MAY 2, 2018

RESULTS OF GROUNDWATER MONITORING AND GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING 2017/2018 ANNUAL REPORT RAYTHEON COMPANY (FORMER HUGHES AIRCRAFT COMPANY) FACILITY 1901 WEST MALVERN AVENUE FULLERTON, CALIFORNIA

PREPARED FOR:
RAYTHEON COMPANY

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

HARGIS + ASSOCIATES, INC.
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May 2, 2018

VIA FEDERAL EXPRESS – STANDARD

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CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL
9211 Oakdale Avenue
Chatsworth, CA 91311-6505

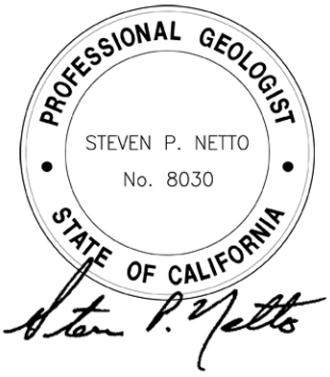
Re: Transmittal of Results of Groundwater Monitoring and Groundwater Extraction and Treatment Pilot Testing, 2017/2018 Annual Report, Raytheon Company, (Former Hughes Aircraft Company) Facility, 1901 West Malvern Avenue, Fullerton, California

Dear Mr. Rounds:

Enclosed is one hard copy with a compact disc that contains a copy of the above-referenced report. If you have any questions or require further information, please contact us at 858-455-6500.

Sincerely,

HARGIS + ASSOCIATES, INC.



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GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING
2017/2018 ANNUAL REPORT
RAYTHEON COMPANY (FORMER HUGHES AIRCRAFT COMPANY) FACILITY
1901 WEST MALVERN AVENUE
FULLERTON, CALIFORNIA

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ACRONYMS AND ABBREVIATIONS

1,1-DCA	1,1-Dichloroethane
1,2-DCA	1,2-Dichloroethane
1,1-DCE	1,1-Dichloroethylene
1,1,2-TCA	1,1,2-Trichloroethane
AGAWP	Additional Groundwater Assessment Work Plan
ATL	Advanced Technology Laboratories, Inc., Signal Hill, California
cis-1,2-DCE	cis-1,2-Dichloroethylene
CM	Conceptual Model
CMS	Corrective Measures Study
COPCs	Compounds of potential concern
DTSC	California Environmental Protection Agency, Department of Toxic Substances Control
DWR	California Department of Water Resources
EPA	U. S. Environmental Protection Agency
GETS	Groundwater Extraction and Treatment System
GMWP/SAP	Groundwater Monitoring Work Plan and Sampling and Analysis Plan
gpm	Gallons per minute
H+A	Hargis + Associates, Inc.
LAS	Lower Aquifer System
MAS	Middle Aquifer System
MCL(s)	Maximum Contaminant Level(s)
msl	Mean sea level
OCGB	Orange County Groundwater Basin
PCE	Tetrachloroethylene
QA/QC	Quality assurance/quality control
Raytheon	Raytheon Company
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SIM	Selective ion monitoring
the Site	Former Raytheon Company facility located at 1901 West Malvern Avenue, Fullerton, California
TCE	Trichloroethylene
TCFM	Trichlorofluoromethane
UAS	Upper Aquifer System
ug/l	Micrograms per liter
VOC(s)	Volatile organic compound(s)
UV-Ox	Ultra-violet light and hydrogen peroxide oxidation

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1.0 INTRODUCTION

This report has been prepared by Hargis + Associates, Inc. (H+A) on behalf of the Raytheon Company (Raytheon) and presents the results of groundwater monitoring and groundwater treatment pilot testing conducted during the second quarter 2017 through the first quarter 2018 at the former Raytheon (formerly Hughes Aircraft Company) facility located at 1901 West Malvern Avenue, Fullerton, California (the Site) (Figure 1). Previous investigations at the Site were conducted as part of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) under the direction of the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) (H+A, 1998). Periodic groundwater monitoring and additional groundwater assessment have been conducted since completion of the RFI to support a Corrective Measures Study (CMS) for the Site under the continuing direction of the DTSC (H+A, 2003a, 2003b, 2003c, 2003d, 2004a, 2004b, 2005a, 2008b, 2009b, 2010a, 2010c, 2011a, 2011c, 2011e, 2013a, and 2013e). As part of the CMS, an extended groundwater extraction and treatment pilot test began operation in July 2008 (H+A, 2005b, 2009c, 2011d, and 2013b).

Groundwater monitoring consists of measuring groundwater levels and collecting groundwater samples from monitor wells and piezometers at the Site (Figure 2). Quarterly water level measurements and groundwater samples were collected during this annual reporting period in May 2017, August 2017, November 2017, and February 2018 from accessible monitor wells and piezometers in general accordance with the Groundwater Monitoring Work Plan and Sampling and Analysis Plan (GMWP/SAP), and subsequent addenda except where may be noted herein (Section 2.1) (Tables 1 and 2) (H+A, 2003c, 2011a, and 2011e).

A summary of regional and local hydrogeologic conditions in the area and at the Site are presented in the following sections. Regional and local hydrogeologic conditions are described in greater detail in previously submitted well construction reports (H+A, 2005c, 2009a, 2010d, and 2011b).

1.1 REGIONAL HYDROGEOLOGIC FRAMEWORK

The Site is located within the Orange County Groundwater Basin (OCGB). Aquifers in the OCGB have been divided into three separate systems called the upper, middle, and lower regional groundwater systems (California Department of Water Resources [DWR], 1967).

The Upper Aquifer System (UAS) is located within the OCGB to the south of Malvern Avenue. The UAS in this area includes stream terrace and older alluvial deposits as well as the La Habra/Lakewood formation. It is believed that coarse-grained facies in the La Habra/Lakewood formation, corresponding to the upper aquifer, pinch out south of the Coyote Hills or are folded and unconformably truncated near the southern boundary of the Site (H+A, 2005c, 2009a, 2010d, and 2011b).

The Middle Aquifer System (MAS) underlies the UAS to the south of Malvern Avenue and extends to approximately -1,500 feet mean sea level (msl) in this area. The MAS is believed to include the Coyote Hills formation and the San Pedro formation and may include portions of the La Habra formation incised as channels into the underlying Coyote Hills formation.

The Lower Aquifer System (LAS) underlies the MAS and extends to the base of the freshwater zone. The LAS is believed to include portions of the Fernando group of Pliocene age. The base of the freshwater zone in the vicinity of the Site is estimated to be approximately -300 feet msl just north of the Site and -3,000 feet msl south of the Site in the OCGB (DWR, 1967). The base of the freshwater zone immediately beneath the Site has not been established.

Groundwater production in the OCGB is primarily from the lower portion of the UAS and the upper portion of the MAS between approximately -250 feet msl and -1,000 feet msl (DWR, 1967).

1.2 SITE HYDROGEOLOGY

Site hydrostratigraphic units consist of strata having similar hydraulic properties and lithologic characteristics, which have been correlated across the southern portion of the Site. The soils encountered at the Site are generally interbedded sand, silty to clayey sand, sandy silt, and sandy clay, with local gravel layers (H+A, 1998). Evaluation of strata on a relatively small scale, on the order of inches to a few feet, indicate that soil types encountered in the subsurface are typically very discontinuous, precluding detailed correlation between boreholes. However, larger scale correlations have been made at the Site and vicinity.

A groundwater conceptual model (CM) for the Site was developed as part of the RFI and refined during additional groundwater assessment activities through 2014. Results of additional assessment activities were documented after discrete phases of work in several well construction and groundwater sampling reports (H+A, 2005c, 2009a, 2010d, 2011b, 2012a, 2013c, 2013d, and 2014). The following provides a general overview based on the RFI and well construction reports for the Site.

Two localized perched zones were identified under portions of the Site during the course of the RFI (H+A, 1998). Perched zones were identified based on the occurrence and behavior of groundwater, and are not clearly expressed lithologically. The perched zones do not represent a usable source of groundwater due to the limited area over which they occur and the small quantities of water flowing through these zones.

The water table in the regional groundwater system beneath the Site occurs in unconsolidated sediments ranging from sand to silt and clay (H+A, 1998). The upper portion of the regional groundwater system is heterogeneous as indicated by the differences in the lithology encountered during the construction of the groundwater monitor wells. The hydraulic conductivity of these sediments was estimated to range from approximately 0.1 foot per day to approximately 100 feet per day (H+A, 2008b).

Wells completed in lithologic intervals with varying degrees of hydraulic communication with each other and with aquifer units in the OCGB respond differently to changes in regional water levels. Those in good communication respond rapidly to regional changes, while those in finer-grained

or isolated lithologic units exhibit a dampened and delayed response to regional water level changes. This differential response may also appear as a temporary reversal of the vertical hydraulic gradients in the vicinity of paired monitor well groupings. Such reversals tend to be repeated, representing a seasonally-linked pattern of gradient reversals, from downwards during periods of expected high basin wide groundwater extraction to upwards during the shorter winter season (Figures 3 through 8) (H+A, 2005c). Together with lithologic and geophysical data collected during the groundwater assessments, these differential responses to water level fluctuations facilitated the identification and correlation of several hydrogeologic units across the Site, informally designated with increasing depth they include: Unit A, the finer-grained intervening Unit AB, Unit B (the "primary transport zone" or "Target Zone"), the finer-grained intervening Unit BC, Unit C, and Unit D.

The hydrogeology in the southern portion of the Site is interpreted to include a structural fold based on regional subsurface studies and on an evaluation of Site lithology, geophysical, water level, and water quality trends (H+A, 2005c, 2009a, 2010d, and 2011b). The groundwater CM was refined to incorporate delineation of this structural feature following subsequent phases of groundwater assessment. The primary geologic structural feature at and in the vicinity of the Site is the monoclinal fold exhibited by a local southward dip of approximately 42 degrees in the hydrogeologic units underlying terrace deposits between exploratory boring EB-1 and monitor well MW-31 (Figures 9 through 11) (H+A, 2010d and 2015a). These dipping units become nearly horizontal south of Malvern Avenue, in the OCGB to the south of the Site.

The groundwater CM has been refined based on available subsurface assessment information to date. The groundwater CM is intended to be descriptive of conditions observed in the subsurface, as well as, predictive of geologic and hydrogeologic conditions likely to be encountered in the course of any additional subsurface work. The groundwater CM is intended to describe conditions at both the regional scale and at the smaller, Site-specific scale. It is expected that the groundwater CM will continue to be refined with time as it is continuously tested against additional new groundwater monitoring data and other new data that may become available.

