopropylbenzene	Ave	4.017	4.274		10.6	10.0	6.4	35.0
Bromobenzene	Ave	0.8196	0.8184		9.99	10.0	-0.1	35.0
N-Propylbenzene	Ave	1.200	1.282		10.7	10.0	6.9	35.0
2-Chlorotoluene	Ave	1.039	1.061		10.2	10.0	2.2	35.0
4-Chlorotoluene	Ave	2.694	2.938		10.9	10.0	9.1	35.0
1,3,5-Trimethylbenzene	Ave	3.271	3.665		11.2	10.0	12.0	35.0
tert-Butylbenzene	Ave	2.901	3.302		11.4	10.0	13.8	35.0
1,2,4-Trimethylbenzene	Ave	3.317	3.716		11.2	10.0	12.0	35.0
sec-Butylbenzene	Ave	4.093	4.725		11.5	10.0	15.4	35.0
Benzyl chloride	Ave	0.4959	0.5577		11.3	10.0	12.5	35.0
1,3-Dichlorobenzene	Ave	1.954	2.038		10.4	10.0	4.3	35.0
1,4-Dichlorobenzene	Ave	1.949	2.033		10.4	10.0	4.3	35.0
p-Isopropyltoluene	Ave	3.850	4.482		11.6	10.0	16.4	35.0
1,2,3-Trimethylbenzene	Ave	3.243	3.516		10.8	10.0	8.4	35.0
1,2-Dichlorobenzene	Ave	1.568	1.633		10.4	10.0	4.1	35.0
n-Butylbenzene	Ave	3.082	3.660		11.9	10.0	18.8	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0620	0.0581		9.36	10.0	-6.4	35.0
1,3,5-Trichlorobenzene	Ave	1.196	1.227		10.3	10.0	2.6	35.0
1,2,4-Trichlorobenzene	Ave	0.8216	0.7979		9.71	10.0	-2.9	35.0
Naphthalene	Ave	1.081	0.9909		9.17	10.0	-8.3	35.0
Hexachlorobutadiene	Ave	0.2394	0.2768		11.6	10.0	15.6	35.0
1,2,3-Trichlorobenzene	Ave	0.5760	0.5749		9.98	10.0	-0.2	35.0
Dibromofluoromethane	Ave	0.2589	0.2462		9.51	10.0	-4.9	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1786	0.1794		10.1	10.0	0.5	35.0
Toluene-d8 (Surr)	Ave	3.136	3.115		9.93	10.0	-0.7	35.0
4-Bromofluorobenzene	Ave	0.9260	0.9159		9.89	10.0	-1.1	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176006/2 Calibration Date: 11/10/2015 10:12

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31401.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1841	0.2564		13.9	10.0	39.3*	35.0
Chloromethane	Ave	0.1701	0.1735	0.1000	10.2	10.0	2.0	35.0
Vinyl chloride	Ave	0.2058	0.1880		9.13	10.0	-8.7	20.0
Butadiene	Ave	0.2229	0.2375		10.7	10.0	6.6	35.0
Ethylene oxide	Lin1		0.0094		86.6	100	-13.4	35.0
Bromomethane	Ave	0.1470	0.1225		8.33	10.0	-16.7	35.0
Chloroethane	Ave	0.1283	0.1039		8.10	10.0	-19.0	35.0
Dichlorofluoromethane	Ave	0.3457	0.3252		9.40	10.0	-6.0	35.0
Acetonitrile	Qua		0.0070		71.5	100	-28.5	50.0
Acrolein	Ave	0.0082	0.0064		38.8	50.0	-22.4	50.0
Trichlorofluoromethane	Ave	0.4552	0.4736		10.4	10.0	4.0	35.0
Isopropyl alcohol	Lin1		0.0039		133	100	32.9	50.0
Acetone	Lin2		0.0234		20.4	20.0	1.9	35.0
Ethyl ether	Ave	0.1417	0.1248		8.81	10.0	-11.9	35.0
t-Butanol	Ave	0.0071	0.0072		102	100	2.1	35.0
1,1-Dichloroethene	Ave	0.2923	0.2944		10.1	10.0	0.7	20.0
Acrylonitrile	Ave	0.0265	0.0256		96.6	100	-3.4	50.0
Iodomethane	Lin		0.3145		9.54	10.0	-4.7	35.0
Methylene Chloride	Lin1		0.2335		7.27	10.0	-27.3	50.0
Methyl acetate	Ave	0.1058	0.0977		46.2	50.0	-7.6	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2949	0.3128		10.6	10.0	6.1	35.0
3-Chloro-1-propene	Ave	0.1674	0.1601		9.56	10.0	-4.4	35.0
Carbon disulfide	Ave	0.8942	0.8743		9.78	10.0	-2.2	35.0
trans-1,2-Dichloroethene	Ave	0.3330	0.3222		9.68	10.0	-3.2	35.0
Methyl tert-butyl ether	Ave	0.4069	0.3727		9.16	10.0	-8.4	35.0
Propionitrile	Ave	0.0110	0.0097		88.2	100	-11.8	35.0
1,1-Dichloroethane	Ave	0.5790	0.5927	0.1000	10.2	10.0	2.4	35.0
Vinyl acetate	Ave	0.1535	0.1438		18.7	20.0	-6.3	50.0
2-Chloro-1,3-butadiene	Ave	0.4640	0.5432		11.7	10.0	17.1	35.0
2-Butanone (MEK)	Ave	0.0110	0.0105		19.0	20.0	-5.1	50.0
Hexane	Ave	0.4599	0.4794		10.4	10.0	4.2	35.0
Isopropyl ether	Ave	0.8807	0.9071		10.3	10.0	3.0	35.0
Methacrylonitrile	Ave	0.0131	0.0122		93.3	100	-6.7	35.0
cis-1,2-Dichloroethene	Ave	0.3526	0.3284		9.32	10.0	-6.9	35.0
Ethyl acetate	Ave	0.0142	0.0124		17.4	20.0	-13.1	35.0
Bromochloromethane	Ave	0.1209	0.1189		9.84	10.0	-1.6	35.0
Chloroform	Ave	0.5094	0.5646		11.1	10.0	10.8	20.0
Isobutyl alcohol	Ave	0.0042	0.0045		269	250	7.5	50.0
Tert-butyl ethyl ether	Ave	0.6328	0.6201		9.80	10.0	-2.0	35.0
2,2-Dichloropropane	Ave	0.4522	0.5393		11.9	10.0	19.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176006/2 Calibration Date: 11/10/2015 10:12

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31401.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0202		16.4	20.0	-17.9	35.0
1,2-Dichloroethane	Ave	0.2350	0.2622		11.2	10.0	11.6	35.0
1,1,1-Trichloroethane	Ave	0.5003	0.6132		12.3	10.0	22.6	35.0
1,1-Dichloropropene	Ave	0.4055	0.4377		10.8	10.0	7.9	35.0
Cyclohexane	Ave	0.4862	0.4936		10.2	10.0	1.5	35.0
Carbon tetrachloride	Ave	0.4432	0.5672		12.8	10.0	28.0	35.0
Benzene	Ave	1.238	1.215		9.81	10.0	-1.9	35.0
2-Nitropropane	Ave	0.0790	0.0794		20.1	20.0	0.6	35.0
Tert-amyl methyl ether	Ave	0.4448	0.4094		9.21	10.0	-7.9	35.0
Isooctane	Ave	0.9099	0.9090		9.99	10.0	-0.1	35.0
Ethyl acrylate	Ave	0.1952	0.2352		12.1	10.0	20.5	35.0
n-Heptane	Ave	0.4194	0.4571		10.9	10.0	9.0	35.0
Dibromomethane	Ave	0.0945	0.0923		9.76	10.0	-2.4	35.0
1,2-Dichloropropane	Ave	0.2723	0.2596		9.53	10.0	-4.7	20.0
Trichloroethene	Ave	0.4200	0.4052		9.65	10.0	-3.5	35.0
Bromodichloromethane	Ave	0.2967	0.3260		11.0	10.0	9.9	35.0
1,4-Dioxane	Lin1		0.0005		251	200	25.3	50.0
2-Chloroethyl vinyl ether	Ave	0.2785	0.2040		14.7	20.0	-26.8	35.0
Methyl methacrylate	Ave	0.1066	0.1226		23.0	20.0	15.1	50.0
Methylcyclohexane	Ave	0.4999	0.5120		10.2	10.0	2.4	35.0
cis-1,3-Dichloropropene	Ave	1.002	1.039		10.4	10.0	3.8	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0793	0.0757		19.1	20.0	-4.5	50.0
trans-1,3-Dichloropropene	Ave	0.6692	0.6898		10.3	10.0	3.1	35.0
1,1,2-Trichloroethane	Ave	0.3972	0.3987		10.0	10.0	0.4	35.0
Ethyl methacrylate	Ave	0.4080	0.3849		9.43	10.0	-5.7	50.0
Toluene	Ave	2.408	2.526		10.5	10.0	4.9	20.0
1,3-Dichloropropane	Ave	0.7236	0.7413		10.3	10.0	2.5	35.0
2-Hexanone	Ave	0.1401	0.1383		19.8	20.0	-1.2	50.0
Chlorodibromomethane	Ave	0.4904	0.5339		10.9	10.0	8.9	35.0
n-Butyl acetate	Ave	0.0995	0.0839		8.42	10.0	-15.8	35.0
Ethylene Dibromide	Ave	0.3541	0.3579		10.1	10.0	1.1	35.0
Tetrachloroethene	Ave	0.8511	0.9043		10.6	10.0	6.2	35.0
1-Chlorohexane	Ave	0.8212	0.9831		12.0	10.0	19.7	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7541	0.8806		11.7	10.0	16.8	35.0
Chlorobenzene	Ave	2.403	2.450	0.3000	10.2	10.0	1.9	35.0
Ethylbenzene	Ave	1.371	1.479		10.8	10.0	7.9	20.0
m-Xylene & p-Xylene	Ave	2.923	3.353		11.5	10.0	14.7	35.0
Bromoform	Ave	0.2101	0.2104	0.1000	10.0	10.0	0.2	35.0
Styrene	Ave	1.994	2.087		10.5	10.0	4.7	35.0
Cyclohexanone	Ave	0.0054	0.0063		591	500	18.2	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3747	0.3724	0.3000	9.94	10.0	-0.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-176006/2 Calibration Date: 11/10/2015 10:12
 Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00
 Lab File ID: A31401.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.498	1.690		11.3	10.0	12.8	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0799	0.0861		10.8	10.0	7.7	50.0
1,2,3-Trichloropropane	Ave	0.1186	0.1119		9.44	10.0	-5.6	35.0
Isopropylbenzene	Ave	4.017	4.466		11.1	10.0	11.2	35.0
Bromobenzene	Ave	0.8196	0.8594		10.5	10.0	4.9	35.0
N-Propylbenzene	Ave	1.200	1.337		11.1	10.0	11.4	35.0
2-Chlorotoluene	Ave	1.039	1.132		10.9	10.0	9.0	35.0
4-Chlorotoluene	Ave	2.694	3.106		11.5	10.0	15.3	35.0
1,3,5-Trimethylbenzene	Ave	3.271	3.818		11.7	10.0	16.7	35.0
tert-Butylbenzene	Ave	2.901	3.502		12.1	10.0	20.7	35.0
1,2,4-Trimethylbenzene	Ave	3.317	3.865		11.7	10.0	16.5	35.0
sec-Butylbenzene	Ave	4.093	4.917		12.0	10.0	20.1	35.0
Benzyl chloride	Ave	0.4959	0.5941		12.0	10.0	19.8	35.0
1,3-Dichlorobenzene	Ave	1.954	2.146		11.0	10.0	9.8	35.0
1,4-Dichlorobenzene	Ave	1.949	2.145		11.0	10.0	10.1	35.0
p-Isopropyltoluene	Ave	3.850	4.775		12.4	10.0	24.0	35.0
1,2,3-Trimethylbenzene	Ave	3.243	3.728		11.5	10.0	15.0	35.0
1,2-Dichlorobenzene	Ave	1.568	1.717		11.0	10.0	9.5	35.0
n-Butylbenzene	Ave	3.082	3.855		12.5	10.0	25.1	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0620	0.0659		10.6	10.0	6.2	35.0
1,3,5-Trichlorobenzene	Ave	1.196	1.290		10.8	10.0	7.8	35.0
1,2,4-Trichlorobenzene	Ave	0.8216	0.8439		10.3	10.0	2.7	35.0
Naphthalene	Ave	1.081	1.061		9.81	10.0	-1.9	35.0
Hexachlorobutadiene	Ave	0.2394	0.2916		12.2	10.0	21.8	35.0
1,2,3-Trichlorobenzene	Ave	0.5760	0.5995		10.4	10.0	4.1	35.0
Dibromofluoromethane	Ave	0.2589	0.2716		10.5	10.0	4.9	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1786	0.1986		11.1	10.0	11.2	35.0
Toluene-d8 (Surr)	Ave	3.136	3.244		10.3	10.0	3.4	35.0
4-Bromofluorobenzene	Ave	0.9260	0.9577		10.3	10.0	3.4	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176120/2 Calibration Date: 11/11/2015 09:22

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31501.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1841	0.2684		14.6	10.0	45.8*	35.0
Chloromethane	Ave	0.1701	0.1666	0.1000	9.80	10.0	-2.0	35.0
Vinyl chloride	Ave	0.2058	0.1968		9.56	10.0	-4.4	20.0
Butadiene	Ave	0.2229	0.2467		11.1	10.0	10.7	35.0
Ethylene oxide	Lin1		0.0098		90.3	100	-9.7	35.0
Bromomethane	Ave	0.1470	0.1280		8.71	10.0	-12.9	35.0
Chloroethane	Ave	0.1283	0.1113		8.68	10.0	-13.2	35.0
Dichlorofluoromethane	Ave	0.3457	0.3346		9.68	10.0	-3.2	35.0
Acetonitrile	Qua		0.0084		86.4	100	-13.6	50.0
Acrolein	Ave	0.0082	0.0068		41.5	50.0	-16.9	50.0
Trichlorofluoromethane	Ave	0.4552	0.4823		10.6	10.0	6.0	35.0
Isopropyl alcohol	Lin1		0.0031		107	100	6.5	50.0
Acetone	Lin2		0.0236		20.6	20.0	3.0	35.0
Ethyl ether	Ave	0.1417	0.1164		8.21	10.0	-17.9	35.0
t-Butanol	Ave	0.0071	0.0064		90.0	100	-10.0	35.0
1,1-Dichloroethene	Ave	0.2923	0.2800		9.58	10.0	-4.2	20.0
Acrylonitrile	Ave	0.0265	0.0241		90.8	100	-9.2	50.0
Iodomethane	Lin		0.3161		9.58	10.0	-4.2	35.0
Methylene Chloride	Lin1		0.2423		7.63	10.0	-23.7	50.0
Methyl acetate	Ave	0.1058	0.0936		44.2	50.0	-11.6	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2949	0.3026		10.3	10.0	2.6	35.0
3-Chloro-1-propene	Ave	0.1674	0.1505		8.99	10.0	-10.1	35.0
Carbon disulfide	Ave	0.8942	0.8356		9.35	10.0	-6.5	35.0
trans-1,2-Dichloroethene	Ave	0.3330	0.3048		9.16	10.0	-8.4	35.0
Methyl tert-butyl ether	Ave	0.4069	0.3548		8.72	10.0	-12.8	35.0
Propionitrile	Ave	0.0110	0.0091		83.0	100	-17.0	35.0
1,1-Dichloroethane	Ave	0.5790	0.5594	0.1000	9.66	10.0	-3.4	35.0
Vinyl acetate	Ave	0.1535	0.1357		17.7	20.0	-11.6	50.0
2-Chloro-1,3-butadiene	Ave	0.4640	0.5114		11.0	10.0	10.2	35.0
Hexane	Ave	0.4599	0.4764		10.4	10.0	3.6	35.0
Isopropyl ether	Ave	0.8807	0.8568		9.73	10.0	-2.7	35.0
2-Butanone (MEK)	Ave	0.0110	0.0100		18.2	20.0	-9.1	50.0
Methacrylonitrile	Ave	0.0131	0.0115		88.0	100	-12.0	35.0
cis-1,2-Dichloroethene	Ave	0.3526	0.3182		9.02	10.0	-9.8	35.0
Ethyl acetate	Ave	0.0142	0.0109		15.4	20.0	-23.1	35.0
Bromochloromethane	Ave	0.1209	0.1123		9.29	10.0	-7.1	35.0
Chloroform	Ave	0.5094	0.5271		10.4	10.0	3.5	20.0
Isobutyl alcohol	Ave	0.0042	0.0042		249	250	-0.3	50.0
Tert-butyl ethyl ether	Ave	0.6328	0.5928		9.37	10.0	-6.3	35.0
2,2-Dichloropropane	Ave	0.4522	0.5191		11.5	10.0	14.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176120/2 Calibration Date: 11/11/2015 09:22

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31501.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0196		15.9	20.0	-20.5	35.0
1,2-Dichloroethane	Ave	0.2350	0.2481		10.6	10.0	5.6	35.0
1,1,1-Trichloroethane	Ave	0.5003	0.5791		11.6	10.0	15.7	35.0
1,1-Dichloropropene	Ave	0.4055	0.4114		10.1	10.0	1.4	35.0
Cyclohexane	Ave	0.4862	0.4799		9.87	10.0	-1.3	35.0
Carbon tetrachloride	Ave	0.4432	0.5306		12.0	10.0	19.7	35.0
Benzene	Ave	1.238	1.145		9.25	10.0	-7.5	35.0
2-Nitropropane	Ave	0.0790	0.0747		18.9	20.0	-5.4	35.0
Tert-amyl methyl ether	Ave	0.4448	0.3907		8.79	10.0	-12.1	35.0
Isooctane	Ave	0.9099	0.9263		10.2	10.0	1.8	35.0
Ethyl acrylate	Ave	0.1952	0.2218		11.4	10.0	13.6	35.0
n-Heptane	Ave	0.4194	0.4553		10.9	10.0	8.6	35.0
Dibromomethane	Ave	0.0945	0.0849		8.98	10.0	-10.2	35.0
1,2-Dichloropropane	Ave	0.2723	0.2458		9.03	10.0	-9.7	20.0
Trichloroethene	Ave	0.4200	0.3831		9.12	10.0	-8.8	35.0
Bromodichloromethane	Ave	0.2967	0.3145		10.6	10.0	6.0	35.0
1,4-Dioxane	Lin1		0.0005		211	200	5.2	50.0
2-Chloroethyl vinyl ether	Ave	0.2785	0.2209		15.9	20.0	-20.7	35.0
Methyl methacrylate	Ave	0.1066	0.1205		22.6	20.0	13.0	50.0
Methylcyclohexane	Ave	0.4999	0.5020		10.0	10.0	0.4	35.0
cis-1,3-Dichloropropene	Ave	1.002	0.9946		9.93	10.0	-0.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0793	0.0716		18.1	20.0	-9.7	50.0
trans-1,3-Dichloropropene	Ave	0.6692	0.6675		9.98	10.0	-0.3	35.0
1,1,2-Trichloroethane	Ave	0.3972	0.3729		9.39	10.0	-6.1	35.0
Ethyl methacrylate	Ave	0.4080	0.3870		9.49	10.0	-5.2	50.0
Toluene	Ave	2.408	2.391		9.93	10.0	-0.7	20.0
1,3-Dichloropropane	Ave	0.7236	0.7072		9.77	10.0	-2.3	35.0
2-Hexanone	Ave	0.1401	0.1352		19.3	20.0	-3.5	50.0
Chlorodibromomethane	Ave	0.4904	0.4989		10.2	10.0	1.7	35.0
n-Butyl acetate	Ave	0.0995	0.0759		7.62	10.0	-23.8	35.0
Ethylene Dibromide	Ave	0.3541	0.3308		9.34	10.0	-6.6	35.0
Tetrachloroethene	Ave	0.8511	0.8590		10.1	10.0	0.9	35.0
1-Chlorohexane	Ave	0.8212	0.9245		11.3	10.0	12.6	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7541	0.8104		10.8	10.0	7.5	35.0
Chlorobenzene	Ave	2.403	2.308	0.3000	9.60	10.0	-4.0	35.0
Ethylbenzene	Ave	1.371	1.405		10.3	10.0	2.5	20.0
m-Xylene & p-Xylene	Ave	2.923	3.119		10.7	10.0	6.7	35.0
Bromoform	Ave	0.2101	0.2029	0.1000	9.66	10.0	-3.4	35.0
Styrene	Ave	1.994	1.949		9.77	10.0	-2.3	35.0
Cyclohexanone	Ave	0.0054	0.0057		533	500	6.6	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3747	0.3483	0.3000	9.30	10.0	-7.0	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-176120/2 Calibration Date: 11/11/2015 09:22
 Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00
 Lab File ID: A31501.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.498	1.570		10.5	10.0	4.8	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0799	0.0799		9.99	10.0	-0.0	50.0
1,2,3-Trichloropropane	Ave	0.1186	0.1070		9.02	10.0	-9.8	35.0
Isopropylbenzene	Ave	4.017	4.224		10.5	10.0	5.2	35.0
Bromobenzene	Ave	0.8196	0.8085		9.87	10.0	-1.3	35.0
N-Propylbenzene	Ave	1.200	1.249		10.4	10.0	4.1	35.0
2-Chlorotoluene	Ave	1.039	1.075		10.3	10.0	3.4	35.0
4-Chlorotoluene	Ave	2.694	2.884		10.7	10.0	7.1	35.0
1,3,5-Trimethylbenzene	Ave	3.271	3.580		10.9	10.0	9.4	35.0
tert-Butylbenzene	Ave	2.901	3.276		11.3	10.0	12.9	35.0
1,2,4-Trimethylbenzene	Ave	3.317	3.657		11.0	10.0	10.2	35.0
sec-Butylbenzene	Ave	4.093	4.625		11.3	10.0	13.0	35.0
Benzyl chloride	Ave	0.4959	0.5815		11.7	10.0	17.3	35.0
1,3-Dichlorobenzene	Ave	1.954	2.025		10.4	10.0	3.7	35.0
1,4-Dichlorobenzene	Ave	1.949	2.020		10.4	10.0	3.7	35.0
p-Isopropyltoluene	Ave	3.850	4.406		11.4	10.0	14.4	35.0
1,2,3-Trimethylbenzene	Ave	3.243	3.491		10.8	10.0	7.7	35.0
1,2-Dichlorobenzene	Ave	1.568	1.613		10.3	10.0	2.8	35.0
n-Butylbenzene	Ave	3.082	3.618		11.7	10.0	17.4	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0620	0.0565		9.10	10.0	-9.0	35.0
1,3,5-Trichlorobenzene	Ave	1.196	1.238		10.4	10.0	3.5	35.0
1,2,4-Trichlorobenzene	Ave	0.8216	0.8198		9.98	10.0	-0.2	35.0
Naphthalene	Ave	1.081	0.9922		9.18	10.0	-8.2	35.0
Hexachlorobutadiene	Ave	0.2394	0.2790		11.7	10.0	16.5	35.0
1,2,3-Trichlorobenzene	Ave	0.5760	0.5610		9.74	10.0	-2.6	35.0
Dibromofluoromethane	Ave	0.2589	0.2512		9.70	10.0	-3.0	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1786	0.1845		10.3	10.0	3.3	35.0
Toluene-d8 (Surr)	Ave	3.136	3.087		9.84	10.0	-1.6	35.0
4-Bromofluorobenzene	Ave	0.9260	0.9034		9.76	10.0	-2.4	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176238/2 Calibration Date: 11/12/2015 10:43

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31601A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1841	0.2672		14.5	10.0	45.2*	35.0
Chloromethane	Ave	0.1701	0.1698	0.1000	9.99	10.0	-0.1	35.0
Vinyl chloride	Ave	0.2058	0.2007		9.75	10.0	-2.5	20.0
Butadiene	Ave	0.2229	0.2542		11.4	10.0	14.0	35.0
Ethylene oxide	Lin1		0.0095		87.6	100	-12.4	35.0
Bromomethane	Ave	0.1470	0.1395		9.49	10.0	-5.1	35.0
Chloroethane	Ave	0.1283	0.1129		8.80	10.0	-12.0	35.0
Dichlorofluoromethane	Ave	0.3457	0.3475		10.1	10.0	0.5	35.0
Acetonitrile	Qua		0.0080		81.9	100	-18.1	50.0
Acrolein	Ave	0.0082	0.0062		38.1	50.0	-23.9	50.0
Trichlorofluoromethane	Ave	0.4552	0.5072		11.1	10.0	11.4	35.0
Isopropyl alcohol	Lin1		0.0034		117	100	17.1	50.0
Acetone	Lin2		0.0238		20.8	20.0	3.9	35.0
Ethyl ether	Ave	0.1417	0.1254		8.85	10.0	-11.5	35.0
t-Butanol	Ave	0.0071	0.0068		96.5	100	-3.5	35.0
1,1-Dichloroethene	Ave	0.2923	0.3010		10.3	10.0	3.0	20.0
Acrylonitrile	Ave	0.0265	0.0253		95.7	100	-4.3	50.0
Iodomethane	Lin		0.3280		9.88	10.0	-1.2	35.0
Methylene Chloride	Lin1		0.2409		7.57	10.0	-24.3	50.0
Methyl acetate	Ave	0.1058	0.0971		45.9	50.0	-8.2	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2949	0.3266		11.1	10.0	10.7	35.0
3-Chloro-1-propene	Ave	0.1674	0.1622		9.68	10.0	-3.2	35.0
Carbon disulfide	Ave	0.8942	0.8927		9.98	10.0	-0.2	35.0
trans-1,2-Dichloroethene	Ave	0.3330	0.3338		10.0	10.0	0.3	35.0
Methyl tert-butyl ether	Ave	0.4069	0.3669		9.02	10.0	-9.8	35.0
Propionitrile	Ave	0.0110	0.0101		91.4	100	-8.6	35.0
1,1-Dichloroethane	Ave	0.5790	0.5897	0.1000	10.2	10.0	1.8	35.0
Vinyl acetate	Ave	0.1535	0.1391		18.1	20.0	-9.4	50.0
2-Chloro-1,3-butadiene	Ave	0.4640	0.5557		12.0	10.0	19.8	35.0
Hexane	Ave	0.4599	0.4964		10.8	10.0	7.9	35.0
2-Butanone (MEK)	Ave	0.0110	0.0101		18.3	20.0	-8.3	50.0
Isopropyl ether	Ave	0.8807	0.9073		10.3	10.0	3.0	35.0
Methacrylonitrile	Ave	0.0131	0.0120		91.4	100	-8.6	35.0
cis-1,2-Dichloroethene	Ave	0.3526	0.3399		9.64	10.0	-3.6	35.0
Ethyl acetate	Ave	0.0142	0.0126		17.7	20.0	-11.5	35.0
Bromochloromethane	Ave	0.1209	0.1179		9.75	10.0	-2.5	35.0
Chloroform	Ave	0.5094	0.5705		11.2	10.0	12.0	20.0
Tert-butyl ethyl ether	Ave	0.6328	0.6145		9.71	10.0	-2.9	35.0
Isobutyl alcohol	Ave	0.0042	0.0043		256	250	2.4	50.0
2,2-Dichloropropane	Ave	0.4522	0.5454		12.1	10.0	20.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176238/2 Calibration Date: 11/12/2015 10:43

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31601A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0210		17.1	20.0	-14.7	35.0
1,2-Dichloroethane	Ave	0.2350	0.2600		11.1	10.0	10.6	35.0
1,1,1-Trichloroethane	Ave	0.5003	0.6201		12.4	10.0	23.9	35.0
1,1-Dichloropropene	Ave	0.4055	0.4368		10.8	10.0	7.7	35.0
Cyclohexane	Ave	0.4862	0.5010		10.3	10.0	3.0	35.0
Carbon tetrachloride	Ave	0.4432	0.5783		13.1	10.0	30.5	35.0
Benzene	Ave	1.238	1.212		9.79	10.0	-2.1	35.0
2-Nitropropane	Ave	0.0790	0.0770		19.5	20.0	-2.4	35.0
Tert-amyl methyl ether	Ave	0.4448	0.4011		9.02	10.0	-9.8	35.0
Isooctane	Ave	0.9099	0.9420		10.4	10.0	3.5	35.0
Ethyl acrylate	Ave	0.1952	0.1930		9.89	10.0	-1.1	35.0
n-Heptane	Ave	0.4194	0.4645		11.1	10.0	10.8	35.0
Dibromomethane	Ave	0.0945	0.0904		9.56	10.0	-4.4	35.0
1,2-Dichloropropane	Ave	0.2723	0.2570		9.44	10.0	-5.6	20.0
Trichloroethene	Ave	0.4200	0.4129		9.83	10.0	-1.7	35.0
Bromodichloromethane	Ave	0.2967	0.3159		10.6	10.0	6.4	35.0
1,4-Dioxane	Lin1		0.0006		255	200	27.2	50.0
2-Chloroethyl vinyl ether	Ave	0.2785	0.2271		16.3	20.0	-18.4	35.0
Methyl methacrylate	Ave	0.1066	0.1253		23.5	20.0	17.6	50.0
Methylcyclohexane	Ave	0.4999	0.5278		10.6	10.0	5.6	35.0
cis-1,3-Dichloropropene	Ave	1.002	1.030		10.3	10.0	2.8	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0793	0.0720		18.2	20.0	-9.1	50.0
trans-1,3-Dichloropropene	Ave	0.6692	0.7006		10.5	10.0	4.7	35.0
1,1,2-Trichloroethane	Ave	0.3972	0.3972		10.0	10.0	0.0	35.0
Ethyl methacrylate	Ave	0.4080	0.3755		9.20	10.0	-8.0	50.0
Toluene	Ave	2.408	2.520		10.5	10.0	4.6	20.0
1,3-Dichloropropane	Ave	0.7236	0.7239		10.0	10.0	0.0	35.0
2-Hexanone	Ave	0.1401	0.1335		19.1	20.0	-4.7	50.0
Chlorodibromomethane	Ave	0.4904	0.5233		10.7	10.0	6.7	35.0
n-Butyl acetate	Ave	0.0995	0.0831		8.34	10.0	-16.6	35.0
Ethylene Dibromide	Ave	0.3541	0.3395		9.59	10.0	-4.1	35.0
Tetrachloroethene	Ave	0.8511	0.8998		10.6	10.0	5.7	35.0
1-Chlorohexane	Ave	0.8212	0.9874		12.0	10.0	20.2	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7541	0.8330		11.1	10.0	10.5	35.0
Chlorobenzene	Ave	2.403	2.393	0.3000	9.96	10.0	-0.4	35.0
Ethylbenzene	Ave	1.371	1.433		10.5	10.0	4.5	20.0
m-Xylene & p-Xylene	Ave	2.923	3.311		11.3	10.0	13.3	35.0
Bromoform	Ave	0.2101	0.2074	0.1000	9.87	10.0	-1.3	35.0
Styrene	Ave	1.994	2.067		10.4	10.0	3.7	35.0
Cyclohexanone	Ave	0.0054	0.0062		582	500	16.3	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3747	0.3659	0.3000	9.76	10.0	-2.4	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-176238/2 Calibration Date: 11/12/2015 10:43
 Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00
 Lab File ID: A31601A.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.498	1.654		11.0	10.0	10.4	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0799	0.0843		10.5	10.0	5.4	50.0
1,2,3-Trichloropropane	Ave	0.1186	0.1120		9.44	10.0	-5.6	35.0
Isopropylbenzene	Ave	4.017	4.555		11.3	10.0	13.4	35.0
Bromobenzene	Ave	0.8196	0.8779		10.7	10.0	7.1	35.0
N-Propylbenzene	Ave	1.200	1.346		11.2	10.0	12.1	35.0
2-Chlorotoluene	Ave	1.039	1.157		11.1	10.0	11.4	35.0
4-Chlorotoluene	Ave	2.694	3.101		11.5	10.0	15.1	35.0
1,3,5-Trimethylbenzene	Ave	3.271	3.889		11.9	10.0	18.9	35.0
tert-Butylbenzene	Ave	2.901	3.521		12.1	10.0	21.4	35.0
1,2,4-Trimethylbenzene	Ave	3.317	3.938		11.9	10.0	18.7	35.0
sec-Butylbenzene	Ave	4.093	4.972		12.2	10.0	21.5	35.0
Benzyl chloride	Ave	0.4959	0.5791		11.7	10.0	16.8	35.0
1,3-Dichlorobenzene	Ave	1.954	2.121		10.9	10.0	8.6	35.0
1,4-Dichlorobenzene	Ave	1.949	2.100		10.8	10.0	7.7	35.0
p-Isopropyltoluene	Ave	3.850	4.755		12.4	10.0	23.5	35.0
1,2,3-Trimethylbenzene	Ave	3.243	3.741		11.5	10.0	15.4	35.0
1,2-Dichlorobenzene	Ave	1.568	1.724		11.0	10.0	10.0	35.0
n-Butylbenzene	Ave	3.082	3.898		12.7	10.0	26.5	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0620	0.0599		9.65	10.0	-3.5	35.0
1,3,5-Trichlorobenzene	Ave	1.196	1.314		11.0	10.0	9.9	35.0
1,2,4-Trichlorobenzene	Ave	0.8216	0.8403		10.2	10.0	2.3	35.0
Naphthalene	Ave	1.081	1.019		9.42	10.0	-5.8	35.0
Hexachlorobutadiene	Ave	0.2394	0.2937		12.3	10.0	22.7	35.0
1,2,3-Trichlorobenzene	Ave	0.5760	0.5968		10.4	10.0	3.6	35.0
Dibromofluoromethane	Ave	0.2589	0.2701		10.4	10.0	4.3	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1786	0.1946		10.9	10.0	9.0	35.0
Toluene-d8 (Surr)	Ave	3.136	3.280		10.5	10.0	4.6	35.0
4-Bromofluorobenzene	Ave	0.9260	0.9597		10.4	10.0	3.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176357/2 Calibration Date: 11/13/2015 09:14

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31701.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1841	0.2778		15.1	10.0	50.9*	35.0
Chloromethane	Ave	0.1701	0.1776	0.1000	10.5	10.0	4.5	35.0
Vinyl chloride	Ave	0.2058	0.2007		9.75	10.0	-2.5	20.0
Butadiene	Ave	0.2229	0.2657		11.9	10.0	19.2	35.0
Ethylene oxide	Lin1		0.0102		94.5	100	-5.5	35.0
Bromomethane	Ave	0.1470	0.1318		8.97	10.0	-10.3	35.0
Chloroethane	Ave	0.1283	0.1183		9.23	10.0	-7.8	35.0
Dichlorofluoromethane	Ave	0.3457	0.3602		10.4	10.0	4.2	35.0
Acetonitrile	Qua		0.0078		80.2	100	-19.8	50.0
Acrolein	Ave	0.0082	0.0067		41.0	50.0	-18.0	50.0
Trichlorofluoromethane	Ave	0.4552	0.5305		11.7	10.0	16.5	35.0
Isopropyl alcohol	Lin1		0.0037		127	100	26.5	50.0
Acetone	Lin2		0.0260		22.8	20.0	13.8	35.0
Ethyl ether	Ave	0.1417	0.1356		9.57	10.0	-4.3	35.0
t-Butanol	Ave	0.0071	0.0073		103	100	3.1	35.0
1,1-Dichloroethene	Ave	0.2923	0.3037		10.4	10.0	3.9	20.0
Acrylonitrile	Ave	0.0265	0.0271		102	100	2.1	50.0
Iodomethane	Lin		0.3192		9.66	10.0	-3.5	35.0
Methylene Chloride	Lin1		0.2508		7.98	10.0	-20.2	50.0
Methyl acetate	Ave	0.1058	0.1057		50.0	50.0	-0.0	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2949	0.3254		11.0	10.0	10.3	35.0
3-Chloro-1-propene	Ave	0.1674	0.1684		10.1	10.0	0.6	35.0
Carbon disulfide	Ave	0.8942	0.9039		10.1	10.0	1.1	35.0
trans-1,2-Dichloroethene	Ave	0.3330	0.3350		10.1	10.0	0.6	35.0
Methyl tert-butyl ether	Ave	0.4069	0.4120		10.1	10.0	1.3	35.0
Propionitrile	Ave	0.0110	0.0106		96.3	100	-3.7	35.0
1,1-Dichloroethane	Ave	0.5790	0.6091	0.1000	10.5	10.0	5.2	35.0
Vinyl acetate	Ave	0.1535	0.1551		20.2	20.0	1.0	50.0
2-Chloro-1,3-butadiene	Ave	0.4640	0.5718		12.3	10.0	23.2	35.0
Hexane	Ave	0.4599	0.5018		10.9	10.0	9.1	35.0
2-Butanone (MEK)	Ave	0.0110	0.0113		20.4	20.0	1.9	50.0
Isopropyl ether	Ave	0.8807	0.9639		10.9	10.0	9.4	35.0
Methacrylonitrile	Ave	0.0131	0.0134		102	100	2.3	35.0
cis-1,2-Dichloroethene	Ave	0.3526	0.3462		9.82	10.0	-1.8	35.0
Ethyl acetate	Ave	0.0142	0.0130		18.3	20.0	-8.7	35.0
Bromochloromethane	Ave	0.1209	0.1248		10.3	10.0	3.3	35.0
Chloroform	Ave	0.5094	0.5848		11.5	10.0	14.8	20.0
Isobutyl alcohol	Ave	0.0042	0.0047		282	250	12.6	50.0
Tert-butyl ethyl ether	Ave	0.6328	0.6578		10.4	10.0	3.9	35.0
2,2-Dichloropropane	Ave	0.4522	0.5730		12.7	10.0	26.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: CCVIS 600-176357/2 Calibration Date: 11/13/2015 09:14

Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00

Lab File ID: A31701.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0230		18.8	20.0	-6.3	35.0
1,2-Dichloroethane	Ave	0.2350	0.2748		11.7	10.0	16.9	35.0
1,1,1-Trichloroethane	Ave	0.5003	0.6384		12.8	10.0	27.6	35.0
1,1-Dichloropropene	Ave	0.4055	0.4406		10.9	10.0	8.7	35.0
Cyclohexane	Ave	0.4862	0.5156		10.6	10.0	6.1	35.0
Carbon tetrachloride	Ave	0.4432	0.5901		13.3	10.0	33.1	35.0
Benzene	Ave	1.238	1.253		10.1	10.0	1.2	35.0
2-Nitropropane	Ave	0.0790	0.0830		21.0	20.0	5.1	35.0
Tert-amyl methyl ether	Ave	0.4448	0.4450		10.0	10.0	0.0	35.0
Isooctane	Ave	0.9099	0.9669		10.6	10.0	6.3	35.0
Ethyl acrylate	Ave	0.1952	0.1973		10.1	10.0	1.1	35.0
n-Heptane	Ave	0.4194	0.4844		11.6	10.0	15.5	35.0
Dibromomethane	Ave	0.0945	0.0948		10.0	10.0	0.3	35.0
1,2-Dichloropropane	Ave	0.2723	0.2657		9.76	10.0	-2.4	20.0
Trichloroethene	Ave	0.4200	0.4182		9.96	10.0	-0.4	35.0
Bromodichloromethane	Ave	0.2967	0.3496		11.8	10.0	17.8	35.0
1,4-Dioxane	Lin1		0.0005		235	200	17.5	50.0
2-Chloroethyl vinyl ether	Ave	0.2785	0.2380		17.1	20.0	-14.5	35.0
Methyl methacrylate	Ave	0.1066	0.1285		24.1	20.0	20.5	50.0
Methylcyclohexane	Ave	0.4999	0.5420		10.8	10.0	8.4	35.0
cis-1,3-Dichloropropene	Ave	1.002	1.069		10.7	10.0	6.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0793	0.0808		20.4	20.0	2.0	50.0
trans-1,3-Dichloropropene	Ave	0.6692	0.7470		11.2	10.0	11.6	35.0
1,1,2-Trichloroethane	Ave	0.3972	0.4193		10.6	10.0	5.6	35.0
Ethyl methacrylate	Ave	0.4080	0.4108		10.1	10.0	0.7	50.0
Toluene	Ave	2.408	2.553		10.6	10.0	6.0	20.0
1,3-Dichloropropane	Ave	0.7236	0.7596		10.5	10.0	5.0	35.0
2-Hexanone	Ave	0.1401	0.1504		21.5	20.0	7.4	50.0
Chlorodibromomethane	Ave	0.4904	0.5706		11.6	10.0	16.4	35.0
n-Butyl acetate	Ave	0.0995	0.0867		8.71	10.0	-12.9	35.0
Ethylene Dibromide	Ave	0.3541	0.3585		10.1	10.0	1.2	35.0
Tetrachloroethene	Ave	0.8511	0.9217		10.8	10.0	8.3	35.0
1-Chlorohexane	Ave	0.8212	1.032		12.6	10.0	25.6	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7541	0.8708		11.6	10.0	15.5	35.0
Chlorobenzene	Ave	2.403	2.504	0.3000	10.4	10.0	4.2	35.0
Ethylbenzene	Ave	1.371	1.496		10.9	10.0	9.1	20.0
m-Xylene & p-Xylene	Ave	2.923	3.455		11.8	10.0	18.2	35.0
Bromoform	Ave	0.2101	0.2235	0.1000	10.6	10.0	6.4	35.0
Styrene	Ave	1.994	2.190		11.0	10.0	9.8	35.0
Cyclohexanone	Ave	0.0054	0.0065		610	500	22.0	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3747	0.3982	0.3000	10.6	10.0	6.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-176357/2 Calibration Date: 11/13/2015 09:14
 Instrument ID: CHVOAMS07 Calib Start Date: 10/26/2015 11:27
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/26/2015 14:00
 Lab File ID: A31701.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	1.498	1.744		11.6	10.0	16.4	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0799	0.0954		11.9	10.0	19.4	50.0
1,2,3-Trichloropropane	Ave	0.1186	0.1251		10.6	10.0	5.5	35.0
Isopropylbenzene	Ave	4.017	4.523		11.3	10.0	12.6	35.0
Bromobenzene	Ave	0.8196	0.8897		10.9	10.0	8.6	35.0
N-Propylbenzene	Ave	1.200	1.361		11.3	10.0	13.4	35.0
2-Chlorotoluene	Ave	1.039	1.138		11.0	10.0	9.6	35.0
4-Chlorotoluene	Ave	2.694	3.175		11.8	10.0	17.9	35.0
1,3,5-Trimethylbenzene	Ave	3.271	3.861		11.8	10.0	18.0	35.0
tert-Butylbenzene	Ave	2.901	3.515		12.1	10.0	21.2	35.0
1,2,4-Trimethylbenzene	Ave	3.317	3.962		11.9	10.0	19.4	35.0
sec-Butylbenzene	Ave	4.093	4.960		12.1	10.0	21.2	35.0
Benzyl chloride	Ave	0.4959	0.6614		13.3	10.0	33.4	35.0
1,3-Dichlorobenzene	Ave	1.954	2.213		11.3	10.0	13.3	35.0
1,4-Dichlorobenzene	Ave	1.949	2.201		11.3	10.0	13.0	35.0
p-Isopropyltoluene	Ave	3.850	4.818		12.5	10.0	25.2	35.0
1,2,3-Trimethylbenzene	Ave	3.243	3.799		11.7	10.0	17.2	35.0
1,2-Dichlorobenzene	Ave	1.568	1.785		11.4	10.0	13.8	35.0
n-Butylbenzene	Ave	3.082	3.894		12.6	10.0	26.4	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0620	0.0631		10.2	10.0	1.7	35.0
1,3,5-Trichlorobenzene	Ave	1.196	1.358		11.4	10.0	13.5	35.0
1,2,4-Trichlorobenzene	Ave	0.8216	0.9163		11.2	10.0	11.5	35.0
Naphthalene	Ave	1.081	1.134		10.5	10.0	4.9	35.0
Hexachlorobutadiene	Ave	0.2394	0.2971		12.4	10.0	24.1	35.0
1,2,3-Trichlorobenzene	Ave	0.5760	0.6551		11.4	10.0	13.7	35.0
Dibromofluoromethane	Ave	0.2589	0.2805		10.8	10.0	8.3	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1786	0.2065		11.6	10.0	15.7	35.0
Toluene-d8 (Surr)	Ave	3.136	3.305		10.5	10.0	5.4	35.0
4-Bromofluorobenzene	Ave	0.9260	0.9888		10.7	10.0	6.8	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-175890/6
 Matrix: Water Lab File ID: A31305.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 12:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-175890/6
 Matrix: Water Lab File ID: A31305.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 12:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-176006/6
 Matrix: Water Lab File ID: A31405.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 12:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-176006/6
 Matrix: Water Lab File ID: A31405.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 12:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	96		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		50-134
2037-26-5	Toluene-d8 (Surr)	114		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-176120/6

Matrix: Water Lab File ID: A31505.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 11:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-176120/6

Matrix: Water Lab File ID: A31505.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 11:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.000129	U	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	99		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-176238/6

Matrix: Water Lab File ID: A31605.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 12:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-176238/6
 Matrix: Water Lab File ID: A31605.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 12:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.0001410	J	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	101		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		50-134
2037-26-5	Toluene-d8 (Surr)	111		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-176357/6
 Matrix: Water Lab File ID: A31705.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 11:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.000176	U	0.00100	0.000176
108-86-1	Bromobenzene	0.000195	U	0.00100	0.000195
74-97-5	Bromochloromethane	0.000162	U	0.00100	0.000162
75-27-4	Bromodichloromethane	0.000153	U	0.00100	0.000153
75-25-2	Bromoform	0.000151	U	0.00100	0.000151
74-83-9	Bromomethane	0.000250	U	0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.000760	U	0.00200	0.000760
56-23-5	Carbon tetrachloride	0.000183	U	0.00100	0.000183
108-90-7	Chlorobenzene	0.000185	U	0.00100	0.000185
124-48-1	Chlorodibromomethane	0.000119	U	0.00100	0.000119
75-00-3	Chloroethane	0.000240	U	0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.000151	U	0.00100	0.000151
74-87-3	Chloromethane	0.000209	U	0.00200	0.000209
95-49-8	2-Chlorotoluene	0.000226	U	0.00100	0.000226
106-43-4	4-Chlorotoluene	0.000210	U	0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.000157	U	0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.000160	U	0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.000810	U	0.00100	0.000810
74-95-3	Dibromomethane	0.000520	U	0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.000153	U	0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.000210	U	0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.000176	U	0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.000859	U	0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.000168	U	0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.000116	U	0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.000192	U	0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.000136	U	0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.000220	U	0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.000258	U	0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.000191	U	0.00100	0.000191
100-41-4	Ethylbenzene	0.000212	U	0.00100	0.000212
106-93-4	Ethylene Dibromide	0.000111	U	0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.000215	U	0.00100	0.000215
98-82-8	Isopropylbenzene	0.000241	U	0.00100	0.000241
75-09-2	Methylene Chloride	0.000176	U	0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 600-176357/6
 Matrix: Water Lab File ID: A31705.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 11:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.000105	U	0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.000205	U	0.00100	0.000205
91-20-3	Naphthalene	0.0001662	J	0.00200	0.000129
104-51-8	n-Butylbenzene	0.000212	U	0.00100	0.000212
103-65-1	N-Propylbenzene	0.000230	U	0.00100	0.000230
95-47-6	o-Xylene	0.000192	U	0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.000228	U	0.00100	0.000228
135-98-8	sec-Butylbenzene	0.000224	U	0.00100	0.000224
100-42-5	Styrene	0.000175	U	0.00100	0.000175
98-06-6	tert-Butylbenzene	0.000216	U	0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.000178	U	0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.000197	U	0.00100	0.000197
127-18-4	Tetrachloroethene	0.000333	U	0.00100	0.000333
108-88-3	Toluene	0.000198	U	0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.000192	U	0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.000137	U	0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.000570	U	0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.000177	U	0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.000209	U	0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.000209	U	0.00100	0.000209
79-01-6	Trichloroethene	0.000138	U	0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.000244	U	0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.000290	U	0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.000215	U	0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.000210	U	0.00100	0.000210
75-01-4	Vinyl chloride	0.000248	U	0.00100	0.000248
1330-20-7	Xylenes, Total	0.000366	U	0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	104		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 600-175890/3
 Matrix: Water Lab File ID: A31302.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 11:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.009118		0.00100	0.000176
108-86-1	Bromobenzene	0.01061		0.00100	0.000195
74-97-5	Bromochloromethane	0.009211		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01065		0.00100	0.000153
75-25-2	Bromoform	0.009572		0.00100	0.000151
74-83-9	Bromomethane	0.009384		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01645		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01166		0.00100	0.000183
108-90-7	Chlorobenzene	0.01022		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01070		0.00100	0.000119
75-00-3	Chloroethane	0.008454		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01783		0.00200	0.000500
67-66-3	Chloroform	0.01041		0.00100	0.000151
74-87-3	Chloromethane	0.009907		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01089		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01146		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008680		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01024		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.009699		0.00100	0.000810
74-95-3	Dibromomethane	0.009360		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01076		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01092		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01096		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01443		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.009260		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.01025		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.007824		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009164		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01019		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01122		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009907		0.00100	0.000191
100-41-4	Ethylbenzene	0.01098		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.009616		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01267		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01147		0.00100	0.000241
75-09-2	Methylene Chloride	0.006481		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-175890/3