2.0 GROUNDWATER MONITORING

Groundwater monitoring was conducted in general accordance with the DTSC-approved GMWP/SAP and subsequent addenda (DTSC, 2003, 2011, and 2013; H+A, 2003c, 2011a, 2011e, 2013c, and 2013e). Groundwater monitoring included quarterly water level measurements in all Site monitor wells, piezometers, and extraction wells (Figure 12). Water levels were measured on May 15, 2017, August 7, 2017, November 6, 2017, and February 26, 2018, during this annual reporting period (Table 3). Groundwater samples were collected from piezometers and monitor wells according to the analytical schedule detailed in the GMWP/SAP (DTSC, 2013; H+A, 2003c, 2011a, 2011e, 2013c, and 2013e), as updated (Table 1). Additional groundwater monitoring was conducted as part of routine operation and monitoring of the pilot Groundwater Extraction and Treatment System (GETS) (Section 3.0).

2.1 WELL ACCESSIBILITY AND STATUS

All existing wells and piezometers at the Site were accessible during the groundwater monitoring events (Table 1). Several wells and piezometers that were installed prior to and during the RFI, and as part of earlier Site remediation activities, were previously decommissioned during property redevelopment at the Site in the early 2000s (H+A, 2002 and 2004c), and do not appear in the data tabulations compiled for this report (Tables 2 through 5).

2.1.1 Wells Installed Since Approval of the Sampling and Analysis Plan

In accordance with the Additional Groundwater Assessment Work Plan (AGAWP) Addendum 4, two monitor wells, MW-36 and MW-37, were installed and sampled in 2012 (H+A, 2011c); in accordance with the AGAWP Addendum 5, three monitor wells, MW-38, MW-39, and MW-40, were installed and sampled in 2013 (H+A, 2013a); in accordance with the AGAWP Addendum 6, one monitor well, MW-41, was installed and sampled in 2014 (H+A, 2013e). In accordance with the GMWP/SAP Addendum No. 1, monitor wells MW-36 through MW-41 were incorporated into the quarterly groundwater monitoring program at the Site (Tables 1 and 2; Figure 2) (DTSC, 2011; H+A, 2011a and 2011e).

2.1.2 Changes in Monitor Well Sampling Frequency

In accordance with the Addendum No. 2 to the Groundwater Monitoring Plan and Sampling and Analysis Plan (Revision 1.0), monitor wells MW-37 and MW-38 were changed from quarterly to annual sampling frequency. Therefore, MW-37 and MW-38 were sampled annually starting March 2018 (H+A, 2017c).

2.2 GROUNDWATER LEVELS

Depth to groundwater was measured in all monitor wells, piezometers, and extraction wells. Water level elevations were calculated by subtracting the measured depth to water in each well from its surveyed reference point elevation (Table 3). Groundwater level elevations have been plotted for the northern perched zone and the regional groundwater system (Figure 12). Water level elevations in Unit B wells have been contoured (Figures 13A through 13D).

2.2.1 Perched Zone Water Levels

A hydrograph presenting historical water level data for the perched zone has been prepared (Figure 14). Water levels in the upgradient (northern) portion of the perched zone were depressed during operation of the voluntary dual-phase extraction system, but gradually recovered in 2000 and 2001 (represented by former piezometers P-02D and P-04 on Figure 14) (H+A, 2000). Since then, water levels in the northern portion of the perched zone have remained relatively stable. The water level elevation in piezometer P-09, which is located in the northern portion of the perched zone, has been stable between about 60 feet msl and 65 feet msl, fluctuating within a range of less than 2.5 feet over its period of record since installation in mid-2003. Water levels across most of the perched zone do not appear to consistently reflect the seasonal fluctuations observed in regional groundwater system monitor wells at the Site (Section 2.2.2), indicating that the perched zone is not in direct hydraulic communication with the regional groundwater system.

Water level trends observed in the southernmost perched zone piezometer, P-07, suggest that the perched zone merges with the regional groundwater system in this area. Water level increases were observed in piezometer P-07 between December 2005 and June 2006, followed by a decline to dry conditions by September 2007 (Figure 14). Regional water levels reached

historical highs within this same period in mid-2006 and began a continual decline during the last three quarters of 2007. The water level elevation in piezometer P-07 has been relatively stable and slowly increasing between December 2007 and mid-2012 while the regional groundwater system continued to decline to historical lows in late 2008. The water level elevation in piezometer P-07 increased by approximately 4.2 feet between February 2017 and February 2018. Trends observed in piezometer P-07 suggest that this piezometer responds to regional water level increases above a certain threshold near approximately 30 feet msl, but does not exhibit a direct hydraulic connection with the regional groundwater system under typical conditions at the Site, where regional groundwater levels are lower than 30 feet msl at the Site.

2.2.2 Regional Groundwater System Water Levels

Water level elevations generally increased in measured monitor and extraction wells between February 2017 and February 2018 (Table 3; Figures 3 through 8) (H+A, 2017a). Measured increases from February 2017 to February 2018 ranged from approximately 10.4 feet at monitor well MW-39 to as much as 28.4 feet at monitor well MW-09. The highest water level elevation observed in wells at the Site in February 2017 was at monitor well MW-20, at an elevation of approximately 40.0 feet above msl. The lowest water level elevation observed in monitor wells at the Site in February 2018 was at monitor well MW-39, at an elevation of approximately 13.7 feet above msl (Table 3; Figure 12).

Hydrographs have been prepared based on water levels measured manually during the period from January 1997 through February 2018, and on data collected automatically using pressure transducer/data-loggers in select wells during the periods from November 1999 through March 2000 and January 2002 through current (Figures 3 through 8). Historical water level data from the regional groundwater system indicate an overall decline in regional groundwater levels from early 1997 through late 2002. Water levels began to recover in early 2003; following a record rainfall during the 2004-2005 season, water level elevations in regional groundwater monitor wells at the Site reached historical highs by about the spring of 2006. Water levels then rapidly declined to historical lows by November to December 2008. Water levels then recovered to near historical highs by May 2012 and then declined until October 2014. Water levels have been steadily rising since 2014 and are currently at near historical highs. Within these longer-term trends, water level elevations in the regional groundwater system have generally fluctuated seasonally due to

variations in groundwater production and recharge in the groundwater basin. (Figures 3 through 8) (H+A, 2005c, 2009a, 2010d, and 2011c).

Six monitor well clusters/nests are completed in the regional groundwater system, where water levels are monitored at several different vertical intervals to characterize vertical hydraulic gradients between successively deeper hydrogeologic units (EW-01/MW-16/MW-21/MW-24/MW-25, for convenience designated the "Footbridge cluster," MW-23/MW-26A/MW-26B/MW-26C, for convenience designated the "Starbuck cluster", MW-30A/MW-30B, designated the MW-30 nest, MW-32A/MW-32B/MW-32C, designated the MW-32 nest, MW-34A/MW-34B/MW-34C, designated the MW-34 cluster, and MW-35A/MW-35B/MW-35C, designated the MW-35 nest) (Table 2; Figures 12 and 15 through 20). The following provides a summary of vertical hydraulic gradients based on the February 2018 water level measurements at these well clusters/nests (Table 3).

- At the Footbridge cluster, the water level elevation in monitor well MW-25 was higher than the water level elevations in the other wells in that cluster. An upward vertical hydraulic gradient was observed between monitor wells MW-24 and MW-25 and between extraction well MW-21 and monitor well MW-24. A slight upward gradient was observed between inactive extraction wells EW-01 and MW-21 (Figure 15) (H+A, 2017a).

- At the Starbuck cluster, the water level elevation in monitor well MW-23 was higher than the water level elevations in the other wells in that cluster. Downward vertical gradients were observed between monitor wells MW-23 and MW-26A, and monitor wells MW-26A and MW-26B, and an upward gradient was observed between monitor wells MW-26B and MW-26C (Figure 16) (H+A, 2017a).

- At the MW-32 nest, the water level elevation in monitor well MW-32C was higher than the water level elevations in the other wells in that nest. An upward vertical gradient was observed between monitor wells MW-32A and MW-32B, and an upward vertical gradient was observed between monitor wells MW-32B and MW-32C (Figure 17) (H+A, 2017a).

- At the MW-30 nest, the water level elevation in monitor well MW-30B was higher than the water level elevation in monitor well MW-30A, indicating an upward vertical gradient (Figure 18) (H+A, 2017a).

- At the MW-34 cluster, the water level elevation in monitor well MW-34B was higher than the water level elevations in the other wells in that cluster. Anupward vertical gradient was observed between monitor wells MW-34A and MW-34B, and a downward vertical gradient was observed between monitor wells MW-34B and MW-34C (Figure 19) (H+A, 2017a).

- At the MW-35 nest, the water level elevation in monitor well MW-35A was higher than the water level elevations in the other wells in that nest. Downward vertical gradients were observed between monitor wells MW-35A and MW-35B, as well as between monitor wells MW-35B and MW-35C (Figure 20) (H+A, 2017a).

Occasional seasonal gradient reversals appear to reflect the variable extent of hydraulic communication between Site wells and the regional MAS of the OCGB (Figures 3 through 8). Water level data obtained from the six monitor well nests/clusters indicate that some wells (e.g., EW-01, MW-23, and MW-26C) are highly responsive to piezometric changes in the basin, whether resulting from regional or seasonal fluctuations or from local production well pumping in the northern portion of Fullerton. Other wells (e.g., MW-16, MW-21, and MW-25) appear to be in partial communication with the regional aquifer, exhibiting a dampened and delayed response to changes in the regional system or becoming seasonally isolated from the regional system. Finally, some wells (e.g., MW-24, MW-26A, and MW-26B) appear to be relatively isolated from the regional groundwater system, exhibiting relatively low amplitude and gradual seasonal variation, with high water levels typically in the late spring months and low levels in the early fall (Figures 15 and 16). In February 2018, vertical hydraulic gradients at all well clusters/nests were towards the Unit B, with the exception of the monitor well MW-23-MW-26A/B/C cluster, where it appears a seasonal gradient reversal has occurred due to differential response of the regional aquifer recharge observed at this location.

2.3 CHEMICAL QUALITY OF GROUNDWATER

Two perched zone piezometers, 34 regional groundwater monitor wells, and 4 extraction wells were sampled in February and March 2018 (Table 1). All groundwater samples collected during the February and March 2018 monitoring event were analyzed for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260B. Groundwater samples collected from select piezometers, monitor wells, and extraction wells were also analyzed for 1,4-dioxane using modified EPA Method 8270 in accordance with the groundwater sampling schedule (Table 1). Selective ion monitoring (SIM) was used by the primary laboratory for select analysis of 1,4-dioxane at lower-concentration wells to provide lower detection and reporting limits (EPA Method 8270 SIM).