Matrix: Water Lab File ID: A31302.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 11:06

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.008204		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01160		0.00100	0.000205
91-20-3	Naphthalene	0.01031		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01263		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01124		0.00100	0.000230
95-47-6	o-Xylene	0.01140		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01236		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01203		0.00100	0.000224
100-42-5	Styrene	0.01072		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01198		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01138		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009493		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01073		0.00100	0.000333
108-88-3	Toluene	0.01039		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008615		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01032		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01089		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01078		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01137		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.009643		0.00100	0.000209
79-01-6	Trichloroethene	0.009313		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01031		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009439		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01169		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01173		0.00100	0.000210
75-01-4	Vinyl chloride	0.009631		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02300		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	107		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		50-134
2037-26-5	Toluene-d8 (Surr)	114		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176006/3

Matrix: Water Lab File ID: A31402.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 11:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008584		0.00100	0.000176
108-86-1	Bromobenzene	0.01075		0.00100	0.000195
74-97-5	Bromochloromethane	0.008689		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01003		0.00100	0.000153
75-25-2	Bromoform	0.009929		0.00100	0.000151
74-83-9	Bromomethane	0.008259		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01583		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01123		0.00100	0.000183
108-90-7	Chlorobenzene	0.01022		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01068		0.00100	0.000119
75-00-3	Chloroethane	0.007807		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01601		0.00200	0.000500
67-66-3	Chloroform	0.009962		0.00100	0.000151
74-87-3	Chloromethane	0.009446		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01131		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01189		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008396		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01048		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01051		0.00100	0.000810
74-95-3	Dibromomethane	0.008631		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01107		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01126		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01117		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01315		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008634		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009835		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.007021		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008885		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.009984		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01050		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009383		0.00100	0.000191
100-41-4	Ethylbenzene	0.01091		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.009659		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01279		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01173		0.00100	0.000241
75-09-2	Methylene Chloride	0.006569		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176006/3

Matrix: Water Lab File ID: A31402.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 11:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.007748		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01174		0.00100	0.000205
91-20-3	Naphthalene	0.01035		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01297		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01175		0.00100	0.000230
95-47-6	o-Xylene	0.01130		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01282		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01251		0.00100	0.000224
100-42-5	Styrene	0.01063		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01253		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01148		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009521		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01091		0.00100	0.000333
108-88-3	Toluene	0.01035		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008210		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01065		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01131		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01102		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01070		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.009804		0.00100	0.000209
79-01-6	Trichloroethene	0.008965		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.009568		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009216		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01212		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01218		0.00100	0.000210
75-01-4	Vinyl chloride	0.008695		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02304		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	107		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		50-134
2037-26-5	Toluene-d8 (Surr)	116		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176120/3

Matrix: Water Lab File ID: A31502.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 10:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008489		0.00100	0.000176
108-86-1	Bromobenzene	0.01087		0.00100	0.000195
74-97-5	Bromochloromethane	0.008929		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01064		0.00100	0.000153
75-25-2	Bromoform	0.009917		0.00100	0.000151
74-83-9	Bromomethane	0.008583		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01712		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01106		0.00100	0.000183
108-90-7	Chlorobenzene	0.01020		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01102		0.00100	0.000119
75-00-3	Chloroethane	0.008429		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01643		0.00200	0.000500
67-66-3	Chloroform	0.01014		0.00100	0.000151
74-87-3	Chloromethane	0.009710		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01094		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01151		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008241		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01028		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.009869		0.00100	0.000810
74-95-3	Dibromomethane	0.008775		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01086		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01112		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01072		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01373		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008458		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009995		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.007088		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008986		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01031		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01046		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009198		0.00100	0.000191
100-41-4	Ethylbenzene	0.01085		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.009934		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01247		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01157		0.00100	0.000241
75-09-2	Methylene Chloride	0.005667		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176120/3

Matrix: Water Lab File ID: A31502.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 10:03

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.007735		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01152		0.00100	0.000205
91-20-3	Naphthalene	0.01068		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01264		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01151		0.00100	0.000230
95-47-6	o-Xylene	0.01122		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01237		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01228		0.00100	0.000224
100-42-5	Styrene	0.01083		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01226		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01161		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009851		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01033		0.00100	0.000333
108-88-3	Toluene	0.01001		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007899		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01078		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01108		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01104		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01063		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01022		0.00100	0.000209
79-01-6	Trichloroethene	0.008900		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01021		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.01003		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01195		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01189		0.00100	0.000210
75-01-4	Vinyl chloride	0.009147		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02274		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	108		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134
2037-26-5	Toluene-d8 (Surr)	114		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176238/3

Matrix: Water Lab File ID: A31602A.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 13:09

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008469		0.00100	0.000176
108-86-1	Bromobenzene	0.01106		0.00100	0.000195
74-97-5	Bromochloromethane	0.008704		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01059		0.00100	0.000153
75-25-2	Bromoform	0.009902		0.00100	0.000151
74-83-9	Bromomethane	0.009384		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01629		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01100		0.00100	0.000183
108-90-7	Chlorobenzene	0.01037		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01101		0.00100	0.000119
75-00-3	Chloroethane	0.008537		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01621		0.00200	0.000500
67-66-3	Chloroform	0.01026		0.00100	0.000151
74-87-3	Chloromethane	0.009948		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01134		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01196		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008199		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01016		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.009488		0.00100	0.000810
74-95-3	Dibromomethane	0.009107		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01125		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01148		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01138		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01367		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008478		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009915		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.006714		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009013		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01020		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01047		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009207		0.00100	0.000191
100-41-4	Ethylbenzene	0.01081		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.009903		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01261		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01168		0.00100	0.000241
75-09-2	Methylene Chloride	0.005694		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176238/3

Matrix: Water Lab File ID: A31602A.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 13:09

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.007723		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01166		0.00100	0.000205
91-20-3	Naphthalene	0.01019		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01312		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01180		0.00100	0.000230
95-47-6	o-Xylene	0.01135		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01291		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01264		0.00100	0.000224
100-42-5	Styrene	0.01103		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01263		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01168		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009858		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01028		0.00100	0.000333
108-88-3	Toluene	0.009965		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007915		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01085		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01075		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01091		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01059		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.009998		0.00100	0.000209
79-01-6	Trichloroethene	0.008942		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01042		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.01009		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01223		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01215		0.00100	0.000210
75-01-4	Vinyl chloride	0.009377		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02301		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	110		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-176357/3

Matrix: Water Lab File ID: A31702.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 10:00

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008241		0.00100	0.000176
108-86-1	Bromobenzene	0.01065		0.00100	0.000195
74-97-5	Bromochloromethane	0.008441		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01065		0.00100	0.000153
75-25-2	Bromoform	0.01009		0.00100	0.000151
74-83-9	Bromomethane	0.008464		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01615		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01059		0.00100	0.000183
108-90-7	Chlorobenzene	0.01020		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01130		0.00100	0.000119
75-00-3	Chloroethane	0.008465		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01673		0.00200	0.000500
67-66-3	Chloroform	0.009941		0.00100	0.000151
74-87-3	Chloromethane	0.01003		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01089		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01144		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008145		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01019		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01005		0.00100	0.000810
74-95-3	Dibromomethane	0.009016		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01116		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01107		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01095		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01386		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008096		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009879		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.006522		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008574		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01024		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01024		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.008860		0.00100	0.000191
100-41-4	Ethylbenzene	0.01089		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01011		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01303		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01129		0.00100	0.000241
75-09-2	Methylene Chloride	0.006085		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 600-176357/3
 Matrix: Water Lab File ID: A31702.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 10:00
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.007660		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01141		0.00100	0.000205
91-20-3	Naphthalene	0.01082		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01262		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01138		0.00100	0.000230
95-47-6	o-Xylene	0.01140		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01231		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01221		0.00100	0.000224
100-42-5	Styrene	0.01094		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01225		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01159		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.01000		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01006		0.00100	0.000333
108-88-3	Toluene	0.009872		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007643		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01087		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01133		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01102		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01026		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01000		0.00100	0.000209
79-01-6	Trichloroethene	0.008762		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01055		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.01007		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01183		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01170		0.00100	0.000210
75-01-4	Vinyl chloride	0.009613		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02281		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	109		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		50-134
2037-26-5	Toluene-d8 (Surr)	115		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-175890/4

Matrix: Water Lab File ID: A31303.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 11:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008773		0.00100	0.000176
108-86-1	Bromobenzene	0.01081		0.00100	0.000195
74-97-5	Bromochloromethane	0.009534		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01076		0.00100	0.000153
75-25-2	Bromoform	0.01016		0.00100	0.000151
74-83-9	Bromomethane	0.009890		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01895		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01102		0.00100	0.000183
108-90-7	Chlorobenzene	0.01006		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01138		0.00100	0.000119
75-00-3	Chloroethane	0.009050		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01945		0.00200	0.000500
67-66-3	Chloroform	0.01016		0.00100	0.000151
74-87-3	Chloromethane	0.01059		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01060		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01110		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008725		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01047		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01046		0.00100	0.000810
74-95-3	Dibromomethane	0.009641		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01115		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01084		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01090		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01465		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.009023		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.01059		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.007599		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009219		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01055		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01060		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009137		0.00100	0.000191
100-41-4	Ethylbenzene	0.01049		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01021		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01183		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01079		0.00100	0.000241
75-09-2	Methylene Chloride	0.006385		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-175890/4

Matrix: Water Lab File ID: A31303.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 11:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.009209		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01093		0.00100	0.000205
91-20-3	Naphthalene	0.01161		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01190		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01075		0.00100	0.000230
95-47-6	o-Xylene	0.01091		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01159		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01136		0.00100	0.000224
100-42-5	Styrene	0.01059		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01147		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01110		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.01052		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01008		0.00100	0.000333
108-88-3	Toluene	0.009977		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008366		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01097		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01179		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01137		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01081		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01017		0.00100	0.000209
79-01-6	Trichloroethene	0.008923		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01062		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.01050		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01135		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01108		0.00100	0.000210
75-01-4	Vinyl chloride	0.01034		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02184		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	109		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 600-176006/4
 Matrix: Water Lab File ID: A31403.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 11:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008381		0.00100	0.000176
108-86-1	Bromobenzene	0.01016		0.00100	0.000195
74-97-5	Bromochloromethane	0.008766		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01030		0.00100	0.000153
75-25-2	Bromoform	0.01005		0.00100	0.000151
74-83-9	Bromomethane	0.009252		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01684		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01060		0.00100	0.000183
108-90-7	Chlorobenzene	0.009985		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01093		0.00100	0.000119
75-00-3	Chloroethane	0.008675		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01745		0.00200	0.000500
67-66-3	Chloroform	0.009742		0.00100	0.000151
74-87-3	Chloromethane	0.01051		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01043		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01074		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008240		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01029		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.009628		0.00100	0.000810
74-95-3	Dibromomethane	0.009161		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01060		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01058		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01065		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01447		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008351		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009898		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.007066		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008776		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01023		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01013		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009163		0.00100	0.000191
100-41-4	Ethylbenzene	0.01061		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01004		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01174		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01068		0.00100	0.000241
75-09-2	Methylene Chloride	0.006677		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-176006/4

Matrix: Water Lab File ID: A31403.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/10/2015 11:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176006 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.008144		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01107		0.00100	0.000205
91-20-3	Naphthalene	0.01078		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01168		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01049		0.00100	0.000230
95-47-6	o-Xylene	0.01097		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01147		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01130		0.00100	0.000224
100-42-5	Styrene	0.01064		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01140		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01131		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009733		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01020		0.00100	0.000333
108-88-3	Toluene	0.009762		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007799		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01064		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01090		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01061		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01037		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01016		0.00100	0.000209
79-01-6	Trichloroethene	0.008726		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01042		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009523		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01103		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01095		0.00100	0.000210
75-01-4	Vinyl chloride	0.009832		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02204		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	109		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		50-134
2037-26-5	Toluene-d8 (Surr)	114		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-176120/4

Matrix: Water Lab File ID: A31503.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 10:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008686		0.00100	0.000176
108-86-1	Bromobenzene	0.01097		0.00100	0.000195
74-97-5	Bromochloromethane	0.009169		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01092		0.00100	0.000153
75-25-2	Bromoform	0.01024		0.00100	0.000151
74-83-9	Bromomethane	0.009318		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01851		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01122		0.00100	0.000183
108-90-7	Chlorobenzene	0.01023		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01126		0.00100	0.000119
75-00-3	Chloroethane	0.008592		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01744		0.00200	0.000500
67-66-3	Chloroform	0.01038		0.00100	0.000151
74-87-3	Chloromethane	0.01007		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01123		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01185		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008604		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01061		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01055		0.00100	0.000810
74-95-3	Dibromomethane	0.009431		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01127		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01126		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01116		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01380		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008748		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.01026		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.007007		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009286		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01048		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01045		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009244		0.00100	0.000191
100-41-4	Ethylbenzene	0.01085		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01050		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01293		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01151		0.00100	0.000241
75-09-2	Methylene Chloride	0.006094		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 600-176120/4
 Matrix: Water Lab File ID: A31503.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 10:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.008414		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01143		0.00100	0.000205
91-20-3	Naphthalene	0.01140		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01261		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01160		0.00100	0.000230
95-47-6	o-Xylene	0.01130		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01249		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01223		0.00100	0.000224
100-42-5	Styrene	0.01093		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01235		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01182		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.01033		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01044		0.00100	0.000333
108-88-3	Toluene	0.01014		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008254		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01130		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01188		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01155		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01071		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01033		0.00100	0.000209
79-01-6	Trichloroethene	0.009116		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01032		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009889		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01195		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01192		0.00100	0.000210
75-01-4	Vinyl chloride	0.009636		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02273		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	111		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 600-176238/4
 Matrix: Water Lab File ID: A31603A.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 13:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008142		0.00100	0.000176
108-86-1	Bromobenzene	0.01090		0.00100	0.000195
74-97-5	Bromochloromethane	0.008283		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01057		0.00100	0.000153
75-25-2	Bromoform	0.01006		0.00100	0.000151
74-83-9	Bromomethane	0.009519		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01612		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01043		0.00100	0.000183
108-90-7	Chlorobenzene	0.009948		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01096		0.00100	0.000119
75-00-3	Chloroethane	0.008699		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01663		0.00200	0.000500
67-66-3	Chloroform	0.009709		0.00100	0.000151
74-87-3	Chloromethane	0.01088		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01112		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01158		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.007955		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01001		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.009881		0.00100	0.000810
74-95-3	Dibromomethane	0.008756		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01111		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01124		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01095		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01415		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008149		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009761		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.006628		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008719		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01007		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.009919		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.008880		0.00100	0.000191
100-41-4	Ethylbenzene	0.01034		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.009623		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01204		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01138		0.00100	0.000241
75-09-2	Methylene Chloride	0.005676		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-176238/4

Matrix: Water Lab File ID: A31603A.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 11/12/2015 13:34

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 176238 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.007584		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01131		0.00100	0.000205
91-20-3	Naphthalene	0.01107		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01256		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01154		0.00100	0.000230
95-47-6	o-Xylene	0.01119		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01246		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01207		0.00100	0.000224
100-42-5	Styrene	0.01066		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01238		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01123		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009950		0.00100	0.000197
127-18-4	Tetrachloroethene	0.009769		0.00100	0.000333
108-88-3	Toluene	0.009610		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007656		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01036		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01142		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01084		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.009984		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.009760		0.00100	0.000209
79-01-6	Trichloroethene	0.008874		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01061		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009805		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01185		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01186		0.00100	0.000210
75-01-4	Vinyl chloride	0.009720		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02250		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	108		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 600-176357/4
 Matrix: Water Lab File ID: A31703.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 10:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008155		0.00100	0.000176
108-86-1	Bromobenzene	0.01087		0.00100	0.000195
74-97-5	Bromochloromethane	0.008615		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01074		0.00100	0.000153
75-25-2	Bromoform	0.01054		0.00100	0.000151
74-83-9	Bromomethane	0.009112		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01642		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01050		0.00100	0.000183
108-90-7	Chlorobenzene	0.009923		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01092		0.00100	0.000119
75-00-3	Chloroethane	0.008963		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.01659		0.00200	0.000500
67-66-3	Chloroform	0.009903		0.00100	0.000151
74-87-3	Chloromethane	0.01056		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01113		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01176		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008133		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01009		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01031		0.00100	0.000810
74-95-3	Dibromomethane	0.009011		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01125		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01116		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01117		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01405		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008305		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009918		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.006644		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008832		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.009896		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01020		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.008911		0.00100	0.000191
100-41-4	Ethylbenzene	0.01060		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.009807		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01275		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01150		0.00100	0.000241
75-09-2	Methylene Chloride	0.006031		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 600-176357/4
 Matrix: Water Lab File ID: A31703.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 11/13/2015 10:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176357 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.007770		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01130		0.00100	0.000205
91-20-3	Naphthalene	0.01123		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01267		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01159		0.00100	0.000230
95-47-6	o-Xylene	0.01123		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01253		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01217		0.00100	0.000224
100-42-5	Styrene	0.01064		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01231		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01132		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009936		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01006		0.00100	0.000333
108-88-3	Toluene	0.009635		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007614		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01055		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01178		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01140		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01026		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01011		0.00100	0.000209
79-01-6	Trichloroethene	0.008584		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01094		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009686		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01185		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01180		0.00100	0.000210
75-01-4	Vinyl chloride	0.01015		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02253		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	108		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW32-11032015 MS Lab Sample ID: 600-121181-3 MS
 Matrix: Water Lab File ID: A31314.D
 Analysis Method: 8260B Date Collected: 11/03/2015 13:20
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 16:14
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.009046		0.00100	0.000176
108-86-1	Bromobenzene	0.01044		0.00100	0.000195
74-97-5	Bromochloromethane	0.009105		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01120		0.00100	0.000153
75-25-2	Bromoform	0.01021		0.00100	0.000151
74-83-9	Bromomethane	0.009288		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01914		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01147		0.00100	0.000183
108-90-7	Chlorobenzene	0.01017		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01089		0.00100	0.000119
75-00-3	Chloroethane	0.008426		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.01080		0.00100	0.000151
74-87-3	Chloromethane	0.01102		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01075		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01134		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008791		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01033		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01045		0.00100	0.000810
74-95-3	Dibromomethane	0.009954		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01096		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01084		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01100		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01400		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.009420		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.01107		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.008301		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009483		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01058		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01099		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009584		0.00100	0.000191
100-41-4	Ethylbenzene	0.01062		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01002		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01192		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01093		0.00100	0.000241
75-09-2	Methylene Chloride	0.006089		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1

SDG No.: _____

Client Sample ID: ARTESIA-MW32-11032015 MS Lab Sample ID: 600-121181-3 MS

Matrix: Water Lab File ID: A31314.D

Analysis Method: 8260B Date Collected: 11/03/2015 13:20

Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 16:14

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.009067		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01139		0.00100	0.000205
91-20-3	Naphthalene	0.009916		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01225		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01096		0.00100	0.000230
95-47-6	o-Xylene	0.01127		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01200		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01170		0.00100	0.000224
100-42-5	Styrene	0.007597		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01170		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01131		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.01020		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01143		0.00100	0.000333
108-88-3	Toluene	0.01002		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008272		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01081		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01075		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01064		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01094		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01023		0.00100	0.000209
79-01-6	Trichloroethene	0.009368		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01037		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009620		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01162		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01142		0.00100	0.000210
75-01-4	Vinyl chloride	0.009559		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02266		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	110		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-121181-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW01-11042015 MS</u>	Lab Sample ID: <u>600-121181-28 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>A31510.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>11/04/2015 14:05</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>11/11/2015 13:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>176120</u>	Units: <u>mg/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008658		0.00100	0.000176
108-86-1	Bromobenzene	0.01058		0.00100	0.000195
74-97-5	Bromochloromethane	0.009284		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01112		0.00100	0.000153
75-25-2	Bromoform	0.009822		0.00100	0.000151
74-83-9	Bromomethane	0.006958		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01729		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01072		0.00100	0.000183
108-90-7	Chlorobenzene	0.01033		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01140		0.00100	0.000119
75-00-3	Chloroethane	0.007533		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.0007810	J	0.00200	0.000500
67-66-3	Chloroform	0.01023		0.00100	0.000151
74-87-3	Chloromethane	0.008485		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01082		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01114		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008465		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01049		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01120		0.00100	0.000810
74-95-3	Dibromomethane	0.009883		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01099		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01061		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01060		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01187		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.008666		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.01076		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.006878		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009365		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01064		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01026		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009359		0.00100	0.000191
100-41-4	Ethylbenzene	0.01074		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01073		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01245		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01084		0.00100	0.000241
75-09-2	Methylene Chloride	0.005758		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW01-11042015 MS Lab Sample ID: 600-121181-28 MS
 Matrix: Water Lab File ID: A31510.D
 Analysis Method: 8260B Date Collected: 11/04/2015 14:05
 Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 13:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.008803		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01140		0.00100	0.000205
91-20-3	Naphthalene	0.01357		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01187		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01085		0.00100	0.000230
95-47-6	o-Xylene	0.01128		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01154		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01177		0.00100	0.000224
100-42-5	Styrene	0.01115		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01152		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01167		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009818		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01013		0.00100	0.000333
108-88-3	Toluene	0.009786		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008164		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01169		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01200		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01208		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01038		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01118		0.00100	0.000209
79-01-6	Trichloroethene	0.008958		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.009106		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009852		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01142		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01125		0.00100	0.000210
75-01-4	Vinyl chloride	0.007867		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02268		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	112		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW32-11032015 MSD Lab Sample ID: 600-121181-3 MSD
 Matrix: Water Lab File ID: A31315.D
 Analysis Method: 8260B Date Collected: 11/03/2015 13:20
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 16:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.009012		0.00100	0.000176
108-86-1	Bromobenzene	0.01074		0.00100	0.000195
74-97-5	Bromochloromethane	0.009212		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01111		0.00100	0.000153
75-25-2	Bromoform	0.009819		0.00100	0.000151
74-83-9	Bromomethane	0.009772		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01836		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.01121		0.00100	0.000183
108-90-7	Chlorobenzene	0.01000		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01066		0.00100	0.000119
75-00-3	Chloroethane	0.008664		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.01048		0.00100	0.000151
74-87-3	Chloromethane	0.01110		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01086		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01141		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.008839		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.01016		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.009943		0.00100	0.000810
74-95-3	Dibromomethane	0.009740		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01112		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01100		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01101		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01461		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.009453		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.01067		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.008278		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.009484		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01025		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.01070		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.009566		0.00100	0.000191
100-41-4	Ethylbenzene	0.01056		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01001		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01259		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01107		0.00100	0.000241
75-09-2	Methylene Chloride	0.006128		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW32-11032015 MSD Lab Sample ID: 600-121181-3 MSD
 Matrix: Water Lab File ID: A31315.D
 Analysis Method: 8260B Date Collected: 11/03/2015 13:20
 Sample wt/vol: 20 (mL) Date Analyzed: 11/09/2015 16:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175890 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.009064		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01118		0.00100	0.000205
91-20-3	Naphthalene	0.01121		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01225		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01099		0.00100	0.000230
95-47-6	o-Xylene	0.01118		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01197		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01168		0.00100	0.000224
100-42-5	Styrene	0.007962		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01179		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01121		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.01032		0.00100	0.000197
127-18-4	Tetrachloroethene	0.01145		0.00100	0.000333
108-88-3	Toluene	0.009812		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.008515		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01073		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01167		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01120		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.01080		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01032		0.00100	0.000209
79-01-6	Trichloroethene	0.009423		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.01057		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.01017		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01163		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01148		0.00100	0.000210
75-01-4	Vinyl chloride	0.01005		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02236		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	111		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		50-134
2037-26-5	Toluene-d8 (Surr)	110		70-130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW01-11042015 MSD Lab Sample ID: 600-121181-28 MSD
 Matrix: Water Lab File ID: A31511.D
 Analysis Method: 8260B Date Collected: 11/04/2015 14:05
 Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 13:55
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.008151		0.00100	0.000176
108-86-1	Bromobenzene	0.01033		0.00100	0.000195
74-97-5	Bromochloromethane	0.009163		0.00100	0.000162
75-27-4	Bromodichloromethane	0.01044		0.00100	0.000153
75-25-2	Bromoform	0.009629		0.00100	0.000151
74-83-9	Bromomethane	0.007365		0.00200	0.000250
78-93-3	2-Butanone (MEK)	0.01838		0.00200	0.000760
56-23-5	Carbon tetrachloride	0.009790		0.00100	0.000183
108-90-7	Chlorobenzene	0.009896		0.00100	0.000185
124-48-1	Chlorodibromomethane	0.01093		0.00100	0.000119
75-00-3	Chloroethane	0.008351		0.00200	0.000240
110-75-8	2-Chloroethyl vinyl ether	0.000500	U	0.00200	0.000500
67-66-3	Chloroform	0.009442		0.00100	0.000151
74-87-3	Chloromethane	0.009140		0.00200	0.000209
95-49-8	2-Chlorotoluene	0.01015		0.00100	0.000226
106-43-4	4-Chlorotoluene	0.01044		0.00100	0.000210
156-59-2	cis-1,2-Dichloroethene	0.007961		0.00100	0.000157
10061-01-5	cis-1,3-Dichloropropene	0.009933		0.00100	0.000160
96-12-8	1,2-Dibromo-3-Chloropropane	0.01089		0.00100	0.000810
74-95-3	Dibromomethane	0.009336		0.00100	0.000520
95-50-1	1,2-Dichlorobenzene	0.01061		0.00100	0.000153
541-73-1	1,3-Dichlorobenzene	0.01018		0.00100	0.000210
106-46-7	1,4-Dichlorobenzene	0.01017		0.00100	0.000176
75-71-8	Dichlorodifluoromethane	0.01224		0.00100	0.000859
75-34-3	1,1-Dichloroethane	0.007987		0.00100	0.000168
107-06-2	1,2-Dichloroethane	0.009910		0.00100	0.000116
75-35-4	1,1-Dichloroethene	0.006603		0.00100	0.000192
78-87-5	1,2-Dichloropropane	0.008883		0.00100	0.000136
142-28-9	1,3-Dichloropropane	0.01033		0.00100	0.000220
594-20-7	2,2-Dichloropropane	0.009329		0.00100	0.000258
563-58-6	1,1-Dichloropropene	0.008585		0.00100	0.000191
100-41-4	Ethylbenzene	0.01031		0.00100	0.000212
106-93-4	Ethylene Dibromide	0.01084		0.00100	0.000111
87-68-3	Hexachlorobutadiene	0.01134		0.00100	0.000215
98-82-8	Isopropylbenzene	0.01014		0.00100	0.000241
75-09-2	Methylene Chloride	0.005437		0.00500	0.000176

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-121181-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW01-11042015 MSD Lab Sample ID: 600-121181-28 MSD
 Matrix: Water Lab File ID: A31511.D
 Analysis Method: 8260B Date Collected: 11/04/2015 14:05
 Sample wt/vol: 20 (mL) Date Analyzed: 11/11/2015 13:55
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 176120 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	0.008680		0.00100	0.000105
179601-23-1	m-Xylene & p-Xylene	0.01064		0.00100	0.000205
91-20-3	Naphthalene	0.01427		0.00200	0.000129
104-51-8	n-Butylbenzene	0.01087		0.00100	0.000212
103-65-1	N-Propylbenzene	0.01028		0.00100	0.000230
95-47-6	o-Xylene	0.01066		0.00100	0.000192
99-87-6	p-Isopropyltoluene	0.01070		0.00100	0.000228
135-98-8	sec-Butylbenzene	0.01091		0.00100	0.000224
100-42-5	Styrene	0.01075		0.00100	0.000175
98-06-6	tert-Butylbenzene	0.01076		0.00100	0.000216
630-20-6	1,1,1,2-Tetrachloroethane	0.01103		0.00100	0.000178
79-34-5	1,1,2,2-Tetrachloroethane	0.009734		0.00100	0.000197
127-18-4	Tetrachloroethene	0.009781		0.00100	0.000333
108-88-3	Toluene	0.009260		0.00100	0.000198
156-60-5	trans-1,2-Dichloroethene	0.007803		0.00100	0.000192
10061-02-6	trans-1,3-Dichloropropene	0.01108		0.00100	0.000137
87-61-6	1,2,3-Trichlorobenzene	0.01244		0.00100	0.000570
120-82-1	1,2,4-Trichlorobenzene	0.01169		0.00100	0.000177
71-55-6	1,1,1-Trichloroethane	0.009525		0.00100	0.000209
79-00-5	1,1,2-Trichloroethane	0.01111		0.00100	0.000209
79-01-6	Trichloroethene	0.008572		0.00100	0.000138
75-69-4	Trichlorofluoromethane	0.009711		0.00100	0.000244
96-18-4	1,2,3-Trichloropropane	0.009663		0.00100	0.000290
95-63-6	1,2,4-Trimethylbenzene	0.01052		0.00100	0.000215
108-67-8	1,3,5-Trimethylbenzene	0.01036		0.00100	0.000210
75-01-4	Vinyl chloride	0.008866		0.00100	0.000248
1330-20-7	Xylenes, Total	0.02130		0.00200	0.000366

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	114		62-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		50-134
2037-26-5	Toluene-d8 (Surr)	112		70-130

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-121181-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 10/26/2015 10:57Analysis Batch Number: 174792End Date: 10/26/2015 22:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-174792/1		10/26/2015 10:57	1	A29900.D	DB-VRX 60 0.25 (mm)
IC 600-174792/2		10/26/2015 11:27	1	A29901.D	DB-VRX 60 0.25 (mm)
IC 600-174792/3		10/26/2015 11:52	1	A29902.D	DB-VRX 60 0.25 (mm)
IC 600-174792/4		10/26/2015 12:18	1	A29903.D	DB-VRX 60 0.25 (mm)
IC 600-174792/5		10/26/2015 12:43	1	A29904.D	DB-VRX 60 0.25 (mm)
ICIS 600-174792/6		10/26/2015 13:09	1	A29905.D	DB-VRX 60 0.25 (mm)
IC 600-174792/7		10/26/2015 13:34	1	A29906.D	DB-VRX 60 0.25 (mm)
IC 600-174792/8		10/26/2015 14:00	1	A29907.D	DB-VRX 60 0.25 (mm)
IC 600-174792/9		10/26/2015 14:25	1		DB-VRX 60 0.25 (mm)
IC 600-174792/10		10/26/2015 14:51	1		DB-VRX 60 0.25 (mm)
IC 600-174792/11		10/26/2015 15:16	1		DB-VRX 60 0.25 (mm)
IC 600-174792/12		10/26/2015 15:41	1		DB-VRX 60 0.25 (mm)
IC 600-174792/13		10/26/2015 16:07	1		DB-VRX 60 0.25 (mm)
IC 600-174792/14		10/26/2015 16:32	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 16:58	1		DB-VRX 60 0.25 (mm)
ICV 600-174792/1015		10/26/2015 16:58	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 17:23	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 17:49	1		DB-VRX 60 0.25 (mm)
ICV 600-174792/1017		10/26/2015 17:49	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 18:15	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 18:15	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 19:31	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 19:57	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 20:23	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 20:48	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 21:14	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 21:40	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 22:05	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2015 22:31	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-121181-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 11/09/2015 09:47Analysis Batch Number: 175890End Date: 11/09/2015 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-175890/1		11/09/2015 09:47	1	A31300B.D	DB-VRX 60 0.25 (mm)
CCVIS 600-175890/2		11/09/2015 10:19	1	A31301.D	DB-VRX 60 0.25 (mm)
LCS 600-175890/3		11/09/2015 11:06	1	A31302.D	DB-VRX 60 0.25 (mm)
LCSD 600-175890/4		11/09/2015 11:32	1	A31303.D	DB-VRX 60 0.25 (mm)
MB 600-175890/6		11/09/2015 12:23	1	A31305.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 12:49	200		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 13:14	1		DB-VRX 60 0.25 (mm)
600-121181-3	ARTESIA-MW32-11032015	11/09/2015 13:40	1	A31308.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 14:06	25		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 14:32	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 14:57	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 15:23	25		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 15:49	10		DB-VRX 60 0.25 (mm)
600-121181-3 MS	ARTESIA-MW32-11032015 MS	11/09/2015 16:14	1	A31314.D	DB-VRX 60 0.25 (mm)
600-121181-3 MSD	ARTESIA-MW32-11032015 MSD	11/09/2015 16:39	1	A31315.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 17:05	50		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 17:30	25		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 17:56	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 18:21	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 18:46	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/09/2015 19:11	50		DB-VRX 60 0.25 (mm)
600-121181-1	TRIP BLANK	11/09/2015 19:37	1	A31322.D	DB-VRX 60 0.25 (mm)
600-121181-2	ARTESIA-MW33-11032015	11/09/2015 20:02	1	A31323.D	DB-VRX 60 0.25 (mm)
600-121181-6	ARTESIA-MW26-11032015	11/09/2015 20:28	1	A31324.D	DB-VRX 60 0.25 (mm)
600-121181-7	ARTESIA-MW30-11032015	11/09/2015 20:53	1	A31325.D	DB-VRX 60 0.25 (mm)
600-121181-8	ARTESIA-HS29-11032015	11/09/2015 21:19	1	A31326.D	DB-VRX 60 0.25 (mm)
600-121181-9	ARTESIA-MW29-11032015	11/09/2015 21:44	1	A31327.D	DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-121181-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 11/10/2015 09:44Analysis Batch Number: 176006End Date: 11/10/2015 21:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-176006/1		11/10/2015 09:44	1	A31400B.D	DB-VRX 60 0.25 (mm)
CCVIS 600-176006/2		11/10/2015 10:12	1	A31401.D	DB-VRX 60 0.25 (mm)
LCS 600-176006/3		11/10/2015 11:03	1	A31402.D	DB-VRX 60 0.25 (mm)
LCSD 600-176006/4		11/10/2015 11:28	1	A31403.D	DB-VRX 60 0.25 (mm)
MB 600-176006/6		11/10/2015 12:20	1	A31405.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 12:45	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 13:11	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 13:36	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 14:02	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 14:28	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 14:53	20		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 15:36	20		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 16:02	20		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 16:27	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 16:53	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 17:18	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 17:43	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 18:09	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 18:35	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 19:00	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 19:26	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 19:52	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 20:17	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 20:43	5		DB-VRX 60 0.25 (mm)
ZZZZZ		11/10/2015 21:09	1		DB-VRX 60 0.25 (mm)
600-121181-11	ARTESIA-MD03-11032015	11/10/2015 21:35	1	A31426.D	DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-121181-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 11/11/2015 08:44Analysis Batch Number: 176120End Date: 11/11/2015 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-176120/1		11/11/2015 08:44	1	A31450.D	DB-VRX 60 0.25 (mm)
CCVIS 600-176120/2		11/11/2015 09:22	1	A31501.D	DB-VRX 60 0.25 (mm)
LCS 600-176120/3		11/11/2015 10:03	1	A31502.D	DB-VRX 60 0.25 (mm)
LCSD 600-176120/4		11/11/2015 10:28	1	A31503.D	DB-VRX 60 0.25 (mm)
MB 600-176120/6		11/11/2015 11:20	1	A31505.D	DB-VRX 60 0.25 (mm)
600-121181-28	ARTESIA-MW01-11042015	11/11/2015 11:45	1	A31506.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 12:11	50		DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 12:37	25		DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 13:03	5		DB-VRX 60 0.25 (mm)
600-121181-28 MS	ARTESIA-MW01-11042015 MS	11/11/2015 13:29	1	A31510.D	DB-VRX 60 0.25 (mm)
600-121181-28 MSD	ARTESIA-MW01-11042015 MSD	11/11/2015 13:55	1	A31511.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 14:21	10		DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 14:47	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 15:13	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 15:39	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/11/2015 16:05	1		DB-VRX 60 0.25 (mm)
600-121181-15	ARTESIA-INLET-11042015	11/11/2015 16:31	1	A31517.D	DB-VRX 60 0.25 (mm)
600-121181-16	ARTESIA-MW25-11042015	11/11/2015 16:57	1	A31518.D	DB-VRX 60 0.25 (mm)
600-121181-17	ARTESIA-MD02-11042015	11/11/2015 17:23	1	A31519.D	DB-VRX 60 0.25 (mm)
600-121181-18	ARTESIA-MW22-11042015	11/11/2015 17:49	1	A31520.D	DB-VRX 60 0.25 (mm)
600-121181-19	ARTESIA-HS31-11042015	11/11/2015 18:15	1	A31521.D	DB-VRX 60 0.25 (mm)
600-121181-20	ARTESIA-MW31-11042015	11/11/2015 18:40	1	A31522.D	DB-VRX 60 0.25 (mm)
600-121181-21	ARTESIA-MW21-11042015	11/11/2015 19:06	1	A31523.D	DB-VRX 60 0.25 (mm)
600-121181-22	ARTESIA-MW20-11042015	11/11/2015 19:32	1	A31524.D	DB-VRX 60 0.25 (mm)
600-121181-23	ARTESIA-MW11-11042015	11/11/2015 19:57	1	A31525.D	DB-VRX 60 0.25 (mm)
600-121181-24	ARTESIA-MW08-11042015	11/11/2015 20:23	1	A31526.D	DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-121181-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 11/12/2015 09:51Analysis Batch Number: 176238End Date: 11/12/2015 21:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-176238/1		11/12/2015 09:51	1	A31600A.D	DB-VRX 60 0.25 (mm)
CCVIS 600-176238/2		11/12/2015 10:43	1	A31601A.D	DB-VRX 60 0.25 (mm)
MB 600-176238/6		11/12/2015 12:43	1	A31605.D	DB-VRX 60 0.25 (mm)
LCS 600-176238/3		11/12/2015 13:09	1	A31602A.D	DB-VRX 60 0.25 (mm)
LCSD 600-176238/4		11/12/2015 13:34	1	A31603A.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 13:59	1		DB-VRX 60 0.25 (mm)
600-121181-10	ARTESIA-MW28-11032015	11/12/2015 14:25	1	A31607.D	DB-VRX 60 0.25 (mm)
600-121181-12	ARTESIA-MW34-11032015	11/12/2015 14:50	1	A31608.D	DB-VRX 60 0.25 (mm)
600-121181-13	ARTESIA-OUTLET-11042015	11/12/2015 15:16	1	A31609.D	DB-VRX 60 0.25 (mm)
600-121181-14	ARTESIA-MID-11042015	11/12/2015 15:41	1	A31610.D	DB-VRX 60 0.25 (mm)
600-121181-25	ARTESIA-MD01-11042015	11/12/2015 16:07	1	A31611.D	DB-VRX 60 0.25 (mm)
600-121181-26	ARTESIA-MW18-11042015	11/12/2015 16:32	1	A31612.D	DB-VRX 60 0.25 (mm)
600-121181-27	ARTESIA-MW07-11042015	11/12/2015 16:57	1	A31613.D	DB-VRX 60 0.25 (mm)
600-121181-31	ARTESIA-MW17C-11042015	11/12/2015 17:23	1	A31614.D	DB-VRX 60 0.25 (mm)
600-121181-34	ARTESIA-MW15-11042015	11/12/2015 17:49	1	A31615.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 18:14	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 18:39	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 19:05	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 19:30	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 19:56	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 20:21	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 20:47	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 21:12	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/12/2015 21:38	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-121181-1

SDG No.: _____

Instrument ID: CHVOAMS07Start Date: 11/13/2015 08:41Analysis Batch Number: 176357End Date: 11/13/2015 19:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-176357/1		11/13/2015 08:41	1	A31700.D	DB-VRX 60 0.25 (mm)
CCVIS 600-176357/2		11/13/2015 09:14	1	A31701.D	DB-VRX 60 0.25 (mm)
LCS 600-176357/3		11/13/2015 10:00	1	A31702.D	DB-VRX 60 0.25 (mm)
LCSD 600-176357/4		11/13/2015 10:25	1	A31703.D	DB-VRX 60 0.25 (mm)
MB 600-176357/6		11/13/2015 11:16	1	A31705.D	DB-VRX 60 0.25 (mm)
600-121181-32	ARTESIA-HS12-11042015	11/13/2015 11:42	10	A31706.D	DB-VRX 60 0.25 (mm)
600-121181-33	ARTESIA-MW12-11042015	11/13/2015 12:33	10	A31708.D	DB-VRX 60 0.25 (mm)
600-121181-33 DL	ARTESIA-MW12-11042015 DL	11/13/2015 12:58	100	A31709.D	DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 13:24	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 13:49	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 14:14	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 14:40	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 15:05	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 15:30	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 15:56	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 16:23	50		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 16:48	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 17:14	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 17:39	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 18:05	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 18:30	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 18:56	1		DB-VRX 60 0.25 (mm)
ZZZZZ		11/13/2015 19:21	1		DB-VRX 60 0.25 (mm)
600-121181-32 DL	ARTESIA-HS12-11042015 DL	11/13/2015 19:46	100	A31725.D	DB-VRX 60 0.25 (mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Corpus Christi

Job Number: 600-121181-1

SDG No.: _____

Project: Dowell - Artesia Groundwater

Client Sample ID	Lab Sample ID
ARTESIA-MW32-11032015	600-121181-3
ARTESIA-MW26-11032015	600-121181-6
ARTESIA-MW30-11032015	600-121181-7
ARTESIA-HS29-11032015	600-121181-8
ARTESIA-MW29-11032015	600-121181-9
ARTESIA-MW28-11032015	600-121181-10
ARTESIA-MD03-11032015	600-121181-11
ARTESIA-MW34-11032015	600-121181-12
ARTESIA-INLET-11042015	600-121181-15
ARTESIA-MW25-11042015	600-121181-16
ARTESIA-MD02-11042015	600-121181-17
ARTESIA-MW22-11042015	600-121181-18
ARTESIA-HS31-11042015	600-121181-19
ARTESIA-MW31-11042015	600-121181-20
ARTESIA-MW21-11042015	600-121181-21
ARTESIA-MW20-11042015	600-121181-22
ARTESIA-MD01-11042015	600-121181-25
ARTESIA-MW18-11042015	600-121181-26

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW32-11032015

Lab Sample ID: 600-121181-3

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 13:20

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW26-11032015

Lab Sample ID: 600-121181-6

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 14:10

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0158	0.0500	0.0116	mg/L	J		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW30-11032015

Lab Sample ID: 600-121181-7

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 14:52

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-HS29-11032015 Lab Sample ID: 600-121181-8
Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1
SDG ID.:
Matrix: Water Date Sampled: 11/03/2015 15:18
Reporting Basis: WET Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW29-11032015

Lab Sample ID: 600-121181-9

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 15:50

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0519	0.0500	0.0116	mg/L			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW28-11032015

Lab Sample ID: 600-121181-10

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 16:30

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MD03-11032015

Lab Sample ID: 600-121181-11

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 17:00

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW34-11032015

Lab Sample ID: 600-121181-12

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2015 17:10

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-INLET-11042015 Lab Sample ID: 600-121181-15
Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1
SDG ID.:
Matrix: Water Date Sampled: 11/04/2015 07:30
Reporting Basis: WET Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0414	0.0500	0.0116	mg/L	J		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW25-11042015

Lab Sample ID: 600-121181-16

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 08:25

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MD02-11042015

Lab Sample ID: 600-121181-17

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 09:00

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW22-11042015 Lab Sample ID: 600-121181-18
Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/04/2015 09:17
Reporting Basis: WET Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-HS31-11042015

Lab Sample ID: 600-121181-19

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 09:47

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW31-11042015

Lab Sample ID: 600-121181-20

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 10:18

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW21-11042015

Lab Sample ID: 600-121181-21

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 10:54

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW20-11042015

Lab Sample ID: 600-121181-22

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 11:21

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0159	0.0500	0.0116	mg/L	J		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MD01-11042015 Lab Sample ID: 600-121181-25
Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1
SDG ID.:
Matrix: Water Date Sampled: 11/04/2015 12:30
Reporting Basis: WET Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW18-11042015

Lab Sample ID: 600-121181-26

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2015 12:57

Reporting Basis: WET

Date Received: 11/06/2015 08:48

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICV Source: aICV_esi500_00013 Concentration Units: ug/L

CCV Source: TS_MS250_00029

Analyte	ICV 560-122025/7 11/13/2015 10:35				CCV 560-122025/11 11/13/2015 13:41				CCV 560-122025/14 11/13/2015 15:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	4802		5000	96	2465		2500	99	2477		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICV Source: aICV_es1500_00013 Concentration Units: ug/L

CCV Source: TS_MS250_00029

Analyte	CCV 560-122025/25 11/13/2015 16:46				CCV 560-122025/36 11/13/2015 18:10							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	2475		2500	99	2430		2500	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICV Source: aICV_esi500_00013 Concentration Units: ug/L

CCV Source: TS_MS250_00029

Analyte	ICV 560-122028/8 11/14/2015 11:08				CCV 560-122028/33 11/14/2015 14:14				CCV 560-122028/44 11/14/2015 15:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	4882		5000	98	2499		2500	100	2503		2500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICV Source: aICV_es1500_00013 Concentration Units: ug/L

CCV Source: TS_MS250_00029

Analyte	CCV 560-122028/56 11/14/2015 17:01				CCV 560-122028/68 11/14/2015 18:25							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	2446		2500	98	2425		2500	97				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 560-122025/10 11/13/2015 11:12		CCB 560-122025/12 11/13/2015 13:52		CCB 560-122025/15 11/13/2015 15:28		CCB 560-122025/26 11/13/2015 16:56	
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U	11.6	U	11.6	U	11.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 560-122025/37 11/13/2015 18:21							
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 560-122028/11 11/14/2015 11:45		CCB 560-122028/34 11/14/2015 14:25		CCB 560-122028/45 11/14/2015 15:47		CCB 560-122028/57 11/14/2015 17:11	
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U	11.6	U	11.6	U	11.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 560-122028/69 11/14/2015 18:35							
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 560-121934/1-A

Instrument Code: Micpms Batch No.: 122025

CAS No.	Analyte	Concentration	C	Q	Method
7439-96-5	Manganese, Dissolved	0.0116	U		6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 560-121939/1-A

Instrument Code: Micpms Batch No.: 122028

CAS No.	Analyte	Concentration	C	Q	Method
7439-96-5	Manganese, Dissolved	0.0116	U		6020

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: ICSAB 560-122025/9

Instrument ID: Micpms

Lab File ID: 017SMPL.D

ICS Source: INT-AB_00099

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese, Dissolved	500	497	99
Aluminum	250000	252100	101
Antimony		0.758	
Arsenic		1.75	
Barium	500	515	103
Beryllium	500	512	102
Boron		4.16	
Cadmium	1000	1000	100
Calcium	250000	275400	110
Chromium	500	499	100
Cobalt	500	479	96
Copper	500	484	97
Iron	100000	92380	92
Lead	1000	1026	103
Lithium		2.70	
Magnesium	250000	246300	99
Molybdenum		-0.112	
Nickel	1000	972	97
Phosphorus		-40.3	
Potassium		186	
Selenium		0.230	
Silicon		-5243	
Silver	1000	996	100
Sodium		-49.7	
Strontium		2.17	
Thallium		0.0768	
Tin		6.25	
Titanium		2.23	
Uranium		0.0088	
Vanadium	500	502	100
Zinc	1000	980	98