Original and duplicate groundwater samples were analyzed by Advanced Technology Laboratories, Inc., Signal Hill, California (ATL) (Appendix A). Laboratory split groundwater samples were analyzed by Eurofins Calscience, Inc., Garden Grove, California (Appendix A). Chain-of-custody documentation was enclosed with each sample shipment. Results of groundwater sample VOC and 1,4-dioxane analyses have been summarized (Tables 4 and 5).

Prior to groundwater sample collection, each monitor well was purged until three casing or screen volumes were evacuated from the well, or the slow-recharge well protocol was followed for removal of at least one casing or screen volume, as appropriate (H+A, 2003c and 2008b). One screen volume is defined as the volume of water inside the screened interval of the well, and is typically used as the unit purge volume for wells where the submersible purge/sample pump is set near the top or within the screen interval, and there is relatively low water level drawdown during purging. At deeper wells where the top of the screened interval is below the maximum submergence capacity of the pump, pumps are generally set near their maximum submergence level, and a unit purge volume is then taken as the volume of water inside the screened interval plus the volume of water inside the blank well casing below the pump. Additionally, samples also were collected after 1.5 screen volume was purged from three of the large-volume monitor wells during this event; these additional samples were collected to compare results between the 1.5-screen-volume purge method to the conventional three-screen-volume purge method which has been used historically at the Site for the large-volume monitor wells. Groundwater samples were collected after both 1.5 and three casing volumes had been purged from monitor wells

MW-32B, MW-33, and MW-36. Groundwater samples were collected from the extraction wellhead(s) during operation of the pilot GETS. Extraction wells EW-01 and MW-21 were turned on temporarily for purging and sampling in February and March 2018, as current operation of the pilot GETS involves extraction from extraction wells MW-29 and EW-02. Field parameters, including pH, specific conductance, dissolved oxygen, turbidity, and temperature, were monitored during well purging. Groundwater sampling field forms are provided (Appendix B).

Quality assurance/quality control (QA/QC) samples collected in February and March 2018 consisted of trip blanks, equipment rinsate blanks, field duplicates, and laboratory split samples. Trip blanks and the water used to collect the equipment rinsate blanks were provided by ATL. Field duplicate and/or laboratory split samples were collected for analysis of VOCs and 1,4-dioxane from extraction well MW-21 and monitor wells MW-16, MW-30B, MW-32B, and MW-34, in February and March 2018 (Table 4). Equipment rinsate blanks were collected at the rate of one per day when non-dedicated purging or sampling equipment was used.

The following sections describe the analytical results for VOC and 1,4-dioxane analyses of groundwater samples collected during the February and March 2018 groundwater monitoring event. Results from quarterly groundwater monitoring rounds conducted in May 2017, August 2017, and November 2017 were previously submitted as quarterly data submittals (H+A, 2017b, 2017d, and 2018).

2.3.1 Perched Water Zone

Two perched zone piezometers, P-07 and P-09, were sampled during the February and March 2018 groundwater monitoring event (Tables 4 and 5; Figure 21). The groundwater samples collected from perched zone piezometers P-07 and P-09 were analyzed for VOCs and 1,4-dioxane. VOCs detected in the groundwater samples collected from piezometer P-07 in February and March 2018 include 1,1-dichloroethylene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), 1,1,2-trichloroethane (1,1,2,-TCA), tetrachloroethylene (PCE), trichloroethylene (TCE), and trichlorofluoromethane (TCFM). There was a historical high of PCE at P-09 of 0.40J micrograms per liter (ug/l) 1,4-Dioxane was detected in the groundwater sample collected from piezometer P-07 at a concentration of 370E ug/l, within its historical range. This result was qualified as “E” by the laboratory because the result value is above the quantitation range and is therefore estimated.

1,1-DCE was detected in the groundwater sample collected from piezometer P-09 in February 2018, at a concentration of 6.8 ug/l, within its historical range at this piezometer (Table 4).

2.3.2 Regional Groundwater System

Thirty-four monitor wells and four extraction wells were sampled in February and March 2018 (Tables 1, 4, and 5; Figure 21). Samples collected from all regional groundwater system monitor and extraction wells were analyzed for VOCs. Groundwater samples collected from select monitor and extraction wells were also analyzed for 1,4-dioxane in accordance with the Groundwater Monitoring Program (GMP).

2.3.2.1 Volatile Organic Compounds in Regional Groundwater System Monitor and Extraction Wells

1,1-DCE was the principal VOC detected in groundwater samples collected from regional groundwater system monitor wells at the Site. The additional VOCs 1,1,2-TCA, 1,1-DCA, 1,2-DCA, chloroform, cis-1,2-dichloroethylene (cis-1,2-DCE), PCE, toluene, TCE, and TCFM were detected at relatively low concentrations in groundwater samples collected in February and March 2018 (Table 4). The concentrations of 1,1-DCE have decreased significantly from the June 2008 historical highs of 4,900 ug/l in extraction well MW-21 and an estimated value of 1,600 ug/l in extraction well EW-01 since operation of the pilot GETS started in July 2008. 1,1-DCE was detected in groundwater samples collected from monitor well MW-26C beginning in December 2007 through December 2009. The concentration of 1,1-DCE at monitor well MW-26C generally declined since December 2007, with no detection of 1,1-DCE in recent samples at a reporting limit of 0.5 ug/l in March 2010 through March 2018.

Historical concentration ranges were evaluated for May 2017 through March 2018. VOC concentrations were generally within their respective historical ranges with the following exceptions.

- In second quarter 2017, there was a historical low of 1,1-DCE at extraction well EW-02 of 4.6 ug/l (H+A, 2017b).

- In third quarter 2017, there were high historical concentrations of chloroform at monitor wells MW-28 and MW-30B of 0.20J and 0.39J ug/l, respectively (H+A, 2017d).

- In fourth quarter 2017, there were high historical concentrations of 1,1,2-TCA at monitor wells MW-36 and MW-41 of 0.24 and 0.39J ug/l, respectively (H+A, 2018). A high historical concentration of PCE was detected in a groundwater sample collected from monitor well MW-41 at a concentration of 0.20J ug/l. (H+A, 2018). A low historical concentration of 1,1-DCA was detected at 0.77 ug/l at extraction well MW-29.

- In first quarter 2018, a historical high concentration of chloroform was detected in the groundwater samples collected from monitor wells MW-06 and MW-15 at concentrations of 3.3 and 0.22J ug/l, respectively. A historical low concentration of 1,1-DCE was detected in the groundwater sample collected from extraction well MW-29 at 85 ug/l in January 2018. There was a historical low concentration of TCE at monitor well MW-31 at 0.50 ug/l.

2.3.2.2 1,4-Dioxane in Regional Groundwater System Monitor and Extraction Wells

In February and March 2018, 1,4-dioxane was detected in groundwater samples collected from regional groundwater system monitor wells P-07, P-09, MW-08, MW-16, MW-28, MW-31, MW-32B, and MW-41 and from extraction wells EW-01, EW-02, MW-21, and MW-29. A low historical concentration of 1,4-dioxane was detected at extraction well EW-01 at <2.0 ug/l in fourth quarter 2017. A historical high concentration of 1,4-dioxane was detected in monitor well MW-41 at 18 ug/l in November 2017.

2.3.2.3 Groundwater Quality in Site Hydrostratigraphic Zones

The following describes 1,1-DCE and 1,4-dioxane detected at the Site in February and March 2018 within the framework of the Site groundwater CM hydrostratigraphic zones (Tables 1 and 4; Figures 9 through 11 and 21).

- Seven of the eight monitor wells screened in Unit A (MW-18, MW-19, MW-22, MW-23, MW-34A, MW-34B, and MW-38) were sampled for VOCs in February and March 2018. 1,1-DCE was detected in one of the seven groundwater samples collected from Unit A monitor wells sampled in February and March 2018. 1,1-DCE was detected in the groundwater sample collected from MW-34B at a concentration of 25 ug/l in March 2018. Five of the seven monitor wells sampled for VOCs were also sampled for 1,4-dioxane. 1,4-Dioxane was detected in monitor well MW-18, however, the data was qualified as unusable due to presence of 1,4-dioxane in the rinse blank collected immediately before the sample.

- Three of five monitor wells screened in Unit AB (MW-13, MW-15, and MW-32A) were sampled for VOCs in February 2018. 1,1-DCE was not detected in groundwater samples collected from Unit AB (Table 4). Two of the three monitor wells sampled for VOCs were also sampled for 1,4-dioxane (MW-13 and MW-32A). 1,4-Dioxane was not detected in the groundwater samples collected from MW-13 and MW-32A.

- Fourteen monitor wells (MW-16, MW-26C, MW-27, MW-28, MW-30A, MW-31, MW-32B, MW-33, MW-34B, MW-35C, MW-36, MW-39, MW-40, and MW-41) and three extraction wells (MW-29, EW-01, and EW-02) screened in Unit B (Target Zone) were sampled for VOCs and 1,4-dioxane in February and March 2018. Water quality hydrographs depicting the concentrations of 1,1-DCE, TCE, and 1,4-dioxane in groundwater samples collected through February 2018 have been prepared (Appendix C). Comparison of the historical concentrations of these compounds in on-Site wells generally indicates stable or declining concentration trends at many wells and seasonal variability. Off-site monitor wells have a shorter monitoring history than on-Site monitor wells. In general, off-site monitor wells MW-34B and MW-41 have exhibited relatively large seasonal variations in VOC and 1,4-dioxane concentrations. Both of these wells are located near the northern saturated extent of the Unit B and concentration variability at these wells may be attributed, in part, to changes in hydraulic gradients related to seasonal groundwater production in the vicinity. In addition, the relative concentrations of 1,4-dioxane as compared to 1,1-DCE in groundwater samples collected from monitor wells along Malvern Avenue tend to be lower than on-Site monitor wells and monitor well MW-34B. TCE was also detected in monitor wells along Malvern Avenue, but at generally lower concentrations than 1,1-DCE.

- Three monitor wells, MW-08, MW-30B, and MW-34C, and one extraction well, MW-21, screened in Unit BC were sampled for VOCs and 1,4-dioxane in February and March 2018. 1,1-DCE was detected in extraction well MW-21 and monitor wells MW-30B and MW-08 (Table 4). TCE was also detected in monitor wells MW-30B and MW-08 and extraction well MW-21 in February 2018. 1,4-Dioxane was detected in the sample collected from extraction well MW-21. The concentrations of 1,1-DCE and 1,4-dioxane at extraction well MW-21 had declined during the operation of the initial pilot GETS program, June 2008 through 2009, and have been more variable since the conclusion of that initial phase of pilot testing when extraction well MW-21 was routinely operated (Table 4).

- All three monitor wells screened in Unit C, MW-09, MW-24, and MW-32C, were sampled for VOCs and 1,4-dioxane in February and March 2018. VOCs and 1,4-dioxane were not detected in groundwater samples collected from any Unit C monitor wells (Table 4).