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG No.: _____

Lab Sample ID: ICSAB 560-122028/10

Instrument ID: Micpms

Lab File ID: 017SMPL.D

ICS Source: INT-AB_00099

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese, Dissolved	500	499	100
Aluminum	250000	262000	105
Antimony		0.942	
Arsenic		2.41	
Barium	500	510	102
Beryllium	500	528	106
Boron		-0.395	
Cadmium	1000	997	100
Calcium	250000	275300	110
Chromium	500	507	101
Cobalt	500	478	96
Copper	500	489	98
Iron	100000	93600	94
Lead	1000	1043	104
Lithium		1.35	
Magnesium	250000	248100	99
Molybdenum		0.137	
Nickel	1000	971	97
Phosphorus		-25.9	
Potassium		200	
Selenium		1.23	
Silicon		-3699	
Silver	1000	1002	100
Sodium		-149	
Strontium		1.82	
Thallium		0.0663	
Tin		6.79	
Titanium		3.73	
Uranium		-0.0144	
Vanadium	500	500	100
Zinc	1000	1037	104

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 600-121191-C-4-B MS
Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Manganese, Dissolved	4.371	0.0116	U 5.00	87	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-MW32-11032015 MS

Lab ID: 600-121181-3 MS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Manganese, Dissolved	4.473	0.0116	U 5.00	89	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 600-121191-B-4-A MSD
Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Manganese, Dissolved	4.249	5.00	85	80-120	3	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-MW32-11032015 MSD

Lab ID: 600-121181-3 MSD

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Manganese, Dissolved	4.520	5.00	90	80-120	1	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 560-121934/2-A

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

Sample Matrix: Water

LCS Source: ESI-spKA_00011

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Manganese, Dissolved	5.00	4.572		91	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 560-121939/2-A

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

Sample Matrix: Water

LCS Source: ESI-spKA_00011

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Manganese, Dissolved	5.00	4.311		86	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 600-121191-C-4-A SD

SDG No:

Lab Name: TestAmerica Corpus Christi

Job No: 600-121181-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Manganese, Dissolved	0.0116	U	0.0580	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 600-121181-3

SDG No: _____

Lab Name: TestAmerica Corpus Christi

Job No: 600-121181-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Manganese, Dissolved	0.0116	U	0.0464	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-121181-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 MDL Date: 05/02/2011 10:33
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Manganese, Dissolved	55	50	11.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-121181-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 XMDL Date: 05/02/2011 10:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Manganese, Dissolved	55	50	11.6

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Corpus Christi

Job No: 600-121181-1

SDG No.: _____

Instrument ID: Micpms

Date: 05/12/2011 15:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Manganese, Dissolved	0.15	50000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-121181-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 560-121934/1-A	11/12/2015 08:00	121934		50	50
LCS 560-121934/2-A	11/12/2015 08:00	121934		50	50
600-121181-3	11/12/2015 08:00	121934		50	50
600-121181-3 MS	11/12/2015 08:00	121934		50	50
600-121181-3 MSD	11/12/2015 08:00	121934		50	50
600-121181-6	11/12/2015 08:00	121934		50	50
600-121181-7	11/12/2015 08:00	121934		50	50
600-121181-8	11/12/2015 08:00	121934		50	50
600-121181-9	11/12/2015 08:00	121934		50	50
600-121181-10	11/12/2015 08:00	121934		50	50
600-121181-11	11/12/2015 08:00	121934		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 560-121939/1-A	11/12/2015 09:30	121939		50	50
LCS 560-121939/2-A	11/12/2015 09:30	121939		50	50
600-121191-C-4-B MS	11/12/2015 09:30	121939		50	50
600-121191-B-4-A MSD	11/12/2015 09:30	121939		50	50
600-121181-12	11/12/2015 09:30	121939		50	50
600-121181-15	11/12/2015 09:30	121939		50	50
600-121181-16	11/12/2015 09:30	121939		50	50
600-121181-17	11/12/2015 09:30	121939		50	50
600-121181-18	11/12/2015 09:30	121939		50	50
600-121181-19	11/12/2015 09:30	121939		50	50
600-121181-20	11/12/2015 09:30	121939		50	50
600-121181-21	11/12/2015 09:30	121939		50	50
600-121181-22	11/12/2015 09:30	121939		50	50
600-121181-25	11/12/2015 09:30	121939		50	50
600-121181-26	11/12/2015 09:30	121939		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 11/13/2015 09:47 End Date: 11/13/2015 18:21

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
CALIBSTD 560-122025/1	1		09:47	X															
IC																			
IC 560-122025/2	1		09:58	X															
IC 560-122025/3	1		10:03	X															
IC 560-122025/4	1		10:09	X															
IC 560-122025/5	1		10:14	X															
IC 560-122025/6	1		10:19	X															
ICV 560-122025/7	1		10:35	X															
ICSA 560-122025/8	1		10:56	X															
ICSAB 560-122025/9	1		11:01	X															
ICB 560-122025/10	1		11:12	X															
CCV 560-122025/11	1		13:41	X															
CCB 560-122025/12	1		13:52	X															
MB 560-121934/1-A	1	T	14:49	X															
CCV 560-122025/14	1		15:18	X															
CCB 560-122025/15	1		15:28	X															
LCS 560-121934/2-A	1	T	15:34	X															
600-121181-3	1	D	15:44	X															
600-121181-3 MS	1	D	15:50	X															
600-121181-3 MSD	1	D	16:00	X															
600-121181-3 SD	4	D	16:05	X															
600-121181-6	1	D	16:10	X															
600-121181-7	1	D	16:18	X															
600-121181-8	1	D	16:23	X															
600-121181-9	1	D	16:29	X															
CCV 560-122025/25	1		16:46	X															
CCB 560-122025/26	1		16:56	X															
600-121181-10	1	D	17:02	X															
600-121181-11	1	D	17:07	X															
ZZZZZZ			17:13																
ZZZZZZ			17:19																
ZZZZZZ			17:25																
ZZZZZZ			17:30																
ZZZZZZ			17:36																
ZZZZZZ			17:42																
ZZZZZZ			17:48																
CCV 560-122025/36	1		18:10	X															
CCB 560-122025/37	1		18:21	X															

Prep Types

D = Dissolved

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 11/14/2015 10:26 End Date: 11/15/2015 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
CALIBSTD 560-122028/1 IC	1		10:26	X															
IC 560-122028/2	1		10:31	X															
IC 560-122028/3	1		10:37	X															
IC 560-122028/4	1		10:42	X															
IC 560-122028/5	1		10:47	X															
IC 560-122028/6	1		10:52	X															
ZZZZZZ			11:03																
ICV 560-122028/8	1		11:08	X															
ICSA 560-122028/9	1		11:29	X															
ICSAB 560-122028/10	1		11:34	X															
ICB 560-122028/11	1		11:45	X															
ZZZZZZ			11:50																
ZZZZZZ			11:55																
ZZZZZZ			12:06																
ZZZZZZ			12:11																
ZZZZZZ			12:16																
ZZZZZZ			12:21																
ZZZZZZ			12:26																
ZZZZZZ			12:32																
ZZZZZZ			12:37																
CCV 560-122028/21			12:53																
CCB 560-122028/22			13:04																
ZZZZZZ			13:09																
ZZZZZZ			13:14																
ZZZZZZ			13:19																
ZZZZZZ			13:25																
ZZZZZZ			13:30																
ZZZZZZ			13:36																
ZZZZZZ			13:42																
ZZZZZZ			13:47																
ZZZZZZ			13:52																
ZZZZZZ			13:58																
CCV 560-122028/33	1		14:14	X															
CCB 560-122028/34	1		14:25	X															
ZZZZZZ			14:30																
ZZZZZZ			14:36																
ZZZZZZ			14:42																
ZZZZZZ			14:47																
ZZZZZZ			14:53																
MB 560-121939/1-A	1	T	14:58	X															
LCS 560-121939/2-A	1	T	15:03	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 11/14/2015 10:26 End Date: 11/15/2015 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n																	
ZZZZZZ			15:14																		
600-121191-C-4-B MS	1	D	15:20	X																	
CCV 560-122028/44	1		15:36	X																	
CCB 560-122028/45	1		15:47	X																	
600-121191-B-4-A MSD	1	D	15:52	X																	
600-121191-C-4-A SD	5	D	15:58	X																	
ZZZZZZ			16:03																		
ZZZZZZ			16:09																		
ZZZZZZ			16:15																		
ZZZZZZ			16:21																		
ZZZZZZ			16:27																		
ZZZZZZ			16:33																		
600-121181-12	1	D	16:39	X																	
600-121181-15	1	D	16:44	X																	
CCV 560-122028/56	1		17:01	X																	
CCB 560-122028/57	1		17:11	X																	
600-121181-16	1	D	17:17	X																	
600-121181-17	1	D	17:22	X																	
600-121181-18	1	D	17:28	X																	
600-121181-19	1	D	17:34	X																	
600-121181-20	1	D	17:40	X																	
600-121181-21	1	D	17:45	X																	
600-121181-22	1	D	17:51	X																	
600-121181-25	1	D	17:57	X																	
600-121181-26	1	D	18:03	X																	
ZZZZZZ			18:08																		
CCV 560-122028/68	1		18:25	X																	
CCB 560-122028/69	1		18:35	X																	
ZZZZZZ			18:41																		
ZZZZZZ			18:51																		
ZZZZZZ			18:57																		
ZZZZZZ			19:03																		
ZZZZZZ			19:09																		
ZZZZZZ			19:14																		
ZZZZZZ			19:19																		
ZZZZZZ			19:25																		
ZZZZZZ			19:31																		
CCV 560-122028/79			19:47																		
CCB 560-122028/80			19:58																		
ZZZZZZ			20:03																		
ZZZZZZ			20:09																		
ZZZZZZ			20:15																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 11/14/2015 10:26 End Date: 11/15/2015 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
ZZZZZZ			20:20																
ZZZZZZ			20:26																
ZZZZZZ			20:32																
ZZZZZZ			20:38																
ZZZZZZ			20:43																
ZZZZZZ			20:49																
ZZZZZZ			20:55																
CCV 560-122028/91			21:12																
CCB 560-122028/92			21:22																
ZZZZZZ			21:28																
ZZZZZZ			21:33																
ZZZZZZ			21:39																
ZZZZZZ			21:49																
ZZZZZZ			21:55																
ZZZZZZ			22:01																
ZZZZZZ			22:07																
ZZZZZZ			22:13																
ZZZZZZ			22:19																
CCV 560-122028/102			22:35																
CCB 560-122028/103			22:46																
ZZZZZZ			22:51																
ZZZZZZ			22:57																
ZZZZZZ			23:03																
ZZZZZZ			23:09																
ZZZZZZ			23:15																
ZZZZZZ			23:21																
ZZZZZZ			23:26																
ZZZZZZ			23:32																
ZZZZZZ			23:37																
ZZZZZZ			23:43																
CCV 560-122028/114			00:00																
CCB 560-122028/115			00:10																
ZZZZZZ			00:16																
ZZZZZZ			00:21																
ZZZZZZ			00:26																
ZZZZZZ			00:37																
ZZZZZZ			00:43																
ZZZZZZ			00:48																
ZZZZZZ			00:54																
ZZZZZZ			01:00																
ZZZZZZ			01:05																
CCV 560-122028/125			01:22																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 11/14/2015 10:26 End Date: 11/15/2015 02:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n																	
CCB 560-122028/126			01:33																		
ZZZZZZ			01:38																		
ZZZZZZ			01:44																		
ZZZZZZ			01:50																		
ZZZZZZ			01:56																		
ZZZZZZ			02:01																		
ZZZZZZ			02:07																		
ZZZZZZ			02:13																		
CCV 560-122028/134			02:29																		
CCB 560-122028/135			02:45																		

Prep Types

D = Dissolved

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/13/2015 End Date: 11/13/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/1	Q
CALIBSTD 560-122025	09:47	100		100		100		100		100	
IC 560-122025/2	09:58	99		102		101		98		106	
IC 560-122025/3	10:03	98		98		100		101		109	
IC 560-122025/4	10:09	98		101		101		100		106	
IC 560-122025/5	10:14	95		100		101		99		116	
IC 560-122025/6	10:19	92		103		99		98		111	
ICV 560-122025/7	10:35	92		101		99		97		114	
ICSA 560-122025/8	10:56	94		100		100		96		105	
ICSAB 560-122025/9	11:01	90		101		99		95		111	
ICB 560-122025/10	11:12	92		101		104		99		108	
CCV 560-122025/11	13:41	99		112		110		102		120	
CCB 560-122025/12	13:52	100		113		111		105		116	
MB 560-121934/1-A	14:49	108				119		111			
CCV 560-122025/14	15:18	104		117		116		108			
CCB 560-122025/15	15:28	107		117		117		110		120	
LCS 560-121934/2-A	15:34	100		117		112		105			
600-121181-3	15:44	96		113		111		106			
600-121181-3 MS	15:50	93		110		108		104			
600-121181-3 MSD	16:00	93		112		110		102			
600-121181-3 SD	16:05	100		116		115		107			
600-121181-6	16:10	95		113		110		107			
600-121181-7	16:18	93		113		111		105			
600-121181-8	16:23	95		113		111		105		119	
600-121181-9	16:29	95		113		112		105			
CCV 560-122025/25	16:46	103		117		112		108			
CCB 560-122025/26	16:56	108		117		114		108		120	
600-121181-10	17:02	94		113		109		104		118	
600-121181-11	17:07	94		113		111		104			
CCV 560-122025/36	18:10	106		120		116		108			
CCB 560-122025/37	18:21	109				117		110		115	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/13/2015 End Date: 11/13/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/2	Q	Element Ge/3	Q	Element Y-89/1	Q	Element Y-89/2	Q	Element Y-89/3	Q
CALIBSTD 560-122025	09:47	100		100		100		100		100	
IC 560-122025/2	09:58	105		105		102		102		99	
IC 560-122025/3	10:03	105		105		99		100		101	
IC 560-122025/4	10:09	107		107		101		100		101	
IC 560-122025/5	10:14	112		110		102		101		100	
IC 560-122025/6	10:19	107		107		101		100		98	
ICV 560-122025/7	10:35	113		110		99		101		99	
ICSA 560-122025/8	10:56	108		110		101		102		98	
ICSAB 560-122025/9	11:01	108		112		103		100		99	
ICB 560-122025/10	11:12	106		103		103		105		101	
CCV 560-122025/11	13:41	118		113		112		111		104	
CCB 560-122025/12	13:52	114		111		113		111		106	
MB 560-121934/1-A	14:49	118		112		117		118		113	
CCV 560-122025/14	15:18			120		116		115		108	
CCB 560-122025/15	15:28	117		112		117		115		109	
LCS 560-121934/2-A	15:34			120		113		112		106	
600-121181-3	15:44	120		113		111		108		105	
600-121181-3 MS	15:50			119		107		108		103	
600-121181-3 MSD	16:00			119		110		108		103	
600-121181-3 SD	16:05			115		114		113		108	
600-121181-6	16:10	120		113		109		109		105	
600-121181-7	16:18	119		116		110		110		105	
600-121181-8	16:23	116		111		109		108		104	
600-121181-9	16:29	120		112		110		110		104	
CCV 560-122025/25	16:46			119		111		111		108	
CCB 560-122025/26	16:56	118		112		112		112		108	
600-121181-10	17:02	117		111		109		106		104	
600-121181-11	17:07	119		113		108		108		104	
CCV 560-122025/36	18:10	117		113		115		111		105	
CCB 560-122025/37	18:21	112		109		116		115		108	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/13/2015 End Date: 11/13/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In/1	Q	Element In/2	Q	Element In/3	Q	Element Tb	Q	Element Ho	Q
CALIBSTD 560-122025	09:47	100		100		100		100		100	
IC 560-122025/2	09:58	102		103		100		100		99	
IC 560-122025/3	10:03	100		100		100		102		101	
IC 560-122025/4	10:09	102		102		102		101		100	
IC 560-122025/5	10:14	101		101		100		101		98	
IC 560-122025/6	10:19	102		100		99		100		99	
ICV 560-122025/7	10:35	99		99		97		99		99	
ICSA 560-122025/8	10:56	99		99		97		100		100	
ICSAB 560-122025/9	11:01	99		97		96		99		98	
ICB 560-122025/10	11:12	104		105		102		102		101	
CCV 560-122025/11	13:41	111		110		105		103		103	
CCB 560-122025/12	13:52	112		110		106		104		103	
MB 560-121934/1-A	14:49	116		115		108		106		106	
CCV 560-122025/14	15:18	115		113		107		107		103	
CCB 560-122025/15	15:28	115		113		108		104		103	
LCS 560-121934/2-A	15:34	109		108		104		103		101	
600-121181-3	15:44	109		106		101		103		100	
600-121181-3 MS	15:50	103		102		99		101		99	
600-121181-3 MSD	16:00	105		104		99		102		101	
600-121181-3 SD	16:05	112		111		105		103		101	
600-121181-6	16:10	105		106		101		102		100	
600-121181-7	16:18	106		106		100		103		100	
600-121181-8	16:23	105		104		99		101		99	
600-121181-9	16:29	105		105		100		101		99	
CCV 560-122025/25	16:46	110		109		102		102		99	
CCB 560-122025/26	16:56	111		110		106		102		101	
600-121181-10	17:02	105		102		96		97		95	
600-121181-11	17:07	104		104		99		98		99	
CCV 560-122025/36	18:10	112		110		105		102		100	
CCB 560-122025/37	18:21	112		112		107		103		100	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/13/2015 End Date: 11/13/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CALIBSTD 560-122025	09:47	100									
IC 560-122025/2	09:58	100									
IC 560-122025/3	10:03	99									
IC 560-122025/4	10:09	99									
IC 560-122025/5	10:14	98									
IC 560-122025/6	10:19	95									
ICV 560-122025/7	10:35	93									
ICSA 560-122025/8	10:56	92									
ICSAB 560-122025/9	11:01	90									
ICB 560-122025/10	11:12	99									
CCV 560-122025/11	13:41	97									
CCB 560-122025/12	13:52	98									
MB 560-121934/1-A	14:49	102									
CCV 560-122025/14	15:18	97									
CCB 560-122025/15	15:28	99									
LCS 560-121934/2-A	15:34	93									
600-121181-3	15:44	91									
600-121181-3 MS	15:50	89									
600-121181-3 MSD	16:00	89									
600-121181-3 SD	16:05	95									
600-121181-6	16:10	91									
600-121181-7	16:18	90									
600-121181-8	16:23	88									
600-121181-9	16:29	88									
CCV 560-122025/25	16:46	93									
CCB 560-122025/26	16:56	95									
600-121181-10	17:02	87									
600-121181-11	17:07	88									
CCV 560-122025/36	18:10	92									
CCB 560-122025/37	18:21	95									

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/14/2015 End Date: 11/14/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/1	Q
CALIBSTD 560-122028	10:26	100		100		100		100		100	
IC 560-122028/2	10:31	99		100		99		101		103	
IC 560-122028/3	10:37	102		103		102		102		102	
IC 560-122028/4	10:42	99		102		100		99		107	
IC 560-122028/5	10:47	97		102		100		101		111	
IC 560-122028/6	10:52	94		101		99		97		105	
ICV 560-122028/8	11:08	91		99		97		97		108	
ICSA 560-122028/9	11:29	89		100		97		95		101	
ICSAB 560-122028/10	11:34	86		96		97		93		102	
ICB 560-122028/11	11:45	90		99		97		99		102	
CCV 560-122028/33	14:14	85		100		100		94		111	
CCB 560-122028/34	14:25	88		102		101		96		104	
MB 560-121939/1-A	14:58	89		108		104		100		106	
LCS 560-121939/2-A	15:03	84		103		99		94		108	
600-121191-C-4-B MS	15:20	76		98		96		93		113	
CCV 560-122028/44	15:36	84		105		102		95		113	
CCB 560-122028/45	15:47	88		106		103		98		107	
600-121191-B-4-A MS	15:52	76		98		96		92		109	
600-121191-C-4-A SD	15:58	84		105		101		97		109	
600-121181-12	16:39	81		106		103		103		112	
600-121181-15	16:44	82		105		102		99		111	
CCV 560-122028/56	17:01	90		107		104		96		111	
CCB 560-122028/57	17:11	92		109		104		102		109	
600-121181-16	17:17	84		104		101		98		113	
600-121181-17	17:22	83		104		102		97		109	
600-121181-18	17:28	80		103		100		97		111	
600-121181-19	17:34	80		103		101		97		107	
600-121181-20	17:40	81		103		101		99		114	
600-121181-21	17:45	81		105		101		96		105	
600-121181-22	17:51	81		101		100		97		112	
600-121181-25	17:57	81		101		99		96		103	
600-121181-26	18:03	80		102		101		94		112	
CCV 560-122028/68	18:25	88		102		99		99		111	
CCB 560-122028/69	18:35	92		105		102		102		108	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/14/2015 End Date: 11/14/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/2	Q	Element Ge/3	Q	Element Y-89/1	Q	Element Y-89/2	Q	Element Y-89/3	Q
CALIBSTD 560-122028	10:26	100		100		100		100		100	
IC 560-122028/2	10:31	104		104		100		101		102	
IC 560-122028/3	10:37	103		101		103		104		102	
IC 560-122028/4	10:42	107		105		101		101		100	
IC 560-122028/5	10:47	109		107		103		101		102	
IC 560-122028/6	10:52	105		103		101		101		100	
ICV 560-122028/8	11:08	107		106		101		99		96	
ICSA 560-122028/9	11:29	102		103		102		99		98	
ICSAB 560-122028/10	11:34	104		104		99		100		97	
ICB 560-122028/11	11:45	101		101		101		101		101	
CCV 560-122028/33	14:14	111		102		102		102		98	
CCB 560-122028/34	14:25	104		98		103		103		100	
MB 560-121939/1-A	14:58	104		101		107		106		102	
LCS 560-121939/2-A	15:03	107		103		103		102		97	
600-121191-C-4-B MS	15:20	112		105		100		101		98	
CCV 560-122028/44	15:36	111		103		107		105		99	
CCB 560-122028/45	15:47	107		100		107		106		100	
600-121191-B-4-A MS	15:52	109		103		100		100		95	
600-121191-C-4-A SD	15:58	106		102		105		104		99	
600-121181-12	16:39	109		104		105		105		102	
600-121181-15	16:44	112		105		104		104		101	
CCV 560-122028/56	17:01	109		103		106		104		101	
CCB 560-122028/57	17:11	107		102		109		106		102	
600-121181-16	17:17	112		106		103		102		100	
600-121181-17	17:22	108		101		104		104		98	
600-121181-18	17:28	109		103		101		100		99	
600-121181-19	17:34	106		101		103		102		100	
600-121181-20	17:40	112		105		102		102		98	
600-121181-21	17:45	104		99		104		102		101	
600-121181-22	17:51	109		101		108		108		105	
600-121181-25	17:57	103		99		99		99		97	
600-121181-26	18:03	109		101		100		101		94	
CCV 560-122028/68	18:25	107		104		100		100		97	
CCB 560-122028/69	18:35	105		104		101		102		102	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/14/2015 End Date: 11/14/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In/1	Q	Element In/2	Q	Element In/3	Q	Element Tb	Q	Element Ho	Q
CALIBSTD 560-122028	10:26	100		100		100		100		100	
IC 560-122028/2	10:31	100		101		101		100		100	
IC 560-122028/3	10:37	103		102		102		100		100	
IC 560-122028/4	10:42	101		101		102		101		99	
IC 560-122028/5	10:47	102		101		101		100		100	
IC 560-122028/6	10:52	101		100		99		99		98	
ICV 560-122028/8	11:08	98		98		96		98		97	
ICSA 560-122028/9	11:29	97		96		93		96		97	
ICSAB 560-122028/10	11:34	96		96		93		96		96	
ICB 560-122028/11	11:45	101		100		103		102		101	
CCV 560-122028/33	14:14	103		102		97		97		97	
CCB 560-122028/34	14:25	102		103		99		98		98	
MB 560-121939/1-A	14:58	107		106		102		101		99	
LCS 560-121939/2-A	15:03	101		101		95		97		96	
600-121191-C-4-B MS	15:20	97		96		96		98		100	
CCV 560-122028/44	15:36	107		106		100		99		98	
CCB 560-122028/45	15:47	107		106		100		99		98	
600-121191-B-4-A MS	15:52	97		97		94		97		95	
600-121191-C-4-A SD	15:58	104		104		98		99		98	
600-121181-12	16:39	103		102		100		100		98	
600-121181-15	16:44	100		100		98		98		97	
CCV 560-122028/56	17:01	105		103		100		97		97	
CCB 560-122028/57	17:11	107		105		100		98		97	
600-121181-16	17:17	98		98		96		96		96	
600-121181-17	17:22	99		99		95		96		97	
600-121181-18	17:28	96		95		93		94		93	
600-121181-19	17:34	99		99		96		96		95	
600-121181-20	17:40	98		98		95		97		95	
600-121181-21	17:45	99		98		95		96		95	
600-121181-22	17:51	96		96		94		94		94	
600-121181-25	17:57	95		95		94		93		92	
600-121181-26	18:03	97		97		91		91		91	
CCV 560-122028/68	18:25	98		98		94		92		91	
CCB 560-122028/69	18:35	100		100		99		97		95	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 11/14/2015 End Date: 11/14/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
CALIBSTD 560-122028	10:26	100									
IC 560-122028/2	10:31	99									
IC 560-122028/3	10:37	99									
IC 560-122028/4	10:42	98									
IC 560-122028/5	10:47	98									
IC 560-122028/6	10:52	93									
ICV 560-122028/8	11:08	87									
ICSA 560-122028/9	11:29	85									
ICSAB 560-122028/10	11:34	85									
ICB 560-122028/11	11:45	98									
CCV 560-122028/33	14:14	90									
CCB 560-122028/34	14:25	91									
MB 560-121939/1-A	14:58	92									
LCS 560-121939/2-A	15:03	86									
600-121191-C-4-B MS	15:20	86									
CCV 560-122028/44	15:36	93									
CCB 560-122028/45	15:47	92									
600-121191-B-4-A MS	15:52	82									
600-121191-C-4-A SD	15:58	89									
600-121181-12	16:39	86									
600-121181-15	16:44	85									
CCV 560-122028/56	17:01	87									
CCB 560-122028/57	17:11	88									
600-121181-16	17:17	83									
600-121181-17	17:22	82									
600-121181-18	17:28	79									
600-121181-19	17:34	81									
600-121181-20	17:40	82									
600-121181-21	17:45	81									
600-121181-22	17:51	80									
600-121181-25	17:57	80									
600-121181-26	18:03	79									
CCV 560-122028/68	18:25	81									
CCB 560-122028/69	18:35	87									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Batch Number: 121934 Batch Start Date: 11/12/15 08:00 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 11/12/15 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ESI-spkA 00011	ESI-spkB 00009	Si 00010
MB 560-121934/1		3010A, 6020		<2	50 mL	50 mL			
LCS 560-121934/2		3010A, 6020		<2	50 mL	50 mL	1 mL	1 mL	1 mL
600-121181-A-3	ARTESIA-MW32-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-3 MS	ARTESIA-MW32-110 32015	3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	1 mL
600-121181-A-3 MSD	ARTESIA-MW32-110 32015	3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	1 mL
600-121181-A-6	ARTESIA-MW26-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-7	ARTESIA-MW30-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-8	ARTESIA-HS29-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-9	ARTESIA-MW29-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-10	ARTESIA-MW28-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-11	ARTESIA-MD03-110 32015	3010A, 6020	D	<2	50 mL	50 mL			

Batch Notes	
Lot # of hydrochloric acid	1310762
Lot # of Nitric Acid	1313494
Hot Block ID number	Modblock2
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	t215
ID number of the thermometer	t215
Digestion Tube/Cup Lot #	1501179
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Batch Number: 121934 Batch Start Date: 11/12/15 08:00 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 11/12/15 10:30

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Batch Number: 121939 Batch Start Date: 11/12/15 09:30 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 11/12/15 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ESI-spkA 00011	ESI-spkB 00009	Si 00010
MB 560-121939/1		3010A, 6020		<2	50 mL	50 mL			
LCS 560-121939/2		3010A, 6020		<2	50 mL	50 mL	1 mL	1 mL	1 mL
600-121191-C-4 MS		3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	1 mL
600-121191-B-4 MSD		3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL	1 mL
600-121181-A-12	ARTESIA-MW34-110 32015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-15	ARTESIA-INLET-11 042015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-16	ARTESIA-MW25-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-17	ARTESIA-MD02-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-18	ARTESIA-MW22-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-19	ARTESIA-HS31-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-20	ARTESIA-MW31-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-21	ARTESIA-MW21-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-22	ARTESIA-MW20-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-25	ARTESIA-MD01-110 42015	3010A, 6020	D	<2	50 mL	50 mL			
600-121181-A-26	ARTESIA-MW18-110 42015	3010A, 6020	D	<2	50 mL	50 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-121181-1

SDG No.: _____

Batch Number: 121939 Batch Start Date: 11/12/15 09:30 Batch Analyst: Chavez, CesarBatch Method: 3010A Batch End Date: 11/12/15 12:00

Batch Notes	
Lot # of hydrochloric acid	1310765
Lot # of Nitric Acid	1313494
Hot Block ID number	Modblock2
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	172
ID number of the thermometer	t215
Digestion Tube/Cup Lot #	1501179
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

[illegible]

Client Information		Sample	Lab PM:	Carrier Tracking No(s)	COC No.					
Jeffrey Minchak		After Shave	Upon, Cathy L.	651783019252	600-31448-10612.1					
CH2M Hill, Inc.		505 918 1900	E-Mail cathy.upton@testamericalinc.com	651783019252	Page 2 of 4					
Address 4041 Jefferson Plaza NE Suite 200		Analysis Requested								
City Albuquerque	Due Date Requested:									
State, Zip NM, 87109	TAT Requested (days):									
Phone 281-721-8546(Tel)	PO #									
Email Jeffrey.Minchak@ch2m.com	WO #									
Project Name Dowell - Artesia Groundwater	Project #									
Site Dowell - Artesia Groundwater	SSOW#									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)	Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B, LL - (MOD) Custom List	6020 - Manganese, Dissolved	Total Number of Containers	Special Instructions/Note:
ARTESIA-HW3A-11032015	11/3/15	710	G	Water						
ARTESIA-OUTLET-11032015	11/4/15	5723	G	Water						
ARTESIA-HW10-11042015		5726	G	Water						
ARTESIA-INLET-11042015		5730	G	Water						
ARTESIA-HW25-11042015		5825	G	Water						
ARTESIA-HW22-11042015		5900	G	Water						
ARTESIA-HW22-11042015		5917	G	Water						
ARTESIA-HW21-11042015		5947	G	Water						
ARTESIA-HW21-11042015		1818	G	Water						
ARTESIA-HW21-11042015		1054	G	Water						
ARTESIA-HW20-11042015		1121	G	Water						
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										
Deliverable Requested: I, II, III, IV, Other (specify)										
Empty Kit Relinquished by:										
Relinquished by:										
Relinquished by:										
Relinquished by:										
Custody Seal No.:										
Custody Seals Intact:										
Cooler Temperature(s) °C and Other Remarks:										

Chain of Custody Record

Client Information		Lab PM Upton, Cathy L		Carrier Tracking No(s) 6517 0307 0262		COC No: 600-31448-10612.1					
Client Contact Jeffrey Minchak		E-Mail cathy.upton@testamericainc.com		Page 3 of 4		Page 3 of 4					
Company CH2M Hill, Inc.				Job #							
Address: 4041 Jefferson Plaza NE Suite 200		Due Date Requested:		Analysis Requested							
City: Albuquerque		TAT Requested (days): Std									
State, Zip: NM, 87109											
Phone: 281-721-8548 (Tel)		PO # 10381-7-101783									
Email: Jeffrey.Minchak@ch2m.com		WO #									
Project Name: Dowell - Artesia Groundwater		Project #: 60004334									
Site: Dowell - Artesia Groundwater		SSOW#									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sludge, Organic/Solid)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - (MOD) Custom List	6020 - Manganese, Dissolved	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	Special Instructions/Note:
ARTESIA-MW11-11042015	11/4/15	1157	G	Water		N	N				
ARTESIA-MW08-11042015		1224	G	Water		N	N				
ARTESIA-MD01-11042015		1230	G	Water		N	N				
ARTESIA-MW18-11042015		1251	G	Water		N	N				
ARTESIA-MW07-11042015		1330	G	Water		N	N				
ARTESIA-MW01-11042015		1405	G	Water		N	N				
ARTESIA-MW01-11042015-MG		1405	G	Water		N	N				
ARTESIA-MW01-11042015-MSD		1500	G	Water		N	N				
ARTESIA-MW17-11042015		1515	G	Water		N	N				
ARTESIA-HS12-11042015		1537	G	Water		N	N				
ARTESIA-MW12-11042015			G	Water		N	N				
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:									
Empty Kit Relinquished by:		Time:		Method of Shipment							
Relinquished by:		Date: 11/5/15 0940		Company: CH2M		Received by:		Date: 11/5/15 8:48		Company: CH2M	
Relinquished by:		Date: 11/5/15		Company:		Received by:		Date:		Company:	
Relinquished by:		Date:		Company:		Received by:		Date:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:									

Sample Receipt Checklist

'15 NOV 6 8:48

Date/Time Received: _____

JOB NUMBER: _____

CLIENT: CH2M Hill

UNPACKED BY: _____

CARRIER/DRIVER: Fedex SDCustody Seal Present: ☒ YES ☐ NONumber of Coolers Received: 2

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
<u>G7B</u>	Y / N	Y / N	<u>4.9</u>	<u>550</u>	<u>-0.3</u>	<u>4.6</u>
<u>I</u>	Y / N	Y / N	<u>4.6</u>	<u>I</u>	<u>I</u>	<u>4.3</u>
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☒ YES ☐ NOLABORATORY PRESERVATION OF SAMPLES REQUIRED: ☐ NO ☐ YESBase samples are > pH 12: ☐ YES ☐ NO Acid preserved are < pH 2: ☐ YES ☐ NO

pH paper Lot # _____

VOA headspace acceptable (5-6mm): ☐ YES ☐ NO ☐ NA

YES NO

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?

COMMENTS:

TRK # 651783878268

Chain of Custody Record



Client Information (Sub Contract Lab)				Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact:				Upton, Cathy L				600-17708.1	
Shipping/Receiving				E-Mail:				Page:	
Company:				cathy.upton@testamericainc.com				Page 1 of 2	
Address:				Due Date Requested:		Analysis Requested		Job #:	
1733 N. Padre Island Drive,				11/18/2015				600-121181-1	
City:				TAT Requested (days):				Preservation Codes:	
Corpus Christi								A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State, Zip:				PO #:				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
TX, 78408				WO #:					
Phone:				Project #:					
361-289-2673(Tel) 361-289-2471(Fax)				60004334					
Email:				SSOW#:					
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
								Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)	
								Preservation Code:	
ARTESIA-MW32-11032015 (600-121181-3)				11/3/15	13:20	Central	Water	X	1
ARTESIA-MW32-11032015 (600-121181-3MS)				11/3/15	13:20	Central	Water	X	1
ARTESIA-MW32-11032015 (600-121181-3MSD)				11/3/15	13:20	Central	Water	X	1
ARTESIA-MW26-11032015 (600-121181-6)				11/3/15	14:10	Central	Water	X	1
ARTESIA-MW30-11032015 (600-121181-7)				11/3/15	14:52	Central	Water	X	1
ARTESIA-HS29-11032015 (600-121181-8)				11/3/15	15:18	Central	Water	X	1
ARTESIA-MW29-11032015 (600-121181-9)				11/3/15	15:50	Central	Water	X	1
ARTESIA-MW28-11032015 (600-121181-10)				11/3/15	16:30	Central	Water	X	1
ARTESIA-MD03-11032015 (600-121181-11)				11/3/15	17:00	Central	Water	X	1
ARTESIA-MW34-11032015 (600-121181-12)				11/3/15	17:10	Central	Water	X	1
ARTESIA-INLET-11042015 (600-121181-15)				11/4/15	07:30	Central	Water	X	1
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by:									
Relinquished by:									
Relinquished by:									
Relinquished by:									

**6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646**

TestAmerica

COC No: _____

Client Information (Sub Contract Lab)						Carrier Tracking No(s):		COC No:
Client Contact: Shipping/Receiving						Lab PMT: Upton, Cathy L		600-17708.2
Company: TestAmerica Laboratories, Inc.						E-Mail: cathy.upton@testamericainc.com		Page: Page 2 of 2
Address: 1733 N. Padre Island Drive, City: Corpus Christi State, Zip: TX, 78408 Phone: 361-289-2673(Tel) 361-289-2471(Fax) Email:						Job #: 600-121181-1		
Project Name: Dowell - Artesia Groundwater Site:						Analysis Requested		
Due Date Requested: 11/18/2015 TAT Requested (days): PO #: WO #: Project #: 60004334 SSOW#:								
Sample Identification - Client ID (Lab ID)						Total Number of containers		
ARTESIA-MW25-11042015 (600-121181-16)						X		Special Instructions/Note: 0.3/0.4 y conc IRLO 0.9/1.0
ARTESIA-MD02-11042015 (600-121181-17)						X		
ARTESIA-MW22-11042015 (600-121181-18)						X		
ARTESIA-HS31-11042015 (600-121181-19)						X		
ARTESIA-MW31-11042015 (600-121181-20)						X		
ARTESIA-MW21-11042015 (600-121181-21)						X		
ARTESIA-MW20-11042015 (600-121181-22)						X		
ARTESIA-MD01-11042015 (600-121181-25)						X		
ARTESIA-MW18-11042015 (600-121181-26)						X		
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		
Empty Kit Relinquished by:						Method of Shipment:		
Relinquished by: [Signature]						Received by: [Signature]		Date/Time: 11-10-15
Relinquished by:						Received by:		Date/Time:
Relinquished by:						Received by:		Date/Time:

Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Login Number: 121181

List Source: TestAmerica Houston

List Number: 1

Creator: Jackson, Fallynn E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6/4.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 600-121181-1

Login Number: 121181

List Number: 2

Creator: Miller, April R

List Source: TestAmerica Corpus Christi

List Creation: 11/10/15 12:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	ICOC received
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C

Data Quality Evaluation

Dowell Artesia

Data Quality Evaluation

SDG 600-110437-1

Method SW6020

Reviewer: bjones7

Date: 5/21/2015

Matrix: WATER

Reviewed: _____

Field Samples

Field blank association lot values: LotNumber / FieldID / SDG

NativeID	QAQC Type	Dilution	ABLotValue	EBLotValue	TBLotValue
----------	--------------	----------	------------	------------	------------

WATER

ARTESIA-MW18-042220	N		1		
ARTESIA-MW21-042220	N		1		
ARTESIA-MW22-042220	N		1		
ARTESIA-DUP01-04222	FD		1		
ARTESIA-MW25-042220	N		1		

1. Case Narrative Items of Interest

No items of concern.

2. Blank Summary

Field Blanks NA

Method Blanks No Method Blank detects were found.

3. Spikes and Duplicates

Field Duplicates All acceptance criteria were met.

Laboratory Duplicates NA

Matrix Spike No MS's for this SDG.

4. Laboratory Control Sample All acceptance criteria were met.

5. Surrogates NA

6. Tuning and Mass Calibration NA

7. Internal Standard NA

8. Calibration Information

Initial Calibration All acceptance criteria were met.

Continuing Calibration All acceptance criteria were met.

9. Holding Time All acceptance criteria were met.

10. Confirmation NA

11. Summary

General Comments NA

Data Package Completeness Complete.

Forms Review/ Items of Interest NA

COC Review No discrepancies.

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID	ARTESIA-MW18-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MW21-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MW22-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-DUP01-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MW25-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.362		*	0.0116	0.05	mg/L	InvalidLabFlag (=)

Validated Form I

Dowell Artesia

Data Quality Evaluation

SDG 600-110437-1

Method SW8260B

Reviewer: bjones7

Date: 5/21/2015

Matrix: WATER

Reviewed: _____

Field Samples

Field blank association lot values: LotNumber / FieldID / SDG

NativeID	QAQC Type	Dilution	ABLotValue	EBLotValue	TBLotValue
WATER					
ARTESIA-MW7C-042220	N	1			
ARTESIA-MW12-042220	N	10			
ARTESIA-MW12-042220	N	1			
TRIP BLANK_042215	TB	1			
ARTESIA-MW18-042220	N	1			
ARTESIA-MW21-042220	N	1			
ARTESIA-MW22-042220	N	1			
ARTESIA-DUP01-04222	FD	1			
ARTESIA-MW25-042220	N	1			

1. Case Narrative Items of Interest

These LCS analytes were out of control: Bromomethane (BD), Bromomethane (BS). Continuing calibration; Samples ARTESIA-DUP01-04222015, ARTESIA-MW12-04222015, ARTESIA-MW18-04222015, ARTESIA-MW21-04222015, ARTESIA-MW22-04222015, ARTESIA-MW25-04222015, ARTESIA-MW7C-04222015, Bromomethane %D -29.7 vs. 20, Dichlorodifluoromethane %D -45.2 vs. 20, exceeded criteria.

2. Blank Summary

Field Blanks No Field Blank detects were found.

Method Blanks No Method Blank detects were found.

3. Spikes and Duplicates

Field Duplicates All acceptance criteria were met.

Laboratory Duplicates None in this SDG

Matrix Spike No MS's for this SDG.

- 4. Laboratory Control Sample** These LCS analytes were out of control: Bromomethane (BD), Bromomethane (BS), Chloroethane (BD), Chloroethane (BS). All acceptance criteria were met.

<u>Matrix</u>	<u>QAQC Type</u>	<u>Field ID</u>	<u>Analyte</u>	<u>Recovery</u>	<u>LowerLimit</u>	<u>UpperLimit</u>
WATER	BS	LCS 600-161246/3	Bromomethane	47	50	150
WATER	BS	LCS 600-161246/3	Chloroethane	154	40	150
WATER	BD	LCSD 600-161246/4	Bromomethane	46	50	150
WATER	BD	LCSD 600-161246/4	Chloroethane	158	40	150

- 5. Surrogates** All acceptance criteria were met.

- 6. Tuning and Mass Calibration** All acceptance criteria were met.

- 7. Internal Standard** All acceptance criteria were met.

8. Calibration Information

- Initial Calibration** All acceptance criteria were met.

- Continuing Calibration** Samples ARTESIA-DUP01-04222015, ARTESIA-MW12-04222015, ARTESIA-MW18-04222015, ARTESIA-MW21-04222015, ARTESIA-MW22-04222015, ARTESIA-MW25-04222015, ARTESIA-MW7C-04222015, Bromomethane %D -29.7 vs. 20, Dichlorodifluoromethane %D -45.2 vs. 20, exceeded criteria.

Flagging Category

Continuing calibration recovery less than the lower control limit

<u>Instrument</u>	<u>Date</u>	<u>Field ID</u>	<u>Analyte</u>
		TESIA-MW7C-042220	Bromomethane
		TESIA-MW25-042220	Bromomethane
		TESIA-MW22-042220	Bromomethane
		TESIA-MW21-042220	Bromomethane
		TESIA-MW18-042220	Bromomethane
		TESIA-MW12-042220	Bromomethane
		TESIA-DUP01-042220	Bromomethane
		TESIA-MW7C-042220	Dichlorodifluoromethane
		TESIA-MW25-042220	Dichlorodifluoromethane
		TESIA-MW22-042220	Dichlorodifluoromethane
		TESIA-MW21-042220	Dichlorodifluoromethane
		TESIA-MW18-042220	Dichlorodifluoromethane
		TESIA-MW12-042220	Dichlorodifluoromethane
		TESIA-DUP01-042220	Dichlorodifluoromethane

- 9. Holding Time** All acceptance criteria were met.

- 10. Confirmation** NA

11. Summary

General Comments

These LCS analytes were out of control: Bromomethane (BD), Bromomethane (BS). Continuing calibration; Samples ARTESIA-DUP01-04222015, ARTESIA-MW12-04222015, ARTESIA-MW18-04222015, ARTESIA-MW21-04222015, ARTESIA-MW22-04222015, ARTESIA-MW25-04222015, ARTESIA-MW7C-04222015, Bromomethane %D -29.7 vs. 20, Dichlorodifluoromethane %D -45.2 vs. 20, exceeded criteria.

Data Package Completeness Complete.

Forms Review/ Items of Interest NA

COC Review No discrepancies.

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID	ARTESIA-MW7C-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	0.168	U	U	0.168	1	ug/L	
1,1-Dichloroethene	0.388	J	J	0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	

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Field ID	ARTESIA-MW7C-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	CCV<LCL (UJ)
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	0.514	U	U	0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.258	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW12-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	25			0.168	1	ug/L	
1,1-Dichloroethene	2.03			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	72.6			2.15	10	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.661	J	J	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	

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Field ID

ARTESIA-MW12-04222015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	9.53			0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.211	J	J	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	39.5			0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	CCV<LCL (UJ)
Ethylbenzene	18.9			0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	38.3			0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	9.64			0.205	1	ug/L	
Naphthalene	20.4			0.129	2	ug/L	
n-Butylbenzene	2.99			0.212	1	ug/L	
N-Propylbenzene	9.98			0.23	1	ug/L	
o-Xylene	0.524	J	J	0.192	1	ug/L	
p-Isopropyltoluene	0.871	J	J	0.228	1	ug/L	
sec-Butylbenzene	3.91			0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	1.6			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	2.42			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	10.2			0.366	2	ug/L	

Validated Form I

Field ID

ARTESIA-MW18-04222015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	0.168	U	U	0.168	1	ug/L	
1,1-Dichloroethene	1.41			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.274	J	J	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	CCV<LCL (UJ)
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	

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Field ID	ARTESIA-MW18-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	1.45			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.295	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW21-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	0.75	J	J	0.168	1	ug/L	
1,1-Dichloroethene	1.33			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	

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Field ID	ARTESIA-MW21-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	CCV<LCL (UJ)
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	1.07			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.3	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW22-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	3.47			0.168	1	ug/L	
1,1-Dichloroethene	10.2			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	

Validated Form I

Field ID	ARTESIA-MW22-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	CCV<LCL (UJ)
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	

Validated Form I

Field ID	ARTESIA-MW22-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Tetrachloroethene	11.5			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	2.65			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-DUP01-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	3.71			0.168	1	ug/L	
1,1-Dichloroethene	11.1			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)

Validated Form I

Field ID	ARTESIA-DUP01-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chloroform	0.151	U	U	0.151	1	ug/L	CCV<LCL (UJ)
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	12.2			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	2.89			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW25-04222015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	2.08			0.168	1	ug/L	
1,1-Dichloroethene	1.3			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	U	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	

Validated Form I

Field ID

ARTESIA-MW25-04222015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	CCV<LCL (UJ)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
	0.25	UJL	U	0.25	2	ug/L	LCS<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
	0.24	U	U	0.24	2	ug/L	LCS>UCL (None)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	CCV<LCL (UJ)
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	5.45			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.639	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Validated Form I

Validation Flag Abbreviations

<i>Abbreviation</i>	<i>Validation Reason</i>	<i>Category</i>
CCV<LCL	Continuing calibration recovery less than the lower control limit	Calibration
LCS<LCL	LCS recovery less than the lower control limit	LaboratoryControlSample
LCS>UCL	LCS recovery greater than the upper control limit	LaboratoryControlSample

Dowell Artesia

Data Quality Evaluation

SDG 600-110504-1

Method SW6020

Reviewer: bjones7

Date: 5/22/2015

Matrix: WATER

Reviewed: _____

Field Samples

Field blank association lot values: LotNumber / FieldID / SDG

NativeID	QAQC Type	Dilution	ABLotValue	EBLotValue	TBLotValue
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WATER

ARTESIA-MW26-042320	N	1			
ARTESIA-MW30-042320	N	1			
ARTESIA-MW31-042320	N	1			
ARTESIA-MW34-042320	N	1			
ARTESIA-MW34-042320	MS	1			
ARTESIA-MW34-042320	SD	1			
ARTESIA-MW28-042320	N	1			
ARTESIA-DUP02-04232	FD	1			
ARTESIA-MW32-042320	N	1			
ARTESIA-MW29-042320	N	1			

1. Case Narrative Items of Interest

No items of concern.

2. Blank Summary

Field Blanks NA

Method Blanks No Method Blank detects were found.

3. Spikes and Duplicates

Field Duplicates All acceptance criteria were met.