- Three of four monitor wells screened in Unit D, MW-06, MW-20, and MW-37, were sampled for VOCs in February and March 2018. Two of the Unit D monitor wells, MW-20 and MW-37 were also sampled for 1,4-dioxane analysis. 1,1-DCE was not detected in the groundwater samples collected from monitor wells MW-06 and MW-37 in February and March 2018. 1,1-DCE was detected in the groundwater sample collected from monitor well MW-20 in February 2018. 1,4-Dioxane was detected in the groundwater sample collected from monitor well MW-20 but was qualified as unusable. 1,4-Dioxane was not detected in the groundwater sample collected from monitor well MW-37 in March 2018 (Table 4).

VOC and 1,4-dioxane concentrations will continue to be monitored to evaluate vertical and lateral distribution and to assess trends within and across the Site hydrostratigraphic zones.

2.3.2.4 Groundwater Quality at City of Fullerton Airport Well 9

The City of Fullerton operates a municipal water supply well, designated F-AIRP, which is located on the north side of Fullerton Municipal Airport (Figure 22). F-AIRP is located approximately 4,000 feet to the southwest of the southwest boundary of the Site and approximately 1,500 feet to the southwest of monitor well MW-33. Based on water quality results received from the Orange County Water District, 1,1-DCE was detected for the first time in August 2002 at a concentration of 0.6 ug/l. Since 2002, 1,1-DCE has periodically been detected in F-AIRP with a maximum concentration of 2.1 ug/l in November 2008. In 2017, 1,1-DCE was detected at low levels in F-AIRP with a maximum detection of 1.7 ug/l in August 2017. All detections of 1,1-DCE in production well F-AIRP have been below the California maximum contaminant level (MCL) of 1,1-DCE in drinking water of 6 ug/l (Figure 23). TCE and 1,4-dioxane have not been detected in F-AIRP.

2.3.3 Quality Assurance/Quality Control

QA/QC samples, including field duplicates, laboratory split samples, equipment rinsate blanks and trip blanks, were collected and analyzed for VOCs during the February and March 2018 monitoring event (Appendix A). The relative percent difference was calculated between the results of each field duplicate and each laboratory split sample with its corresponding original sample. Data quality assessment results for the May, August, and November 2017 groundwater monitoring events were previously reported in their respective groundwater monitoring data submittals (H+A, 2017b, 2017d, and 2018). The data quality assessment for February 2018 indicated that all QA/QC results for groundwater samples were within acceptable criteria.

VOCs were not detected in the trip or equipment rinsate blanks analyzed with groundwater samples collected during the February and March 2018 groundwater monitoring event. There was a detection of 1,4-dioxane in a rinsate blank, and as a result the 1,4-dioxane results at monitor wells MW-18 and MW-20 were deemed unusable (Table 4; Appendix A).

In addition, QA/QC trip blanks were collected as part of the monthly and quarterly GETS sampling events in accordance with the GETS monitoring sampling schedule (Table 6). There were no

detections of analytes sampled for the GETS quarterly and monthly monitoring in the trip or method blanks.

3.0 GROUNDWATER EXTRACTION AND TREATMENT PILOT STUDY

This section summarizes the pilot GETS operation primarily within the three-month period of monitoring conducted during the first quarter of 2018. Summaries of the pilot GETS operations during the second, third, and fourth quarters of 2017 were previously submitted as quarterly data submittals (H+A, 2017b, 2017d, and 2018). The pilot GETS consists of four groundwater extraction wells, the treatment system, and the disposal system; however, the current phase of pilot testing is operating using only two extraction wells, EW-02 and MW-29. Current extraction rates are nominally 40 gallons per minute (gpm) from extraction well EW-02 and 10 gpm from extraction well MW-29. The treatment system processes extracted groundwater through an advanced oxidation unit that utilizes ultra-violet light and hydrogen peroxide chemical oxidation (UV-Ox), followed by a granular activated carbon polish prior to disposal to the sanitary sewer.

3.1 SYSTEM OPERATION

Initial startup of the pilot GETS took place in July 2008. From July 2008 through November 2009, the pilot GETS was operated with extraction wells EW-01 and MW-21 operating at approximately 10 gpm each (Figure 24). Pilot GETS expansion took place between November 2009 and March 2010 in order to incorporate extraction well EW-02 into the extraction well network. The system maximum flowrate was also increased from 20 gpm to 50 gpm, which is the capacity of the on-Site sewer. Beginning in March 2010, the pilot GETS was operated at 50 gpm, entirely from extraction well EW-02. During December 2011, a synthetic media pilot test was started. The purpose of the synthetic media pilot test was to evaluate the efficacy of treating high-concentration water collected from extraction well MW-21 (a relatively high-concentration extraction well) using a synthetic media for contaminant removal (H+A, 2012c). In order to conduct the synthetic media pilot test, extraction wells EW-02 and MW-21 were operated at approximately 40 gpm and 10 gpm, respectively. The synthetic media pilot test was completed in March 2012, and operation of the pilot GETS was restored to 50 gpm entirely from extraction well EW-02. A second phase of pilot GETS expansion took place between March 2014 and August 2014 in order to incorporate extraction well MW-29 into the extraction well network as well as replacing an advanced oxidation unit that used ozone and hydrogen peroxide with a UV-Ox system. Extraction wells EW-01 and

MW-21 are on standby for the current phase of pilot testing, but may be used for future phases of pilot testing or as part of a full scale pump-and-treat system.

During the first quarter 2018, the pilot GETS was operational approximately 90 percent of the available runtime and approximately 4.5 million gallons of groundwater were treated and discharged to the sanitary sewer (Table 7). Downtime during the first quarter 2018 was associated with maintenance activities and alarm testing. The average monthly discharge flowrate to the sanitary sewer between December 1, 2017, and March 1, 2018 was approximately 40 gpm. Since startup of the pilot GETS, approximately 155 million gallons of groundwater have been treated at an average flowrate of 41 gpm through February 2018 (Table 7).

3.2 WATER QUALITY PERFORMANCE MONITORING

Current monthly and quarterly pilot GETS monitoring activities include collecting samples from extraction wells EW-02 and MW-29, and at treatment system sampling ports: Influent, Post Particulate Filter, Post UV-Ox, Carbon Breakthrough, and Carbon Effluent (Tables 6 and 8; Figure 25). Samples collected during these activities were sent to ATL for analysis. Analytical results of the extraction well and treatment system sampling have been summarized (Table 8; Appendix A).

The UV-Ox advanced oxidation treatment unit is designed to remove 1,4-dioxane and most VOCs in groundwater. The carbon adsorption units provide a polish following the UV-Ox treatment and remove possible low-level VOCs remaining in groundwater post UV-Ox (principally low-level ethanes). The UV-Ox advanced oxidation and carbon adsorption treatment units effectively removed VOCs and 1,4-dioxane from extracted groundwater in the first quarter 2018. The samples collected during the first quarter 2018 from the effluent of the UV-Ox treatment unit (Post UV-Ox or POX), Carbon Breakthrough and Carbon Effluent were analyzed for VOCs and 1,4-dioxane. VOCs were not detected in these samples. 1,4-Dioxane was not detected at a laboratory reporting limit of 0.2 ug/l in any of the POX, Carbon Breakthrough or Carbon Effluent samples collected during the first quarter 2018.

The previous oxidation treatment unit that used an ozone-peroxide technology was shown to create bromate as a treatment byproduct which occasionally exceeded the drinking water MCL, or would not reduce 1,4-dioxane to below the treatment goal (Figure 26). The levels of bromate

previously generated as a treatment byproduct were not an issue while discharging to the sewer, but would preclude injection of treated groundwater back into the aquifer as part of future groundwater corrective measures. The current UV-Ox advanced oxidation treatment unit has not generated bromate above the MCL, and bromate was not detected in the Post UV-Ox samples collected during the first quarter 2018, while maintaining the treatment goal for 1,4-dioxane.

The pilot GETS continues to remove VOCs and 1,4-dioxane from extracted groundwater. During the first quarter of 2018, the pilot GETS removed approximately 1.1 pounds of VOCs and 0.4 pounds of 1,4-dioxane from extracted groundwater. Since startup of the pilot GETS in July 2008, approximately 163 pounds of VOCs and 37 pounds of 1,4-dioxane have been removed from groundwater through February 2018 (Figure 27). Operation of the pilot GETS continues to be optimized to maximize the treatment of 1,4-dioxane and VOCs in extracted groundwater.

3.3 WATER LEVEL PERFORMANCE MONITORING

The capture zone from extraction of groundwater at extraction well EW-02 during operation of the pilot GETS can be evaluated based on hydraulic properties of Unit B and from water level contours.

The width of the capture zone can be estimated based on the average extraction rate at extraction well EW-02 and an estimate of the rate of groundwater flow through a portion of Unit B as previously described in the technical memorandum regarding hydraulic testing and preliminary capture zone analysis for extraction well EW-02 (H+A, 2010b). One of the hydraulic parameters used to estimate rate of flow through Unit B is transmissivity, which generally does not change in the vicinity of extraction well EW-02. The average pumping rate and/or the hydraulic gradients do, however, vary. As a result, there will be some variation in estimated capture width as the variables change. To assess this, average extraction rates and hydraulic gradients are calculated on a quarterly basis for the following time periods: March to May 2017; June to August 2017; September to November 2017; and December 2017 to February 2018. The following table summarizes the estimated width of the capture zone generated by operation of extraction well EW-2 during this time frame:

Time Period	Average Pumping Rate (gpm)	Hydraulic gradient [(a)]	Range in Transmissivity (square feet per day) (H+A, 2010b)	Range in Capture Width (feet)
March to May 2017	34	0.0044	2,400 – 5,400	340 – 766
June to August 2017	34	0.0045	2,400 – 5,400	355 – 799
September to November 2017	35	0.0045	2,400 – 5,400	345 – 776
December 2017 to February 2018	36	0.0022	2,400 – 5,400	654 – 1,471

(a) Based on water levels measured at monitor well MW-28 and extraction well EW-01 at end of time period.

The above calculation provides a rough estimate of the width of the EW-2 capture zone. From a simplistic estimate, approximately one half of the width would be north of extraction well EW-02 and the balance to the south of extraction well EW-02. Given the complexity of Unit B and the variable hydraulic gradient and extraction rate, this is meant to provide a rough approximation of the capture zone. Capture zone can also be evaluated using the quarterly water level contour maps (Figures 13A to 13D). The width of the capture zone in May 2017, August 2017, November 2017, and February 2018 varies with seasonal changes in hydraulic gradient and flow direction. In general, operation of Unit B extraction well EW-02 at an average flowrate of approximately 40 gpm develops a capture zone along a portion of the western Site boundary; however, it does not appear to capture groundwater in Unit B along the southwestern-most portion of the Site, in the vicinity of monitor well MW-31. The pilot GETS was expanded between March 2014 and August 2014 to replace the advanced oxidation system treatment equipment and convert monitor well MW-29 into an extraction well. Operation of extraction well MW-29 enhances hydraulic capture in the Unit B along the western property boundary to the northwest of extraction well EW-2.