Laboratory Duplicates None in this SDG

Matrix Spike All MS acceptance criteria were met. All SD acceptance criteria were met. All RPD acceptance criteria were met.

4. Laboratory Control Sample All acceptance criteria were met.

5. Surrogates NA

6. Tuning and Mass Calibration NA

7. Internal Standard NA

8. Calibration Information

Initial Calibration All acceptance criteria were met.

Continuing Calibration All acceptance criteria were met.

9. Holding Time All acceptance criteria were met.

10. Confirmation NA

11. Summary

General Comments NA

Data Package Completeness Complete.

Forms Review/ Items of Interest NA

COC Review No discrepancies.

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID	ARTESIA-MW26-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0153	J	J	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW30-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW31-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW34-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW28-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-DUP02-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW32-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Validated Form I

Field ID		ARTESIA-MW29-04232015					
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0222	J	J	0.0116	0.05	mg/L	

Validated Form I

Dowell Artesia

Data Quality Evaluation

SDG 600-110504-1

Method SW8260B

Reviewer: bjones7

Date: 5/22/2015

Matrix: WATER

Reviewed: _____

Field Samples

Field blank association lot values: LotNumber / FieldID / SDG

NativeID	QAQC Type	Dilution	ABLotValue	EBLotValue	TBLotValue
WATER					
ARTESIA-MW26-042320	N	1			
ARTESIA-MW30-042320	N	1			
ARTESIA-MW31-042320	N	1			
ARTESIA-MW34-042320	N	1			
ARTESIA-MW34-042320	MS	1			
ARTESIA-MW34-042320	SD	1			
ARTESIA-MW28-042320	N	1			
ARTESIA-DUP02-04232	FD	1			
ARTESIA-MW32-042320	N	1			
TRIP BLANK_042315	TB	1			
ARTESIA-MW33-042320	N	1			
ARTESIA-MW29-042320	N	1			

1. Case Narrative Items of Interest

Continuing calibration; Samples ARTESIA-DUP02-04232015, ARTESIA-MW26-04232015, ARTESIA-MW28-04232015, ARTESIA-MW29-04232015, ARTESIA-MW30-04232015, ARTESIA-MW31-04232015, ARTESIA-MW32-04232015, ARTESIA-MW33-04232015, ARTESIA-MW34-04232015, TRIP BLANK_042315, 1,2,4-Trichlorobenzene %D -23.7 vs. 20, exceeded criteria. These MS's were out of control: Styrene (MS - ARTESIA-MW34-04232015MS). These MS's were out of control: 2-Chloroethyl vinyl ether (MS - ARTESIA-MW34-04232015MS), Styrene (MS - ARTESIA-MW34-04232015MS). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Bromomethane (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), Chloromethane (SD - ARTESIA-MW34-04232015SD), p-Isopropyltoluene (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), p-Isopropyltoluene (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These MS/SD RPD's were out of control: Bromomethane (ARTESIA-MW34-04232015), Chloroethane (ARTESIA-MW34-04232015), Chloromethane (ARTESIA-MW34-04232015), Dichlorodifluoromethane (ARTESIA-MW34-04232015), Trichlorofluoromethane (ARTESIA-MW34-04232015), Vinyl chloride (ARTESIA-MW34-04232015).

2. Blank Summary

Field Blanks No Field Blank detects were found.

Method Blanks No Method Blank detects were found.

3. Spikes and Duplicates

Field Duplicates All acceptance criteria were met.

Laboratory Duplicates NA

Matrix Spike These MS's were out of control: Styrene (MS - ARTESIA-MW34-04232015MS). These MS's were out of control: 2-Chloroethyl vinyl ether (MS - ARTESIA-MW34-04232015MS), Styrene (MS - ARTESIA-MW34-04232015MS). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Bromomethane (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), Chloromethane (SD - ARTESIA-MW34-04232015SD), p-Isopropyltoluene (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), p-Isopropyltoluene (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These MS/SD RPD's were out of control: Bromomethane (ARTESIA-MW34-04232015), Chloroethane (ARTESIA-MW34-04232015), Chloromethane (ARTESIA-MW34-04232015), Dichlorodifluoromethane (ARTESIA-MW34-04232015), Trichlorofluoromethane (ARTESIA-MW34-04232015), Vinyl chloride (ARTESIA-MW34-04232015).

<i>Matrix</i>	<i>Sample ID</i>	<i>LR Type</i>	<i>Analyte</i>	<i>Result</i>	<i>MS/MSD Qualifier*</i>	<i>Criteria</i>
WATER			<u>2-Chloroethyl vinyl ether</u>			
	ARTESIA-MW34-042320			0.5 ug/L	R	MS<LCL
	ARTESIA-MW34-042320			0.5 ug/L	R	SD<LCL
WATER			<u>Bromomethane</u>			
	ARTESIA-MW34-042320			0.25 ug/L	UJ	MSRPD
	ARTESIA-MW34-042320			0.25 ug/L	UJL	SD<LCL
WATER			<u>Chloroethane</u>			
	ARTESIA-MW34-042320			0.24 ug/L	UJ	MSRPD
	ARTESIA-MW34-042320			0.24 ug/L	UJL	SD<LCL
WATER			<u>Chloromethane</u>			
	ARTESIA-MW34-042320			0.209 ug/L	UJ	MSRPD
	ARTESIA-MW34-042320			0.209 ug/L	UJL	SD<LCL
WATER			<u>Dichlorodifluoromethane</u>			
	ARTESIA-MW34-042320			0.859 ug/L	UJ	MSRPD
WATER			<u>p-Isopropyltoluene</u>			
	ARTESIA-MW34-042320			0.228 ug/L	UJL	SD<LCL
WATER			<u>Styrene</u>			

WATER	ARTESIA-MW34-042320	0.175 ug/L	R	MS<LCL
	ARTESIA-MW34-042320	0.175 ug/L	R	SD<LCL
	<u>Trichlorofluoromethane</u>			
WATER	ARTESIA-MW34-042320	0.244 ug/L	UJ	MSRPD
	ARTESIA-MW34-042320	0.244 ug/L	UJL	SD<LCL
	<u>Vinyl chloride</u>			
WATER	ARTESIA-MW34-042320	0.248 ug/L	UJ	MSRPD
	ARTESIA-MW34-042320	0.248 ug/L	UJL	SD<LCL

4. Laboratory Control Sample

All acceptance criteria were met.

5. Surrogates

All acceptance criteria were met.

6. Tuning and Mass Calibration

All acceptance criteria were met.

7. Internal Standard

All acceptance criteria were met.

8. Calibration Information

Initial Calibration

All acceptance criteria were met.

Continuing Calibration

Samples ARTESIA-DUP02-04232015, ARTESIA-MW26-04232015, ARTESIA-MW28-04232015, ARTESIA-MW29-04232015, ARTESIA-MW30-04232015, ARTESIA-MW31-04232015, ARTESIA-MW32-04232015, ARTESIA-MW33-04232015, ARTESIA-MW34-04232015, TRIP BLANK_042315, 1,2,4-Trichlorobenzene %D -23.7 vs. 20, exceeded criteria.

Flagging Category

Continuing calibration recovery less than the lower control limit

<u>Instrument</u>	<u>Date</u>	<u>Field ID</u>	<u>Analyte</u>
		TESIA-MW34-042320	1,2,4-Trichlorobenzene
		TESIA-MW33-042320	1,2,4-Trichlorobenzene
		TESIA-MW32-042320	1,2,4-Trichlorobenzene
		TESIA-MW31-042320	1,2,4-Trichlorobenzene
		TESIA-MW30-042320	1,2,4-Trichlorobenzene
		TESIA-MW29-042320	1,2,4-Trichlorobenzene
		TESIA-MW28-042320	1,2,4-Trichlorobenzene
		TESIA-MW26-042320	1,2,4-Trichlorobenzene
		TESIA-DUP02-042320	1,2,4-Trichlorobenzene

9. Holding Time

All acceptance criteria were met.

10. Confirmation

NA

11. Summary

General Comments

Continuing calibration; Samples ARTESIA-DUP02-04232015, ARTESIA-MW26-04232015, ARTESIA-MW28-04232015, ARTESIA-MW29-04232015, ARTESIA-MW30-04232015, ARTESIA-MW31-04232015, ARTESIA-MW32-04232015, ARTESIA-MW33-04232015, ARTESIA-MW34-04232015, TRIP BLANK_042315, 1,2,4-Trichlorobenzene %D -23.7 vs. 20, exceeded criteria. These MS's were out of control: Styrene (MS - ARTESIA-MW34-04232015MS). These MS's were out of control: 2-Chloroethyl vinyl ether (MS - ARTESIA-MW34-04232015MS), Styrene (MS - ARTESIA-MW34-04232015MS). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Bromomethane (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), Chloromethane (SD - ARTESIA-MW34-04232015SD), p-Isopropyltoluene (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), p-Isopropyltoluene (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW34-04232015SD), Chloroethane (SD - ARTESIA-MW34-04232015SD), Styrene (SD - ARTESIA-MW34-04232015SD), Trichlorofluoromethane (SD - ARTESIA-MW34-04232015SD), Vinyl chloride (SD - ARTESIA-MW34-04232015SD). These MS/SD RPD's were out of control: Bromomethane (ARTESIA-MW34-04232015), Chloroethane (ARTESIA-MW34-04232015), Chloromethane (ARTESIA-MW34-04232015), Dichlorodifluoromethane (ARTESIA-MW34-04232015), Trichlorofluoromethane (ARTESIA-MW34-04232015), Vinyl chloride (ARTESIA-MW34-04232015).

Data Package Completeness Complete.

Forms Review/ Items of Interest NA

COC Review No discrepancies.

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID	ARTESIA-MW26-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	0.271	J	J	0.168	1	ug/L	
1,1-Dichloroethene	1.88			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	

Validated Form I

Field ID	ARTESIA-MW26-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	1.04			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.558	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW30-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	5.2			0.168	1	ug/L	
1,1-Dichloroethene	14.7			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.183	J	J	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	

Validated Form I

Field ID	ARTESIA-MW30-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	16.9			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	4.18			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW31-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	

Validated Form I

Field ID

ARTESIA-MW31-04232015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1-Dichloroethane	0.168	U	U	0.168	1	ug/L	CCV<LCL (UJ)
1,1-Dichloroethene	0.192	U	U	0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	

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Field ID	ARTESIA-MW31-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	0.514	U	U	0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.138	U	U	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW34-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	1.85			0.168	1	ug/L	
1,1-Dichloroethene	3.73			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	R	U	0.5	2	ug/L	MS<LCL (R)
	0.5	R	U	0.5	2	ug/L	SD<LCL (R)
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	UJL	U	0.25	2	ug/L	MSRPD (UJ)
	0.25	UJL	U	0.25	2	ug/L	SD<LCL (UJL)
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	UJL	U	0.24	2	ug/L	MSRPD (UJ)

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Field ID	ARTESIA-MW34-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
	0.24	UJL	U	0.24	2	ug/L	SD<LCL (UJL)
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	UJL	U	0.209	2	ug/L	MSRPD (UJ)
	0.209	UJL	U	0.209	2	ug/L	SD<LCL (UJL)
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	UJ	U	0.859	1	ug/L	MSRPD (UJ)
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	UJL	U	0.228	1	ug/L	SD<LCL (UJL)
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	R	U	0.175	1	ug/L	MS<LCL (R)
	0.175	R	U	0.175	1	ug/L	SD<LCL (R)
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	2.91			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.962	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	UJL	U	0.244	1	ug/L	MSRPD (UJ)
	0.244	UJL	U	0.244	1	ug/L	SD<LCL (UJL)
Vinyl chloride	0.248	UJL	U	0.248	2	ug/L	MSRPD (UJ)
	0.248	UJL	U	0.248	2	ug/L	SD<LCL (UJL)
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW28-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	6.79			0.168	1	ug/L	
1,1-Dichloroethene	21.6			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	

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Field ID

ARTESIA-MW28-04232015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.182	J	J	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.428	J	J	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.665	J	J	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	18.8			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	6.72			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	

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Field ID		ARTESIA-MW28-04232015					
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID		ARTESIA-DUP02-04232015					
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	5.09			0.168	1	ug/L	
1,1-Dichloroethene	15			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.163	J	J	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	

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Field ID	ARTESIA-DUP02-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	18.1			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	4.42			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW32-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	0.414	J	J	0.168	1	ug/L	
1,1-Dichloroethene	1.5			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	

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Field ID	ARTESIA-MW32-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	1.97			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.579	J	J	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW33-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	0.168	U	U	0.168	1	ug/L	
1,1-Dichloroethene	0.192	U	U	0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	

Validated Form I

Field ID

ARTESIA-MW33-04232015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	CCV<LCL (UJ)
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.157	U	U	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	0.105	U	U	0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	0.514	U	U	0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	

Validated Form I

Field ID	ARTESIA-MW33-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	0.138	U	U	0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Field ID	ARTESIA-MW29-04232015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.178	U	U	0.178	1	ug/L	
1,1,1-Trichloroethane	0.209	U	U	0.209	1	ug/L	
1,1,2,2-Tetrachloroethane	0.197	U	U	0.197	1	ug/L	
1,1,2-Trichloroethane	0.28	U	U	0.28	1	ug/L	
1,1-Dichloroethane	4.77			0.168	1	ug/L	
1,1-Dichloroethene	16.2			0.192	1	ug/L	
1,1-Dichloropropene	0.191	U	U	0.191	1	ug/L	
1,2,3-Trichlorobenzene	0.57	U	U	0.57	1	ug/L	
1,2,3-Trichloropropane	0.29	U	U	0.29	1	ug/L	
1,2,4-Trichlorobenzene	0.177	UJ	U	0.177	1	ug/L	CCV<LCL (UJ)
1,2,4-Trimethylbenzene	0.215	U	U	0.215	1	ug/L	
1,2-Dibromo-3-Chloropropane	0.81	U	U	0.81	1	ug/L	
1,2-Dichlorobenzene	0.153	U	U	0.153	1	ug/L	
1,2-Dichloroethane	0.116	U	U	0.116	1	ug/L	
1,2-Dichloropropane	0.136	U	U	0.136	1	ug/L	
1,3,5-Trimethylbenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichlorobenzene	0.21	U	U	0.21	1	ug/L	
1,3-Dichloropropane	0.22	U	U	0.22	1	ug/L	
1,4-Dichlorobenzene	0.176	U	U	0.176	1	ug/L	
2,2-Dichloropropane	0.258	U	U	0.258	1	ug/L	
2-Butanone (MEK)	0.76	U	U	0.76	2	ug/L	
2-Chloroethyl vinyl ether	0.5	U	U	0.5	2	ug/L	
2-Chlorotoluene	0.226	U	U	0.226	1	ug/L	
4-Chlorotoluene	0.21	U	U	0.21	1	ug/L	
Benzene	0.176	U	U	0.176	1	ug/L	
Bromobenzene	0.195	U	U	0.195	1	ug/L	
Bromochloromethane	0.162	U	U	0.162	1	ug/L	
Bromodichloromethane	0.153	U	U	0.153	1	ug/L	
Bromoform	0.151	U	U	0.151	1	ug/L	
Bromomethane	0.25	U	U	0.25	2	ug/L	
Carbon tetrachloride	0.183	U	U	0.183	1	ug/L	
Chlorobenzene	0.185	U	U	0.185	1	ug/L	
Chlorodibromomethane	0.119	U	U	0.119	1	ug/L	
Chloroethane	0.24	U	U	0.24	2	ug/L	
Chloroform	0.151	U	U	0.151	1	ug/L	
Chloromethane	0.209	U	U	0.209	2	ug/L	
cis-1,2-Dichloroethene	0.476	J	J	0.157	1	ug/L	
cis-1,3-Dichloropropene	0.16	U	U	0.16	1	ug/L	
Dibromomethane	0.52	U	U	0.52	1	ug/L	

Validated Form I

Field ID

ARTESIA-MW29-04232015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Dichlorodifluoromethane	0.859	U	U	0.859	1	ug/L	
Ethylbenzene	0.212	U	U	0.212	1	ug/L	
Ethylene Dibromide	0.111	U	U	0.111	1	ug/L	
Hexachlorobutadiene	0.215	U	U	0.215	1	ug/L	
Isopropylbenzene	0.241	U	U	0.241	1	ug/L	
Methyl tert-butyl ether	1.36			0.105	1	ug/L	
Methylene Chloride	0.176	U	U	0.176	5	ug/L	
m-Xylene & p-Xylene	0.205	U	U	0.205	1	ug/L	
Naphthalene	0.129	U	U	0.129	2	ug/L	
n-Butylbenzene	0.212	U	U	0.212	1	ug/L	
N-Propylbenzene	0.23	U	U	0.23	1	ug/L	
o-Xylene	0.192	U	U	0.192	1	ug/L	
p-Isopropyltoluene	0.228	U	U	0.228	1	ug/L	
sec-Butylbenzene	0.224	U	U	0.224	1	ug/L	
Styrene	0.175	U	U	0.175	1	ug/L	
tert-Butylbenzene	0.216	U	U	0.216	1	ug/L	
Tetrachloroethene	10.3			0.514	1	ug/L	
Toluene	0.198	U	U	0.198	1	ug/L	
trans-1,2-Dichloroethene	0.192	U	U	0.192	1	ug/L	
trans-1,3-Dichloropropene	0.137	U	U	0.137	1	ug/L	
Trichloroethene	5.27			0.138	1	ug/L	
Trichlorofluoromethane	0.244	U	U	0.244	1	ug/L	
Vinyl chloride	0.248	U	U	0.248	2	ug/L	
Xylenes, Total	0.366	U	U	0.366	2	ug/L	

Validation Flag Abbreviations

<i>Abbreviation</i>	<i>Validation Reason</i>	<i>Category</i>
CCV<LCL	Continuing calibration recovery less than the lower control limit	Calibration
MS<LCL	Matrix spike recovery less than the lower control limit	Matrix
MSRPD	Matrix spike RPD criteria exceeded	Matrix
SD<LCL	Matrix spike duplicate recovery criteria less than the lower control limit	Matrix

Dowell Artesia

Data Quality Evaluation

SDG 600-121181-1

Method SW6020

Reviewer: aklopper

Date: 2/11/2016

Matrix: WATER

Reviewed: _____

Field Samples

Field blank association lot values: LotNumber / FieldID / SDG

NativeID	QAQC Type	Dilution	ABLotValue	EBLotValue	TBLotValue
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WATER

ARTESIA-MW28-110320	N	1			
ARTESIA-MD03-110320	FD	1			
ARTESIA-MW34-110320	N	1			
ARTESIA-INLET-110420	N	1			
ARTESIA-MW25-110420	N	1			
ARTESIA-MD02-110420	FD	1			
ARTESIA-MW22-110420	N	1			
ARTESIA-HS31-1104201	N	1			
ARTESIA-MW31-110420	N	1			
ARTESIA-MW21-110420	N	1			
ARTESIA-MW20-110420	N	1			
ARTESIA-MD01-110420	FD	1			
ARTESIA-MW18-110420	N	1			
ARTESIA-MW32-110320	N	1			
ARTESIA-MW32-110320	MS	1			
ARTESIA-MW32-110320	SD	1			
ARTESIA-MW26-110320	N	1			
ARTESIA-MW30-110320	N	1			
ARTESIA-HS29-1103201	N	1			
ARTESIA-MW29-110320	N	1			

1. Case Narrative Items of Interest

All acceptance criteria were met.

2. Blank Summary

Field Blanks No Field Blanks were found.

Method Blanks No Method Blank detects were found.

3. Spikes and Duplicates

Field Duplicates All acceptance criteria were met.

Laboratory Duplicates None in this SDG

Matrix Spike All acceptance criteria were met.

4. Laboratory Control Sample All acceptance criteria were met.

5. Surrogates

**6. Tuning and Mass
Calibration**

7. Internal Standard

8. Calibration Information

Initial Calibration All acceptance criteria were met.

Continuing Calibration All acceptance criteria were met.

9. Holding Time All acceptance criteria were met.

10. Confirmation

11. Summary

General Comments

Data Package Completeness The data package was complete.

**Forms Review/ Items of
Interest** No samples were excluded for dilutions or re-extractions.

COC Review No discrepancies were noted

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID	ARTESIA-MW28-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MD03-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MW34-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-INLET-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0414	J	J	0.0116	0.05	mg/L	

Field ID	ARTESIA-MW25-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MD02-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID	ARTESIA-MW22-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Validated Form I

Field ID	ARTESIA-HS31-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW31-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW21-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW20-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0159	J	J	0.0116	0.05	mg/L	
Field ID	ARTESIA-MD01-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW18-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW32-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW26-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0158	J	J	0.0116	0.05	mg/L	
Field ID	ARTESIA-MW30-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Validated Form I

Field ID		ARTESIA-HS29-11032015					
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0116	U	U	0.0116	0.05	mg/L	

Field ID		ARTESIA-MW29-11032015					
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Manganese, Dissolved	0.0519			0.0116	0.05	mg/L	

Validated Form I

Dowell Artesia

Data Quality Evaluation

SDG 600-121181-1

Method SW8260B

Reviewer: aklopper

Date: 2/11/2016

Matrix: WATER

Reviewed: _____

Field Samples

Field blank association lot values: LotNumber / FieldID / SDG

NativeID	QAQC Type	Dilution	ABLotValue	EBLotValue	TBLotValue
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WATER

TRIP BLANK-11032015	TB	1			
ARTESIA-MW28-110320	N	1			
ARTESIA-MD03-110320	FD	1			
ARTESIA-MW34-110320	N	1			
ARTESIA-OUTLET-1104	N	1			
ARTESIA-MID-11042015	N	1			
ARTESIA-INLET-110420	N	1			
ARTESIA-MW25-110420	N	1			
ARTESIA-MD02-110420	FD	1			
ARTESIA-MW22-110420	N	1			
ARTESIA-HS31-1104201	N	1			
ARTESIA-MW33-110320	N	1			
ARTESIA-MW31-110420	N	1			
ARTESIA-MW21-110420	N	1			
ARTESIA-MW20-110420	N	1			
ARTESIA-MW11-110420	N	1			
ARTESIA-MW08-110420	N	1			
ARTESIA-MD01-110420	FD	1			
ARTESIA-MW18-110420	N	1			
ARTESIA-MW07-110420	N	1			
ARTESIA-MW01-110420	N	1			
ARTESIA-MW01-110420	MS	1			
ARTESIA-MW01-110420	SD	1			
ARTESIA-MW32-110320	N	1			
ARTESIA-MW32-110320	MS	1			
ARTESIA-MW32-110320	SD	1			
ARTESIA-MW17C-11042	N	1			
ARTESIA-HS12-1104201	N	10			
ARTESIA-HS12-1104201	N	100			
ARTESIA-MW12-110420	N	10			
ARTESIA-MW12-110420	N	100			
ARTESIA-MW15-110420	N	1			
ARTESIA-MW26-110320	N	1			
ARTESIA-MW30-110320	N	1			
ARTESIA-HS29-1103201	N	1			

ARTESIA-MW29-110320 N 1

**1. Case Narrative
Items of Interest**

CCV, MS/MSD, LCS, MB

2. Blank Summary**Field Blanks**

No Field Blank detects were found.

Method Blanks

These analytes had Method Blank detects: Naphthalene. All results < 5x blk flagged U.

<u>Blank Type</u>	<u>Blank ID</u>	<u>Analyte</u>	<u>Result</u>	<u>ReportLimit</u>	<u>LabFlag</u>	<u>Units</u>	<u>SDG</u>
LB	MB 600-176238/6	Naphthalene	0.000141	0.002	J	mg/L	600-121181-1
LB	MB 600-176357/6	Naphthalene	0.0001662	0.002	J	mg/L	600-121181-1

3. Spikes and Duplicates**Field Duplicates**

All acceptance criteria were met.

Laboratory Duplicates

None in this SDG

Matrix Spike

These MS's were out of control: 2-Chloroethyl vinyl ether (MS - ARTESIA-MW01-11042015MS), 2-Chloroethyl vinyl ether (MS - ARTESIA-MW32-11032015MS). These SD's were out of control: 2-Chloroethyl vinyl ether (SD - ARTESIA-MW01-11042015SD), 2-Chloroethyl vinyl ether (SD - ARTESIA-MW32-11032015SD). %R < 10% Parent results were non-detects and were rejected, R.