The current pilot GETS extraction rate of approximately 50 gpm from the extraction wellfield is not the maximum extraction rate the wells will sustain, but rather, is limited to the treatment capacity of the local sewer connection and the current maximum allowable flowrate for discharge of treated groundwater to the sewer pursuant to the Orange County Sanitation District sewer discharge permit. Therefore, the observed capture zone under pilot GETS operation is somewhat arbitrary in that it is not prescribed with a particular performance goal to be measured against, but can be useful for observing the effects of changing seasonal groundwater flow directions and gradients.

4.0 DISCUSSION

Perched zone water levels have remained relatively stable over the past several years (Figure 14). Water quality data obtained from the perched zone indicate that the perched zone remediation system that operated from about late 1998 to 2000 was effective at reducing concentrations of VOCs, particularly 1,1-DCE, in perched zone water (H+A, 2000). VOC concentrations in the perched zone have apparently stabilized after a long-term decline. 1,4-Dioxane concentrations remain relatively stable in perched zone water (Table 4).

Regional groundwater system water level data obtained in February 2018 indicate a continuation of typical seasonal variations superimposed on long-term trends. The water level declines observed between mid-2006 and December 2008 represent the most rapid overall decline observed during the period of monitoring, with water levels decreasing from historical highs to historical lows in all Site regional groundwater system monitor and extraction wells, by as much as 70 feet in wells completed in Unit B (Figures 3 through 8). Water level elevations in Site monitor wells then exhibited a low in October 2014, and have since been increasing. Currently water levels are at a near historical high.

The following conclusions have been formulated regarding the regional groundwater system based on previous investigations and recent monitoring conducted at the Site. The operations formerly conducted at the Site have impacted two areas of the regional groundwater system.

The first area starts where the perched zone merges with the regional groundwater system near monitor well MW-16 (Figures 2 and 9) and appears to extend to the west/southwest in Unit B. The compounds of potential concern (COPCs) are limited to VOCs, principally 1,1-DCE and 1,4-dioxane.

- The following provides a general discussion of water quality near the location of where the perched zone merges with the regional groundwater system.
    - Historically, the regional groundwater level at monitor well MW-16 has been and continues to be lower than the water level at the toe of the perched zone

in piezometer P-07, except for a brief period of historical high water levels in Site monitor wells in 2006 (Figures 5, 9, and 14).

- VOC concentrations at monitor well MW-16 have been variable, and in March 2018, concentrations remained within the historical ranges for this well (Tables 4 and 5).
- VOC concentrations at extraction well EW-01, adjacent to and screened over a greater interval than monitor well MW-16, are variable, with the initial samples collected in June and September 2005 exhibiting similar concentrations of VOCs as detected in monitor well MW-16. Concentrations of 1,1-DCE in extraction well EW-01 were lower than those detected in monitor well MW-16 from December 2005 through September 2007. In December 2007, concentrations of all VOCs detected in extraction well EW-01 were equal to or higher than those detected in monitor well MW-16. The concentrations of 1,1-DCE and 1,4-dioxane detected in groundwater samples collected from extraction well EW-01 declined after the startup of the pilot GETS in June 2008, and have been variable since extraction well EW-01 was taken off-line from the pilot GETS and put on stand-by in November 2009.
- VOC concentrations at extraction well MW-21, which is located adjacent to and screened deeper than monitor well MW-16 and extraction well EW-01, are higher than surrounding wells. This may be a result of the greater effectiveness of the former perched zone remediation system near the water table, or it may represent remnant VOCs at depth in this slightly less transmissive or more isolated hydrostratigraphic zone. During the initial phase of the pilot GETS operations, from July 2008 through 2009, the concentration of 1,1-DCE declined in extraction well MW-21 from its historical high of 4,900 ug/l in June 2008 to its historical low of 200 ug/l in December 2009 (Table 4). The concentration of 1,4-dioxane also declined in extraction well MW-21 during the initial phase of the pilot GETS from 370 ug/l in June of 2008 to its historical low of 11 ug/l in December 2009 (Table 4). Since the conclusion of the pilot GETS operations at extraction well MW-21, concentrations of VOCs and 1,4-dioxane have been variable in this well. In February 2018, 1,1-DCE and 1,4-dioxane were detected at concentrations of 740 ug/l and 49E ug/l, respectively, within historical ranges.

  - 1,4-Dioxane was detected near the detection limit in two groundwater samples collected from monitor well MW-24, in March 2007 and December 2010. 1,4-Dioxane was not detected in the sample collected in March 2018. COPCs have not been otherwise detected in groundwater samples collected from this well. The March 2007 and December 2010 detections are considered anomalous. The general lack of COPC detections in monitor well MW-24, which is located adjacent to and screened approximately 100 feet deeper than extraction well MW-21, demonstrates that the vertical extent of COPCs in groundwater at the vicinity of these wells is defined.

- The following provides a general discussion of water quality within Unit B downgradient of the location where the perched zone merges with the regional groundwater system.
  - In December 2007, the detections of VOCs and 1,4-dioxane at monitor well MW-26C represented the first confirmed historical detections of COPCs in this Unit B well (H+A, 2008a) (Figure 9). Concentrations of 1,1-DCE and 1,4-dioxane in groundwater samples collected from monitor well MW-26C exhibited a generally declining trend during monthly and quarterly monitoring events following the initial detections at this monitor well in 2007, and returned to non-detect levels by 2010. The rapid change in water level elevations in this well from historically high water level elevations in mid-2006 to historically low water level elevations observed in this well since December 2007, and the accompanying historically high concentrations of VOCs and 1,4-dioxane detected in groundwater samples collected from this well in December 2007, continue to suggest that Unit B is the primary transport zone.
  - After COPCs were initially detected in monitor well MW-26C in December 2007, additional work was conducted to further characterize the hydrogeology and water quality of the Unit B.
    - Monitor wells MW-27, MW-28, MW-29, MW-30A, and MW-30B were installed in 2008 to delineate the distribution of COPCs in groundwater and confirm groundwater flow direction within the Unit B in the southwestern portion of the Site.
    - Monitor wells MW-31 and the MW-32A/B/C nest, and extraction well EW-02 were installed in 2009 to delineate the distribution of 1,1-DCE, TCE, and 1,4-dioxane in Unit B on the southern portion of the

Site and to the southwest of the Site, and to increase groundwater capture and accomplish greater remediation of groundwater within the primary transport zone (H+A, 2008b, 2009b, 2009c, and 2010d).

- In July 2010, monitor well MW-33 was installed to delineate the distribution of 1,1-DCE and 1,4-dioxane southwest of the Site (H+A, 2010d).
- In December 2010 through February 2011, the monitor well MW-34A/B/C cluster and monitor well MW-35A/B/C nest were installed to delineate the distribution of 1,1-DCE and 1,4-dioxane to the west and south of the Site, respectively (H+A, 2011b).
- In December 2011 through October 2012, additional monitor wells MW-36 and MW-37 were installed to further delineate the distribution of 1,1-DCE and 1,4-dioxane to the west of the Site (H+A, 2011c, 2012a, and 2012b).
- In June and July 2013, additional monitor wells MW-39 and MW-40 were installed to further delineate the distribution of 1,1-DCE and 1,4-dioxane to the west of the Site and near the upgradient portion of the Site, respectively; and monitor well MW-38 was installed west of the Site to help correlate hydrostratigraphic units and evaluate geologic structure in the area (H+A, 2013a and 2013e).
- In August 2014, monitor well MW-41 was installed to further delineate the distribution of 1,1-DCE and 1,4-dioxane in the Unit B to the west of the Site (H+A, 2014).

1,1-DCE and/or 1,4-dioxane have been detected in groundwater samples collected from Unit B monitor wells MW-28, MW-29, MW-30A, MW-31, MW-32B, MW-33, MW-34B, MW-36, and MW-41 and extraction well EW-02 since their construction (Table 4) (H+A, 2015b). 1,1-DCE and 1,4-dioxane have historically not been detected in Unit B monitor wells MW-27, MW-35C, MW-39, and MW-40, defining the edge of groundwater impacts in these areas within the primary transport zone.

Results from groundwater assessment and groundwater treatment pilot testing outlined in respective workplans have been summarized in the following reports:

- Work proposed in Addendum No. 2A of the AGAWP and Addendum No. 4A of the Groundwater Extraction and Treatment System Pilot Testing Corrective Measures Study Work Plan was completed and was summarized in the Well Construction and Groundwater Sampling Report Additional Groundwater Assessment Primary Transport Zone and Groundwater Extraction Treatment System Pilot Testing (H+A, 2009b, 2009c, and 2010d).
- The work outlined in Addendum No. 3 of the AGAWP was completed and was summarized in the Well Construction and Groundwater Sampling Report Additional Groundwater Assessment Primary Transport Zone and Groundwater Extraction Treatment System Pilot Testing (H+A, 2010c and 2011b).
- The work outlined in Addendum No. 4 of the AGAWP was completed and was summarized in the Well Construction and Groundwater Sampling Report Additional Groundwater Assessment Primary Transport Zone and Groundwater Extraction Treatment System Pilot Testing (H+A, 2011c and 2013c).
- The work outlined in Addendum No. 5 of the AGAWP was completed and was summarized in the Well Construction and Groundwater Sampling Report Additional Groundwater Assessment Primary Transport Zone and Groundwater Extraction Treatment System Pilot Testing (H+A, 2013a and 2013d).
- The work outlined in Addendum No. 6 of the AGAWP was completed and was summarized in the Well Construction and Groundwater Sampling Report Additional Groundwater Assessment Primary Transport Zone and Groundwater Extraction Treatment System Pilot Testing (H+A, 2013e and 2014).

The second area of impact is located away from the perched zone and exhibits sporadic detections of TCE, 1,1-DCE, and TCFM in the vicinity of monitor well MW-15; and 1,1-DCE, benzene, TCE, cis-1,2-DCE, and low concentrations of other VOCs and 1,4-dioxane at monitor

well MW-08. Samples collected from monitor well MW-30B, installed in November 2008, exhibit similar proportions of TCE, 1,1-DCE, and cis-1,2-DCE as samples collected from monitor well MW-08, also screened in Unit BC (Figures 18 and 28).