These SD's were out of control: Methylene Chloride (SD - ARTESIA-MW01-11042015SD). %R < LCL. Flagged parent result UJ.

<u>Matrix</u>	<u>Sample ID</u>	<u>LR Type</u>	<u>Analyte</u>	<u>Result</u>	<u>MS/MSD Qualifier*</u>	<u>Criteria</u>
WATER			<u>2-Chloroethyl vinyl ether</u>			
	ARTESIA-MW01-110420			0.0005 mg/L	R	MS<LCL
	ARTESIA-MW01-110420			0.0005 mg/L	R	SD<LCL
	ARTESIA-MW32-110320			0.0005 mg/L	R	MS<LCL
	ARTESIA-MW32-110320			0.0005 mg/L	R	SD<LCL
WATER			<u>Methylene Chloride</u>			
	ARTESIA-MW01-110420			0.000176 mg/L	UJ	SD<LCL

4. Laboratory Control Sample

These LCS analytes were out of control: n-Butylbenzene (BS). %R > UCL. All associated results were non-detects. No flags were applied.

<u>Matrix</u>	<u>QAQC Type</u>	<u>Field ID</u>	<u>Analyte</u>	<u>Recovery</u>	<u>LowerLimit</u>	<u>UpperLimit</u>
WATER	BS	LCS 600-176238/3	n-Butylbenzene	131	70	130

5. Surrogates

All acceptance criteria were met.

**6. Tuning and Mass
Calibration**

All acceptance criteria were met.

7. Internal Standard

All acceptance criteria were met.

8. Calibration Information**Initial Calibration**

All acceptance criteria were met.

Continuing Calibration

Samples ARTESIA-MD03-11032015, 2-Chloroethyl Vinyl Ether %D 26.8% low vs. 20, exceeded criteria. Instrument: CHVOAMS07 Cal Date: 11/10/2015. Low %D - flagged J/UJ.

Samples ARTESIA-HS12-11042015, ARTESIA-HS12-11042015, ARTESIA-MW12-11042015, ARTESIA-MW12-11042015, 4-Isopropyltoluene %D 25.2% high vs. 20, n-Butylbenzene %D 26.4% high vs. 20, sec-Butylbenzene %D 21.2% high vs. 20, exceeded criteria. Instrument: CHVOAMS07 Cal Date: 11/13/2015. High %D. Flagged detects only, J.

Flagging Category**Continuing calibration recovery greater than the upper control limit**

<u>Instrument</u>	<u>Date</u>	<u>Field ID</u>	<u>Analyte</u>
:HVOAMS07	#####	RTESIA-MW12-110420	n-Butylbenzene
:HVOAMS07	#####	RTESIA-HS12-110420:	n-Butylbenzene
:HVOAMS07	#####	RTESIA-MW12-110420	p-Isopropyltoluene
:HVOAMS07	#####	RTESIA-HS12-110420:	p-Isopropyltoluene
:HVOAMS07	#####	RTESIA-MW12-110420	sec-Butylbenzene
:HVOAMS07	#####	RTESIA-HS12-110420:	sec-Butylbenzene

Flagging Category**Continuing calibration recovery less than the lower control limit**

<u>Instrument</u>	<u>Date</u>	<u>Field ID</u>	<u>Analyte</u>
:HVOAMS07	#####	RTESIA-MD03-110320:	2-Chloroethyl vinyl ether

9. Holding Time

All acceptance criteria were met.

10. Confirmation**11. Summary****General Comments****Data Package Completeness**

the data package was complete.

Forms Review/ Items of Interest

These NativeIDs had dilutions or re-extractions that were flagged Exclude: ARTESIA-HS12-11042015, ARTESIA-MW12-11042015.

COC Review

No discrepancies were noted

Validated Form I

Final Data Flags*

*When the data evaluation process results in multiple flags, the most severe flag becomes the final data flag. All flags are from the site-specific QAPP, except the "exclude" flag that is used to designate results that are not for risk assessment (for example, a result from a dilution where the original undiluted result is appropriate).

Field ID	ARTESIA-MW28-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00626			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.0155			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000334	J	J	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW28-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	LB<RL (U)
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000425	J	J	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.0002	U	J B	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.0183			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00506			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MD03-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	CCV<LCL (U)
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00206			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00502			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	UJ	U	0.0005	0.002	mg/L	

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Validated Form I

Field ID	ARTESIA-MD03-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00475			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00129			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW34-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW34-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1-Dichloroethane	0.0021			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00541			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW34-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00516			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.0014			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-OUTLET-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	

Validated Form I

Field ID	ARTESIA-OUTLET-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000301	J	J	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MID-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00173			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MID-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000209	J	J	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-INLET-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)

Validated Form I

Field ID	ARTESIA-INLET-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00509			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.0177			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000218	J	J	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000592	J	J	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000266	J	J	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000182	J	J	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-INLET-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.0182			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00472			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW25-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00133			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00441			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW25-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00503			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00103			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MD02-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00141			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00468			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

Validated Form I

Field ID

ARTESIA-MD02-11042015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00515			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00103			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Validated Form I

Field ID	ARTESIA-MW22-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00142			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00366			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW22-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00401			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000914	J	J	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-HS31-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-HS31-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW33-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

Field ID

ARTESIA-MW33-11032015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Validated Form I

Field ID	ARTESIA-MW31-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	

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Field ID	ARTESIA-MW31-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW21-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

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Field ID	ARTESIA-MW21-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW20-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00943			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00162			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

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Field ID

ARTESIA-MW20-11042015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.0022			0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.00136			0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00184			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00258			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000255	J	J	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Validated Form I

Field ID	ARTESIA-MW11-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00427			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000297	J	J	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000169	J	J	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW11-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000481	J	J	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00108			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW08-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00409			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000829	J	J	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000287	J	J	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

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Field ID	ARTESIA-MW08-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.00361			0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000241	J	J	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000831	J	J	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00192			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MD01-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000339	J	J	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.0013			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

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Field ID

ARTESIA-MD01-11042015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00151			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000296	J	J	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

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Field ID	ARTESIA-MW18-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000346	J	J	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00138			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW18-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00144			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000333	J	J	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW07-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000189	J	J	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000292	J	J	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW07-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000646	J	J	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW01-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

Validated Form I

Field ID

ARTESIA-MW01-11042015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	R	U	0.0005	0.002	mg/L	MS<LCL (R)
	0.0005	R	U	0.0005	0.002	mg/L	SD<LCL (R)
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	UJ	U	0.000176	0.005	mg/L	SD<LCL (UJ)
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000973	J	J	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000375	J	J	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000138	U	U	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Validated Form I

Field ID	ARTESIA-MW32-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000315	J	J	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000842	J	J	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	R	U	0.0005	0.002	mg/L	SD<LCL (R)
	0.0005	R	U	0.0005	0.002	mg/L	MS<LCL (R)
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW32-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.00144			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00036	J	J	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW17C-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000168	U	U	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000299	J	J	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW17C-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000282	J	J	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-HS12-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.00178	U	U	0.00178	0.01	mg/L	
1,1,1-Trichloroethane	0.00209	U	U	0.00209	0.01	mg/L	
1,1,2,2-Tetrachloroethane	0.00197	U	U	0.00197	0.01	mg/L	
1,1,2-Trichloroethane	0.00209	U	U	0.00209	0.01	mg/L	
1,1-Dichloroethane	0.0822			0.00168	0.01	mg/L	
1,1-Dichloroethene	0.0044	J	J	0.00192	0.01	mg/L	
1,1-Dichloropropene	0.00191	U	U	0.00191	0.01	mg/L	
1,2,3-Trichlorobenzene	0.0057	U	U	0.0057	0.01	mg/L	
1,2,3-Trichloropropane	0.0029	U	U	0.0029	0.01	mg/L	
1,2,4-Trichlorobenzene	0.00177	U	U	0.00177	0.01	mg/L	
1,2,4-Trimethylbenzene	2.99			0.0215	0.1	mg/L	
1,2-Dibromo-3-Chloropropane	0.0081	U	U	0.0081	0.01	mg/L	
1,2-Dichlorobenzene	0.00153	U	U	0.00153	0.01	mg/L	

Validated Form I

Field ID	ARTESIA-HS12-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloroethane	0.00116	U	U	0.00116	0.01	mg/L	
1,2-Dichloropropane	0.00136	U	U	0.00136	0.01	mg/L	
1,3,5-Trimethylbenzene	0.0526			0.0021	0.01	mg/L	
1,3-Dichlorobenzene	0.0021	U	U	0.0021	0.01	mg/L	
1,3-Dichloropropane	0.0022	U	U	0.0022	0.01	mg/L	
1,4-Dichlorobenzene	0.00176	U	U	0.00176	0.01	mg/L	
2,2-Dichloropropane	0.00258	U	U	0.00258	0.01	mg/L	
2-Butanone (MEK)	0.0076	U	U	0.0076	0.02	mg/L	
2-Chloroethyl vinyl ether	0.005	U	U	0.005	0.02	mg/L	
2-Chlorotoluene	0.00226	U	U	0.00226	0.01	mg/L	
4-Chlorotoluene	0.0021	U	U	0.0021	0.01	mg/L	
Benzene	0.0464			0.00176	0.01	mg/L	
Bromobenzene	0.00195	U	U	0.00195	0.01	mg/L	
Bromochloromethane	0.00162	U	U	0.00162	0.01	mg/L	
Bromodichloromethane	0.00153	U	U	0.00153	0.01	mg/L	
Bromoform	0.00151	U	U	0.00151	0.01	mg/L	
Bromomethane	0.0025	U	U	0.0025	0.02	mg/L	
Carbon tetrachloride	0.00183	U	U	0.00183	0.01	mg/L	
Chlorobenzene	0.00185	U	U	0.00185	0.01	mg/L	
Chlorodibromomethane	0.00119	U	U	0.00119	0.01	mg/L	
Chloroethane	0.0024	U	U	0.0024	0.02	mg/L	
Chloroform	0.00151	U	U	0.00151	0.01	mg/L	
Chloromethane	0.00209	U	U	0.00209	0.02	mg/L	
cis-1,2-Dichloroethene	0.181			0.00157	0.01	mg/L	
cis-1,3-Dichloropropene	0.0016	U	U	0.0016	0.01	mg/L	
Dibromomethane	0.0052	U	U	0.0052	0.01	mg/L	
Dichlorodifluoromethane	0.00859	U	U	0.00859	0.01	mg/L	
Ethylbenzene	0.529			0.0212	0.1	mg/L	
Ethylene Dibromide	0.00111	U	U	0.00111	0.01	mg/L	
Hexachlorobutadiene	0.00215	U	U	0.00215	0.01	mg/L	
Isopropylbenzene	0.427			0.00241	0.01	mg/L	
Methyl tert-butyl ether	0.00105	U	U	0.00105	0.01	mg/L	
Methylene Chloride	0.00176	U	U	0.00176	0.05	mg/L	
m-Xylene & p-Xylene	0.5			0.0205	0.1	mg/L	
Naphthalene	0.494		B	0.00129	0.02	mg/L	
n-Butylbenzene	0.0149	J		0.00212	0.01	mg/L	CCV>UCL (J)
N-Propylbenzene	0.451			0.023	0.1	mg/L	
o-Xylene	0.0192	U	U	0.0192	0.1	mg/L	
p-Isopropyltoluene	0.00496	J	J	0.00228	0.01	mg/L	CCV>UCL (J)
sec-Butylbenzene	0.0112	J		0.00224	0.01	mg/L	CCV>UCL (J)
Styrene	0.00175	U	U	0.00175	0.01	mg/L	
tert-Butylbenzene	0.00216	U	U	0.00216	0.01	mg/L	
Tetrachloroethene	0.00429	J	J	0.00333	0.01	mg/L	
Toluene	0.00198	U	U	0.00198	0.01	mg/L	
trans-1,2-Dichloroethene	0.00192	U	U	0.00192	0.01	mg/L	
trans-1,3-Dichloropropene	0.00137	U	U	0.00137	0.01	mg/L	
Trichloroethene	0.00324	J	J	0.00138	0.01	mg/L	
Trichlorofluoromethane	0.00244	U	U	0.00244	0.01	mg/L	
Vinyl chloride	0.00248	U	U	0.00248	0.01	mg/L	
Xylenes, Total	0.5			0.0366	0.2	mg/L	

Validated Form I

Field ID	ARTESIA-MW12-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.00178	U	U	0.00178	0.01	mg/L	
1,1,1-Trichloroethane	0.00209	U	U	0.00209	0.01	mg/L	
1,1,2,2-Tetrachloroethane	0.00197	U	U	0.00197	0.01	mg/L	
1,1,2-Trichloroethane	0.00209	U	U	0.00209	0.01	mg/L	
1,1-Dichloroethane	0.0692			0.00168	0.01	mg/L	
1,1-Dichloroethene	0.0049	J	J	0.00192	0.01	mg/L	
1,1-Dichloropropene	0.00191	U	U	0.00191	0.01	mg/L	
1,2,3-Trichlorobenzene	0.0057	U	U	0.0057	0.01	mg/L	
1,2,3-Trichloropropane	0.0029	U	U	0.0029	0.01	mg/L	
1,2,4-Trichlorobenzene	0.00177	U	U	0.00177	0.01	mg/L	
1,2,4-Trimethylbenzene	2.08			0.0215	0.1	mg/L	
1,2-Dibromo-3-Chloropropane	0.0081	U	U	0.0081	0.01	mg/L	
1,2-Dichlorobenzene	0.00153	U	U	0.00153	0.01	mg/L	
1,2-Dichloroethane	0.00116	U	U	0.00116	0.01	mg/L	
1,2-Dichloropropane	0.00136	U	U	0.00136	0.01	mg/L	
1,3,5-Trimethylbenzene	0.00929	J	J	0.0021	0.01	mg/L	
1,3-Dichlorobenzene	0.0021	U	U	0.0021	0.01	mg/L	
1,3-Dichloropropane	0.0022	U	U	0.0022	0.01	mg/L	
1,4-Dichlorobenzene	0.00176	U	U	0.00176	0.01	mg/L	
2,2-Dichloropropane	0.00258	U	U	0.00258	0.01	mg/L	
2-Butanone (MEK)	0.0076	U	U	0.0076	0.02	mg/L	
2-Chloroethyl vinyl ether	0.005	U	U	0.005	0.02	mg/L	
2-Chlorotoluene	0.00226	U	U	0.00226	0.01	mg/L	
4-Chlorotoluene	0.0021	U	U	0.0021	0.01	mg/L	
Benzene	0.023			0.00176	0.01	mg/L	
Bromobenzene	0.00195	U	U	0.00195	0.01	mg/L	
Bromochloromethane	0.00162	U	U	0.00162	0.01	mg/L	
Bromodichloromethane	0.00153	U	U	0.00153	0.01	mg/L	
Bromoform	0.00151	U	U	0.00151	0.01	mg/L	
Bromomethane	0.0025	U	U	0.0025	0.02	mg/L	
Carbon tetrachloride	0.00183	U	U	0.00183	0.01	mg/L	
Chlorobenzene	0.00185	U	U	0.00185	0.01	mg/L	
Chlorodibromomethane	0.00119	U	U	0.00119	0.01	mg/L	
Chloroethane	0.0024	U	U	0.0024	0.02	mg/L	
Chloroform	0.00151	U	U	0.00151	0.01	mg/L	
Chloromethane	0.00209	U	U	0.00209	0.02	mg/L	
cis-1,2-Dichloroethene	0.0936			0.00157	0.01	mg/L	
cis-1,3-Dichloropropene	0.0016	U	U	0.0016	0.01	mg/L	
Dibromomethane	0.0052	U	U	0.0052	0.01	mg/L	
Dichlorodifluoromethane	0.00859	U	U	0.00859	0.01	mg/L	
Ethylbenzene	0.381			0.00212	0.01	mg/L	
Ethylene Dibromide	0.00111	U	U	0.00111	0.01	mg/L	
Hexachlorobutadiene	0.00215	U	U	0.00215	0.01	mg/L	
Isopropylbenzene	0.292			0.00241	0.01	mg/L	
Methyl tert-butyl ether	0.00105	U	U	0.00105	0.01	mg/L	
Methylene Chloride	0.00176	U	U	0.00176	0.05	mg/L	
m-Xylene & p-Xylene	0.377			0.00205	0.01	mg/L	
Naphthalene	0.296		B	0.00129	0.02	mg/L	
n-Butylbenzene	0.00757	J	J	0.00212	0.01	mg/L	CCV>UCL (J)
N-Propylbenzene	0.377			0.0023	0.01	mg/L	

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Field ID	ARTESIA-MW12-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.00509	J	J	0.00192	0.01	mg/L	CCV>UCL (J)
p-Isopropyltoluene	0.003	J	J	0.00228	0.01	mg/L	
sec-Butylbenzene	0.00947	J	J	0.00224	0.01	mg/L	
Styrene	0.00175	U	U	0.00175	0.01	mg/L	CCV>UCL (J)
tert-Butylbenzene	0.00216	U	U	0.00216	0.01	mg/L	
Tetrachloroethene	0.00481	J	J	0.00333	0.01	mg/L	
Toluene	0.00198	U	U	0.00198	0.01	mg/L	CCV>UCL (J)
trans-1,2-Dichloroethene	0.00192	U	U	0.00192	0.01	mg/L	
trans-1,3-Dichloropropene	0.00137	U	U	0.00137	0.01	mg/L	
Trichloroethene	0.00632	J	J	0.00138	0.01	mg/L	CCV>UCL (J)
Trichlorofluoromethane	0.00244	U	U	0.00244	0.01	mg/L	
Vinyl chloride	0.00248	U	U	0.00248	0.01	mg/L	
Xylenes, Total	0.382			0.00366	0.02	mg/L	

Field ID	ARTESIA-MW15-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000315	J	J	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

Validated Form I

Field ID	ARTESIA-MW15-11042015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.00794			0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000325	J	J	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000333	U	U	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000307	J	J	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.0257			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW26-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.000178	J	J	0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00081	J	J	0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

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Field ID

ARTESIA-MW26-11032015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.000708	J	J	0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.000334	J	J	0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

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Field ID	ARTESIA-MW30-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00391			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.00654			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000157	U	U	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.000105	U	U	0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	

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Field ID	ARTESIA-MW30-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.0132			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00207			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-HS29-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00732			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.0196			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	

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Field ID	ARTESIA-HS29-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000558	J	J	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.00125			0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.017			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00627			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Field ID	ARTESIA-MW29-11032015						
Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,1,1,2-Tetrachloroethane	0.000178	U	U	0.000178	0.001	mg/L	
1,1,1-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1,2,2-Tetrachloroethane	0.000197	U	U	0.000197	0.001	mg/L	
1,1,2-Trichloroethane	0.000209	U	U	0.000209	0.001	mg/L	
1,1-Dichloroethane	0.00655			0.000168	0.001	mg/L	
1,1-Dichloroethene	0.0196			0.000192	0.001	mg/L	
1,1-Dichloropropene	0.000191	U	U	0.000191	0.001	mg/L	
1,2,3-Trichlorobenzene	0.00057	U	U	0.00057	0.001	mg/L	
1,2,3-Trichloropropane	0.00029	U	U	0.00029	0.001	mg/L	
1,2,4-Trichlorobenzene	0.000177	U	U	0.000177	0.001	mg/L	
1,2,4-Trimethylbenzene	0.000215	U	U	0.000215	0.001	mg/L	
1,2-Dibromo-3-Chloropropane	0.00081	U	U	0.00081	0.001	mg/L	
1,2-Dichlorobenzene	0.000153	U	U	0.000153	0.001	mg/L	
1,2-Dichloroethane	0.000116	U	U	0.000116	0.001	mg/L	

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Field ID

ARTESIA-MW29-11032015

Analyte	Result	Final Flag	Lab Flag	MDL	RL	Units	ValidationReason (Flag)
1,2-Dichloropropane	0.000136	U	U	0.000136	0.001	mg/L	
1,3,5-Trimethylbenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichlorobenzene	0.00021	U	U	0.00021	0.001	mg/L	
1,3-Dichloropropane	0.00022	U	U	0.00022	0.001	mg/L	
1,4-Dichlorobenzene	0.000176	U	U	0.000176	0.001	mg/L	
2,2-Dichloropropane	0.000258	U	U	0.000258	0.001	mg/L	
2-Butanone (MEK)	0.00076	U	U	0.00076	0.002	mg/L	
2-Chloroethyl vinyl ether	0.0005	U	U	0.0005	0.002	mg/L	
2-Chlorotoluene	0.000226	U	U	0.000226	0.001	mg/L	
4-Chlorotoluene	0.00021	U	U	0.00021	0.001	mg/L	
Benzene	0.000176	U	U	0.000176	0.001	mg/L	
Bromobenzene	0.000195	U	U	0.000195	0.001	mg/L	
Bromochloromethane	0.000162	U	U	0.000162	0.001	mg/L	
Bromodichloromethane	0.000153	U	U	0.000153	0.001	mg/L	
Bromoform	0.000151	U	U	0.000151	0.001	mg/L	
Bromomethane	0.00025	U	U	0.00025	0.002	mg/L	
Carbon tetrachloride	0.000183	U	U	0.000183	0.001	mg/L	
Chlorobenzene	0.000185	U	U	0.000185	0.001	mg/L	
Chlorodibromomethane	0.000119	U	U	0.000119	0.001	mg/L	
Chloroethane	0.00024	U	U	0.00024	0.002	mg/L	
Chloroform	0.000151	U	U	0.000151	0.001	mg/L	
Chloromethane	0.000209	U	U	0.000209	0.002	mg/L	
cis-1,2-Dichloroethene	0.000494	J	J	0.000157	0.001	mg/L	
cis-1,3-Dichloropropene	0.00016	U	U	0.00016	0.001	mg/L	
Dibromomethane	0.00052	U	U	0.00052	0.001	mg/L	
Dichlorodifluoromethane	0.000859	U	U	0.000859	0.001	mg/L	
Ethylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
Ethylene Dibromide	0.000111	U	U	0.000111	0.001	mg/L	
Hexachlorobutadiene	0.000215	U	U	0.000215	0.001	mg/L	
Isopropylbenzene	0.000241	U	U	0.000241	0.001	mg/L	
Methyl tert-butyl ether	0.00111			0.000105	0.001	mg/L	
Methylene Chloride	0.000176	U	U	0.000176	0.005	mg/L	
m-Xylene & p-Xylene	0.000205	U	U	0.000205	0.001	mg/L	
Naphthalene	0.000129	U	U	0.000129	0.002	mg/L	
n-Butylbenzene	0.000212	U	U	0.000212	0.001	mg/L	
N-Propylbenzene	0.00023	U	U	0.00023	0.001	mg/L	
o-Xylene	0.000192	U	U	0.000192	0.001	mg/L	
p-Isopropyltoluene	0.000228	U	U	0.000228	0.001	mg/L	
sec-Butylbenzene	0.000224	U	U	0.000224	0.001	mg/L	
Styrene	0.000175	U	U	0.000175	0.001	mg/L	
tert-Butylbenzene	0.000216	U	U	0.000216	0.001	mg/L	
Tetrachloroethene	0.0135			0.000333	0.001	mg/L	
Toluene	0.000198	U	U	0.000198	0.001	mg/L	
trans-1,2-Dichloroethene	0.000192	U	U	0.000192	0.001	mg/L	
trans-1,3-Dichloropropene	0.000137	U	U	0.000137	0.001	mg/L	
Trichloroethene	0.00586			0.000138	0.001	mg/L	
Trichlorofluoromethane	0.000244	U	U	0.000244	0.001	mg/L	
Vinyl chloride	0.000248	U	U	0.000248	0.001	mg/L	
Xylenes, Total	0.000366	U	U	0.000366	0.002	mg/L	

Validation Flag Abbreviations

<i>Abbreviation</i>	<i>Validation Reason</i>	<i>Category</i>
LB<RL	Laboratory blank contamination less than the reporting limit	Blank
CCV<LCL	Continuing calibration recovery less than the lower control limit	Calibration
CCV>UCL	Continuing calibration recovery greater than the upper control limit	Calibration
MS<LCL	Matrix spike recovery less than the lower control limit	Matrix
SD<LCL	Matrix spike duplicate recovery criteria less than the lower control limit	Matrix
RE	Re-extraction and/or reanalysis	Re-analysis