- The following provides a general discussion of water quality near monitor wells MW-15 and MW-08.
    - Historically, VOC concentrations have generally remained near or below MCLs at monitor well MW-15. 1,1-DCE was not detected in the groundwater sample collected from monitor well MW-15 (Table 4).
    - Concentrations of VOCs detected in monitor well MW-08 prior to March 2004 were generally near or below the drinking water MCLs for the respective compounds (H+A, 2004c). More recently, concentrations of 1,1-DCE, cis-1,2-DCE and TCE detected in samples collected from monitor well MW-08 have exceeded their respective MCLs (Table 4). In June 2006, the detected concentrations of 1,1-DCE, 1,1-DCA, PCE, and 1,4-dioxane in groundwater samples collected from monitor well MW-08 represented historical high concentrations for this well (Figure 28). In February 2018, the VOCs 1,1-DCE, cis-1,2-DCE, and TCE were detected at concentrations within their respective historical ranges at monitor well MW-08. The concentrations of 1,1-DCE, cis-1,2-DCE, and TCE remain at or above California and/or federal MCLs..
- The following provides a general discussion of water quality downgradient of monitor well MW-08.
    - The VOCs detected at monitor well MW-30B, with a composition of TCE, 1,1-DCE, and cis-1,2-DCE, are similar to the composition and concentrations of VOCs detected at monitor well MW-08. In February 2018, the VOCs TCE, 1,1-DCE, and cis-1,2-DCE were detected in groundwater samples collected from monitor well MW-30B at concentrations of 79 ug/l, 15 ug/l, and 5.2 ug/l, respectively. 1,4-Dioxane was not detected in the groundwater sample collected from monitor well MW-30B in February 2018. Both monitor wells MW-08 and MW-30B are screened in Unit BC near the western portion of the Site. Monitor wells MW-08 and MW-30B are both completed hydrostratigraphically beneath Unit B; however, monitor well MW-30B is completed closer to Unit B. Based on vertical hydraulic gradients observed

from water levels measured in the monitor wells completed below Unit B and those monitor wells completed within Unit B, it is expected that the compounds detected in groundwater collected from monitor well MW-30B will migrate stratigraphically upward and merge into Unit B groundwater in areas further downgradient. TCE has been detected in groundwater collected from Unit B monitor wells MW-31, MW-32B, and MW-33 near Malvern Avenue, which suggests that groundwater from the deeper zone is merging with that of Unit B.

5.0 STATUS OF CORRECTIVE MEASURE STUDY ACTIVITIES

Periodic groundwater monitoring, groundwater extraction and treatment pilot testing, and additional groundwater assessment were conducted to support a CMS for the Site under continuing direction from the DTSC. As part of the CMS, multiple addenda of the AGAWP have been implemented at the Site. Monitor wells have been installed to more fully delineate the distribution of VOCs, principally 1,1-DCE and 1,4-dioxane, in the Target Zone (H+A, 2003b, 2008b, 2010c, 2011c, 2013a, 2013e, and 2014). Results of the additional groundwater assessments completed through 2014 indicate that groundwater assessment is sufficiently complete for the purposes of completing the CMS. Ongoing groundwater treatment pilot testing indicates the current Advanced Oxidation Process being implemented is capable of meeting expected future treatment goals; and hydraulic containment of groundwater at the Site is feasible.

A technical memorandum summarizing the current conceptual site model and development of a numerical groundwater flow model for the Site was submitted to the DTSC in February 2015 (H+A, 2015a). A CMS Report was prepared to evaluate potential full-scale Groundwater Corrective Measures alternatives and to propose a preferred alternative for the Site; the CMS Report was submitted to the DTSC in June 2015 (H+A, 2015c). The DTSC reviewed the technical memorandum regarding the conceptual site model/numerical model and the CMS Report and provided comments on these documents (DTSC, 2015a, 2015b, and 2015c). Responses to DTSC comments on these documents were prepared and submitted to DTSC in November 2015 (H+A, 2015d). The DTSC approved the CMS Report in a letter to Raytheon dated December 9, 2015 (DTSC, 2015d). DTSC's approval of the CMS Report does not necessarily reflect an endorsement of the proposed remedy, but rather that the CMS Report provides the necessary information for DTSC to select a remedy. The DTSC will propose a final remedy in a Statement of Basis document that will be available for public review and comment prior to finalizing and implementing the remedy.

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TABLE 1

GROUNDWATER MONITORING PROGRAM

WELL IDENTIFIER	HYDROGEOLOGIC ZONE	SAMPLED FEB 2018	SAMPLING FREQUENCY			
			QUARTERLY FEB, MAY, AUG, NOV	SEMIANNUAL FEBRUARY, AUGUST	ANNUAL FEBRUARY	BIENNIAL FEB (EVEN YEARS)
P-07	Perched	X			VOCs; 1,4-Dioxane	
P-09	Perched	X			VOCs; 1,4-Dioxane	
MW-35A	Other	X				VOCs; 1,4-Dioxane
MW-17	A		PIEZOMETER - WATER LEVEL MEASUREMENT ONLY			
MW-18	A	X		VOCs; 1,4-Dioxane		
MW-19	A	X				VOCs
MW-22	A	X				VOCs; 1,4-Dioxane
MW-23	A	X				VOCs
MW-34A	A	X		VOCs; 1,4-Dioxane		
MW-35B	A	X				VOCs; 1,4-Dioxane
MW-38	A	X			VOCs; 1,4-Dioxane	
MW-13	AB	X			VOCs; 1,4-Dioxane	
MW-15	AB	X		VOCs		
MW-26A	AB		PIEZOMETER - WATER LEVEL MEASUREMENT ONLY			
MW-26B	AB		PIEZOMETER - WATER LEVEL MEASUREMENT ONLY			
MW-32A	AB	X		VOCs; 1,4-Dioxane		
EW-01	B	X	VOCs; 1,4-Dioxane			
EW-02*	B	X	VOCs; 1,4-Dioxane			
MW-16	B	X		VOCs; 1,4-Dioxane		
MW-26C	B	X	VOCs; 1,4-Dioxane			
MW-27	B	X			VOCs; 1,4-Dioxane	
MW-28	B	X	VOCs; 1,4-Dioxane			
MW-29*	B	X	VOCs; 1,4-Dioxane			
MW-30A	B	X	VOCs; 1,4-Dioxane			
MW-31	B	X	VOCs; 1,4-Dioxane			
MW-32B	B	X	VOCs; 1,4-Dioxane			
MW-33	B	X	VOCs; 1,4-Dioxane			
MW-34B	B	X	VOCs; 1,4-Dioxane			
MW-35C	B	X	VOCs; 1,4-Dioxane			
MW-36	B	X	VOCs; 1,4-Dioxane			
MW-39	B	X	VOCs; 1,4-Dioxane			
MW-40	B	X	VOCs; 1,4-Dioxane			
MW-41	B	X	VOCs; 1,4-Dioxane			
MW-21	BC	X	VOCs; 1,4-Dioxane			
MW-08	BC	X	VOCs; 1,4-Dioxane			
MW-30B	BC	X	VOCs; 1,4-Dioxane			
MW-34C	BC	X		VOCs; 1,4-Dioxane		
MW-09	C	X		VOCs; 1,4-Dioxane		
MW-24	C	X			VOCs; 1,4-Dioxane	
MW-32C	C	X		VOCs; 1,4-Dioxane		
MW-06	D	X			VOCs	
MW-20	D	X		VOCs; 1,4-Dioxane		
MW-25	D		WATER LEVEL MEASUREMENT ONLY			
MW-37	D	X			VOCs; 1,4-Dioxane	

FOOTNOTES

Groundwater Monitoring Program 2014/2015 Letter (Hargis + Associates, Inc., 2015)

* = Extraction well monitored monthly as part of the Groundwater Extraction and Treatment System Pilot Testing

VOCs = volatile organic compounds

TABLE 2

WELL CONSTRUCTION SUMMARY

Well Identifier	Date Installed	Current Land Surface Elevation (feet msl)	Current Reference Point Elevation (feet msl)	Total Depth of Borehole (feet bls)	Perforated Interval (feet bls)	Screen Slot Size (inches)	Borehole Diameter (inches)	Casing Diameter (inches)(a)	Filter Pack Interval (feet bls)	Filter Pack Sand Size	Grout Filter/ Intermediate Seal Interval (feet bls)(b)	Annular Seal Interval (feet bls)(c)
Regional Groundwater System Monitor Wells, Extraction Wells and Piezometers												
MW-06	1/16/1997	184.96	184.70	190.9	149.6-189.6	0.010	8.5	2	145.4-190.9	#2/16	139.4-145.4(d)	0-139.4
MW-08	1/22/1997	156.60	155.91	167.2	126.1-166.1	0.010	8.5	2	120.7-167.2	#2/16	115.7-120.7	0-115.7
MW-09	3/21/1997	180.48	180.10	194.2	152.2-192.2	0.010	8.5	2	146.2-194.2	#2/16	141.2-146.2	0-141.2
MW-13	4/16/1997	142.44	141.84	159.5	120.6-159.6	0.010	8.5	2	114.6-159.6	#2/16	109.6-114.6	0-109.6
MW-15	5/18/1998	145.54	144.95	174.7	120.8-170.8	0.010	8.5	2	115.8-174.8	#2/16	112.8-115.8	0-112.8
MW-16	11/20/1999	142.98	142.40	179.5	148.5-178.5	0.010	11.0	4	144.5-179.5	#2/16	134.5-144.5(e)	0-134.5
MW-17	5/31/2000	142.70	142.70	203.6	173.1-193.1(i)	0.020	10.0	4	159.7-193.1	#2/16	156.2-159.7 193.1-203.7(j)	0-156.2
MW-18	5/24/2000	142.39	142.32	195.6	164.1-194.1	0.020	10.0	4	158.9-194.5	#2/16	154.2-158.9	0-154.2
MW-19	5/26/2000	142.72	142.06	205.5	184.9-204.9	0.020	10.0	4	177.0-205.3	#2/16	171.5-177.0	0-171.5
MW-20	6/26/2003	184.36	184.19	200.0	158.6-198.2	0.020	11.0	4(f)	158.0-200.0	#2/12	151.0-158.0(g)	0-151.1(h)
MW-21	7/17/2003	143.34	141.18	238.3	212.1-232.1	0.010	8.0	4(k)	205.0-234.5	#2/16	202.0-205.0 234.5-238(j)	0-202.0(h)
MW-22	8/13/2003	139.39	138.65	245.0	217.4-237.4	0.020	8.0	4(l)	215.0-238.0	#2/12	208.0-215.0(m)	0-208.0(h)
MW-23	8/18/2003	137.75	137.33	235.6	215.2-235.2	0.020	8.0	4(n)	209.4-235.6	#2/12	203.5-209.4(m)	0-203.5(h)
MW-24	9/15/2004	143.05	142.83	338.0	310.3-330.3	0.030	10.6	4(o)	306-330	#3	301-306(p)	0-301(h)
MW-25	9/10/2004	142.97	142.64	805	449.4-479.8	0.010	8.5(q)	2(r)	429-485	#2/16	418-429	0-418(h)
MW-26A(s)	10/1/2004	137.64	137.04	805	279-309	0.020	12.25(q)	2(t)	274-315	#2/12	266-274	0-266(h)
MW-26B(s)	10/1/2004	137.64	137.05	805	339-379	0.020	12.25(q)	2(u)	334-387	#2/12	266-274	0-266(h)
MW-26C(s)	10/1/2004	137.64	137.22	805	459-499	0.020	12.25(q)	2(v)	435-499	#2/12	387-435(w)	0-266(h)
MW-27	4/22/2008	137.60	137.16	550	475-505.2(cc)	0.030	11.25(q)	4(z)	468-520	#3	457.5-468	0-457.5(h)
MW-28	5/5/2008	141.38	140.77	425	335-375	0.040	12.25(q)	4(z)	325.4-377	#8	318-325.4	0-318(h)
MW-29	8/15/2008	148.83	139.81	265.7	200-240	0.020	10.0(aa)	4(z)	185-246	#2/12	176-185	0-176(h)
MW-30A(s)	11/26/2008	130.20	129.44	635(j)	524-564	0.020	14.25	3(y)	515.9-570.5	#2/12	495.5-515.9	0-495.5(bb)
MW-30B(s)	11/26/2008	130.20	129.39	635(j)	596-616	0.020	14.25	3(y)	586.8-625	#2/12	586.8-570.5	0-495.5(bb)
MW-31	10/2/2009	120.31	119.60	1,100(jj)	946-996	0.020	13	6(kk)	922-1,006	#2/12	904-922	0-904
MW-32A(s)	12/10/2009	93.35	92.88	1,153(gg)	890-905	0.020	18.5	4(dd)	880-910	#2/12	832-880	0-832
MW-32B(s)	12/10/2009	93.35	92.89	1,153(gg)	969-999	0.020	18.5	4(dd)	960-1,004.5	#2/12	910-960	0-832
MW-32C(s)	12/10/2009	93.35	92.88	1,153(gg)	1,070-1,090	0.020	18.5	4(dd)	1,054-1,100	#2/12	1,004.5-1,054	0-832
MW-33	7/2/2010	83.80	83.19	1,080(hh)	980-1,020	0.020	11	4(dd)	970-1,025	#2/12	924-970	0-924(ii)
MW-34A	2/3/2011	154.00	153.25	290	220-280	0.020	12.25	4(dd)	211-290	#2/12	175-211	0-175
MW-34B	2/1/2011	153.90	153.11	540	486-536	0.020	12.25	4(dd)	475-540	#2/12	449-475	0-449
MW-34C	1/19/2011	154.10	153.29	709(ll)	556-576	0.020	12.25	4(dd)	551-582	#2/12	530-551	0-530
MW-35A	12/20/2010	94.30	93.57	1,101	420-470	0.020	18	4(dd)	401-482	#2/12	376-401	0-376
MW-35B	12/20/2010	94.30	93.56	1,101	745-805	0.020	18	4(dd)	725-816	#2/12	482-725	0-376
MW-35C	12/20/2010	94.30	93.55	1,101(ll)	990-1,040	0.020	12.25	4(dd)	980-1,048	#2/12	816-980	0-376
MW-36	1/3/2012	87.19	86.65	1,030(mm)	934-954 974-994	0.020	12.25	4(dd)	914-1,003	#2/12	95-853(oo) 853-914(pp)	0-95(qq)
MW-37	10/17/2012	156.02	155.60	916	770-820	0.020	12.25	4(dd)	755-834	#2/12	229-724(rr) 724-755(pp)	0-229(ss)
MW-38	7/29/2013	155.70	154.90	203	150-200	0.020	10	4(z)	140-203	#2/12	120-140 (pp)	0-120(qq)
MW-39	7/25/2013	84.71	84.25	1,080(ll)	982-1,012	0.020	12.25	4(dd)	974-1,017	#2/12	156-917(rr) 917-974(pp)	0-156(qq)
MW-40	7/2/2013	124.09	123.40	1,040(ll)	930-970	0.030	12.25	6(dd)	916-975	#3	175-880(rr) 880-916(pp)	0-175(qq)
MW-41	8/22/2014	156.02	155.60	436.3(mm)	385-425	0.020	12.25	4(dd)	373.5-427	#2/16	165-357(rr) 357-373.5(pp)	0-165(qq)
EW-01	5/16/2005	143.30	141.07	195	138.1-188.1	0.020	7.6	4(x)	134.1-195	#2/12	129-134.1(m)	0-129(h)
EW-02	10/20/2009	136.04	132.97	473(ee)	410-460	0.030	17.0	8(ff)	400-465	#3	384-400	0-384
Perched Zone Piezometers												
P-07	6/6/1997	142.7	142.31	116.8	107.7-117.7	0.010	8.5	2	104.7-117.7	#2/16	101.7-104.7	0-101.7
P-09	6/30/2003	184.3	183.86	130.0	109.6-129.6	0.010	11.0	4	114.0-130.0	#2/16	101.0-108.0(g)	0-101.0(h)

NOTE: Refer to page 2 of this table for footnotes.

TABLE 2

WELL CONSTRUCTION SUMMARY

FOOTNOTES

msl = Mean sea level, City of Fullerton datum
bls = Below current land surface (October 2004)
(a) = Schedule 40 polyvinyl chloride (PVC) screen and casing, unless otherwise indicated
(b) = Medium bentonite chip seal, unless otherwise indicated
(c) = Bentonite grout annular seal unless otherwise indicated, completed at surface with vault set in concrete
(d) = No. 60 silica sand
(e) = Includes 2.0 feet of No. 60 silica sand placed above filter pack
(f) = Schedule 80 polyvinyl chloride screen and casing
(g) = Includes 2.5 to 3.0 feet of No. 60 silica sand placed above bentonite chip seal
(h) = Cement/bentonite grout, Type I/II Portland, less than 5% bentonite
(i) = Well plug, approximately 0.5-foot length, set at bottom of perforated interval
(j) = Bottom of borehole backfilled with bentonite chips
(k) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 122.0 - 212.1 feet bls; Schedule 40 mild steel casing 0 - 122.0 feet bls
(l) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 112.4 - 217.4 feet bls; Schedule 40 mild steel casing 0 - 112.4 feet bls
(m) = 1/4-inch coated bentonite pellets
(n) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 110.1 - 215.2 feet bls; Schedule 40 mild steel casing 0 - 110.1 feet bls
(o) = Mild steel wire wrap screen and Schedule 40 mild steel well casing
(p) = Includes 1 to 2 feet of #2/16 sand placed above bentonite chip seal
(q) = Below filter pack, diameter of the original pilot borehole is 5 to 6.25 inches to total depth of boring. Lower borehole backfilled with cement/bentonite grout, Type I/II Portland, less than 5% bentonite
(r) = Stainless steel wire wrap screen, Schedule 10 stainless steel casing 429.4 - 449.4 feet bls, Schedule 80 polyvinylchloride casing 429.0 - 429.4 feet bls, Schedule 40 mild steel casing 0 - 429.0 feet bls
(s) = Nested wells MW-26A, MW-26B, MW-26C, and MW-32A, MW-32B, MW-32C are constructed with three separate well casings in a single borehole; nested well MW-30A and MW-30B is constructed with two separate casings in a single borehole
(t) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 259 - 279 feet bls and 0 - 19 feet bls; Schedule 40 mild steel casing 19 - 259 feet bls
(u) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 319 - 339 feet bls; Schedule 40 mild steel casing 0 - 319 feet bls
(v) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 439 - 459 feet bls; Schedule 40 mild steel casing 0 - 439 feet bls
(w) = #8 granular bentonite with exception of heavy mud/formational caving filling annular interval from 417 to 428 feet bls
(x) = Stainless steel wire wrap screen; Schedule 10 stainless steel casing 118.1-138.1 feet bls; Schedule 40 mild steel casing 0-118.1 feet bls
(y) = Schedule 40 Stainless steel endcaps; Schedule 10 stainless steel casing; Stainless steel wire wrap screen
(z) = Schedule 80 PVC blank and screen casing
(aa) = Below filter pack, diameter of the original pilot borehole is 8 inches to total depth of boring. Lower borehole backfilled with cement/bentonite grout, Type I/II Portland, less than 5% bentonite
(bb) = Neat cement
(cc) = Depth of screen interval adjusted to account for loss at bottom of casing due to breakage in casing wall. Original casing (515 ft bls) was sealed at 505.2 ft bls
(dd) = Schedule 40 Stainless steel endcaps; Schedule 80 polyvinyl chloride casing; Stainless steel wire wrap screen
(ee) = Pilot borehole drilled to a total depth of 493 feet bls and backfilled with 5% bentonite-cement grout seal to 465 feet bls
(ff) = Schedule 40 Stainless steel endcaps; Schedule 40 stainless steel casing; Stainless steel wire wrap screen; 2.5-foot stainless steel sump
(gg) = Pilot borehole drilled to a total depth of 1,153 feet bls and backfilled with 5% bentonite-cement grout seal to 1,100 feet bls
(hh) = Pilot borehole drilled to a total depth of 1,080 feet bls and backfilled with 5% bentonite-cement grout seal to 1,025 feet bls
(ii) = Annular seal interval is composed of cement grout with approximately 5% bentonite from 720 to 924 feet bls and bentonite grout from near land surface to 720 feet bls
(jj) = Pilot borehole drilled to a total depth of 1,100 feet bls and backfilled with 5% bentonite-cement grout seal to 1,006 feet bls
(kk) = Schedule 40 Stainless steel endcaps; Schedule 40 stainless steel casing; Stainless steel wire wrap screen; 5-foot stainless steel sump
(ll) = Bottom of borehole backfilled with approximately 5% bentonite-cement grout
(mm) = Bottom of borehole backfilled with bentonite pellets
(oo) = High solids bentonite grout
(pp) = Bentonite chips
(qq) = Portland cement with approximately 5% bentonite
(rr) = Medium bentonite chips and #2/12 Sand; 1:1 dry volume mix
(ss) = Portland cement with approximately 2.5% bentonite

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells			
MW-06	01/27/97	29.65	
	02/18/97	32.01	
	02/26/97	32.30	
	03/06/97	32.75	
	03/12/97	33.03	
	03/28/97	33.37	
	05/19/97	31.42	
	10/16/97	16.22	
	05/13/98	31.27	
	05/27/98	30.78	
	06/11/98	29.84	
	07/14/98	26.81	
	11/11/98	18.67	
	11/18/98	19.45	SVE, DPE-H2O
	11/18/98	19.31	SVE, DPE-H2O
	11/19/98	19.45	SVE, DPE-H2O
	11/20/98	20.10	SVE, DPE, DPE-H2O
	11/23/98	19.84	SVE, DPE-H2O
	11/23/98	19.87	SVE, DPE-H2O
	11/24/98	19.83	SVE, DPE-H2O
	12/07/98	21.19	SVE, DPE-H2O
	12/10/98	21.71	SVE, DPE, DPE-H2O
	12/11/98	22.13	SVE, DPE, DPE-H2O
	12/14/98	22.45	SVE, DPE-H2O
	12/14/98	22.55	SVE, DPE-H2O
	12/16/98	22.54	SVE, DPE, DPE-H2O
	01/06/99	23.87	SVE, DPE, DPE-H2O
	01/20/99	24.35	
	01/25/99	24.69	DPE, DPE-H2O
	01/27/99	24.56	SVE, DPE, DPE-H2O
	02/01/99	24.90	DPE, DPE-H2O
	02/10/99	25.40	SVE, DPE, DPE-H2O
	02/23/99	25.97	
	03/01/99	25.94	DPE
	03/09/99	25.88	SVE, DPE, DPE-H2O
	03/10/99	25.92	SVE, DPE, DPE-H2O
	04/07/99	26.45	SVE, DPE-H2O
	04/23/99	27.27	SVE, DPE-H2O
	06/16/99	23.65	SVE, DPE-H2O
	06/25/99	22.36	SVE, DPE-H2O
	08/30/99	10.19	DPE-H2O
	09/27/99	7.49	
	11/02/99	4.99	
	12/06/99	15.40	
	02/07/00	10.06	
	03/08/00	13.45	
	05/08/01	19.18	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-06	06/26/01	12.24	
(Cont'd)	10/24/01	--	
	01/15/02	4.92	
	03/19/02	10.47	
	04/15/02	11.50	
	11/18/02	5.52	
	01/17/03	14.51	
	05/08/03	14.26	
	06/09/03	12.88	
	09/15/03	7.61	
	10/14/03	6.39	
	12/15/03	8.46	
	03/29/04	18.10	
	06/14/04	15.29	
	09/20/04	5.22	
	11/10/04	4.05	
	12/06/04	5.97	
	03/14/05	17.71	
	06/20/05	22.11	
	09/20/05	19.60	
	12/17/05	28.80	
	03/20/06	37.47	
	05/18/06	41.45	
	06/19/06	39.22	
	09/25/06	30.55	
	10/05/06	30.23	
	12/12/06	32.42	
	03/12/07	34.79	
	06/18/07	28.51	
	09/24/07	11.20	
	12/10/07	1.55	
	03/17/08	2.62	
	06/23/08	1.78	
	09/22/08	-1.85	
	12/15/08	-3.75	
	12/19/08	-3.77	
	03/16/09	-2.88	
	03/18/09	-2.81	
	06/22/09	-1.73	
	06/26/09	-1.76	
	08/31/09	-2.61	
	09/10/09	-2.72	
	12/07/09	-3.12	
	03/01/10	-0.13	
	03/22/10	2.35	
	06/07/10	6.43	
	09/07/10	4.50	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-06	12/06/10	5.95	
(Cont'd)	03/24/11	--	
	06/20/11	20.50	
	08/01/11	24.39	
	10/31/11	30.97	
	02/06/12	34.19	
	05/07/12	35.33	
	08/06/12	29.85	
	11/05/12	22.88	
	02/04/13	26.85	
	05/13/13	26.56	
	08/12/13	17.41	
	11/11/13	9.22	
	02/03/14	10.10	
	05/19/14	7.62	
	08/18/14	0.10	
	11/04/14	-1.94	
	02/02/15	1.65	
	05/11/15	7.12	
	08/10/15	5.33	
	11/02/15	3.41	
	02/01/16	6.56	
	05/02/16	8.77	
	08/01/16	7.06	
	11/07/16	3.07	
	02/06/17	8.60	
	05/15/17	15.42	
	08/07/17	14.98	
	11/06/17	28.38	
	02/26/18	36.02	
MW-08	01/27/97	18.87	
	02/18/97	19.75	
	02/26/97	19.93	
	03/06/97	19.91	
	03/12/97	19.98	
	03/28/97	20.07	
	05/19/97	20.20	
	05/13/98	19.99	
	05/27/98	20.13	
	06/11/98	20.23	
	08/30/99	14.40	DPE-H2O
	12/06/99	10.17	3.4 inches water in vaccum
	02/07/00	9.85	
	03/08/00	10.30	
	05/09/01	7.29	
	06/26/01	7.00	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-08	10/24/01	2.99	
(Cont'd)	01/15/02	2.37	
	03/19/02	3.70	
	04/15/02	4.06	
	11/18/02	1.57	
	01/17/03	5.58	
	05/08/03	8.14	
	06/09/03	7.77	
	09/15/03	--	
	10/14/03	--	
	12/15/03	5.72	
	03/29/04	10.51	
	06/14/04	12.23	
	09/20/04	10.46	
	10/19/04	10.17	
	11/10/04	9.87	
	12/06/04	10.20	
	03/14/05	13.59	
	06/20/05	16.30	
	09/19/05	16.14	
	12/17/05	20.81	
	03/20/06	28.89	
	05/18/06	34.38	
	06/19/06	34.60	
	09/25/06	31.53	
	10/05/06	31.35	
	12/12/06	32.08	
	03/12/07	28.67	
	06/18/07	23.55	
	09/24/07	17.95	
	12/10/07	13.26	
	03/17/08	10.08	
	06/23/08	6.91	
	09/22/08	2.38	
	12/15/08	-1.12	
	12/19/08	-1.48	
	03/16/09	-1.96	
	03/18/09	-2.01	
	06/22/09	-1.72	
	06/26/09	-1.79	
	08/31/09	-3.46	
	09/10/09	-3.54	
	10/28/09	-3.84	
	10/30/09	-3.82	
	11/04/09	-3.93	
	12/07/09	-3.26	
	03/01/10	-1.20	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-08	03/03/10	-1.17	
(Cont'd)	06/07/10	2.94	
	09/07/10	4.00	
	12/06/10	3.69	
	03/24/11	9.72	
	03/25/11	10.36	
	06/20/11	14.19	
	08/01/11	15.97	
	08/05/11	16.11	
	10/31/11	19.03	
	02/06/12	19.87	
	05/07/12	28.58	
	08/06/12	25.20	
	11/05/12	19.24	
	02/04/13	20.03	
	05/13/13	21.59	
	08/12/13	18.11	
	11/11/13	14.89	
	02/03/14	15.19	
	05/19/14	14.13	
	08/18/14	9.51	
	11/04/14	5.72	
	02/02/15	6.70	
	05/11/15	8.63	
	08/10/15	7.49	
	11/02/15	6.10	
	02/01/16	7.51	
	05/02/16	8.65	
	08/01/16	7.16	
	11/07/16	5.31	
	02/06/17	6.85	
	05/15/17	11.47	
	08/07/17	11.71	
	11/06/17	17.24	
	02/26/18	28.57	
MW-09	03/25/97	28.84	
	03/28/97	29.08	
	05/19/97	28.11	
	05/13/98	27.24	
	05/27/98	26.85	
	06/11/98	26.39	
	07/14/98	23.86	
	11/11/98	15.44	
	11/18/98	15.70	SVE, DPE-H2O
	11/18/98	15.85	SVE, DPE-H2O
	11/19/98	15.79	SVE, DPE-H2O

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-09	11/20/98	15.78	SVE, DPE, DPE-H2O
(Cont'd)	11/23/98	15.95	SVE, DPE-H2O
	11/23/98	15.99	SVE, DPE-H2O
	11/24/98	15.97	SVE, DPE-H2O
	12/07/98	16.44	SVE, DPE-H2O
	12/10/98	16.75	SVE, DPE, DPE-H2O
	12/11/98	16.74	SVE, DPE, DPE-H2O
	12/14/98	17.24	SVE, DPE-H2O
	12/16/98	17.45	SVE, DPE, DPE-H2O
	01/06/99	18.66	SVE, DPE, DPE-H2O
	01/20/99	19.24	
	01/25/99	19.62	DPE, DPE-H2O
	01/27/99	19.44	SVE, DPE, DPE-H2O
	02/01/99	19.57	SVE, DPE, DPE-H2O
	02/10/99	19.99	SVE, DPE, DPE-H2O
	02/23/99	20.64	
	03/01/99	20.74	DPE
	03/09/99	20.69	SVE, DPE, DPE-H2O
	03/10/99	20.72	SVE, DPE, DPE-H2O
	03/15/99	20.85	SVE, DPE, DPE-H2O
	04/07/99	21.07	SVE, DPE-H2O
	04/23/99	21.81	SVE, DPE-H2O
	06/16/99	19.31	SVE, DPE-H2O
	06/25/99	18.32	SVE, DPE-H2O
	08/30/99	9.52	DPE-H2O
	09/27/99	6.62	
	11/02/99	3.34	
	11/09/99	2.91	
	11/10/99	2.98	
	11/23/99	2.50	
	12/06/99	2.83	
	12/07/99	3.01	
	02/07/00	5.91	
	06/29/00	--	
	10/24/01	-2.01	
	01/15/02	0.03	
	03/19/02	4.58	
	04/15/02	5.86	
	11/18/02	0.48	
	01/17/03	7.84	
	05/08/03	9.72	
	06/09/03	8.71	
	09/15/03	4.25	
	09/24/03	3.82	
	10/14/03	3.18	
	12/15/03	4.28	
	03/29/04	13.20	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-09	06/14/04	11.74	
(Cont'd)	09/20/04	3.81	
	10/19/04	2.10	
	11/10/04	2.35	
	12/06/04	3.46	
	03/14/05	13.10	
	06/20/05	17.97	
	09/19/05	15.52	
	12/17/05	23.81	
	03/20/06	33.20	
	05/18/06	37.33	
	06/19/06	35.46	
	09/25/06	28.14	
	10/05/06	27.77	
	12/19/06	29.70	
	03/12/07	31.29	
	06/18/07	--	
	09/24/07	8.77	
	12/10/07	0.37	
	03/17/08	-0.61	
	06/27/08	-2.10	
	09/22/08	-7.43	
	12/15/08	--	Dry @ 190.2 ft bls
	03/16/09	--	Dry @ 190.0 ft bls
	06/23/09	-7.59	
	08/31/09	-9.24	
	12/07/09	-9.25	
	03/02/10	-5.99	
	03/03/10	-5.98	
	06/07/10	-0.01	
	09/07/10	-0.41	
	12/06/10	0.27	
	03/24/11	10.06	
	06/20/11	15.06	
	08/01/11	18.26	
	11/01/11	24.97	
	02/06/12	29.91	
	05/07/12	32.56	
	08/06/12	27.33	
	11/05/12	20.10	
	02/04/13	23.33	
	05/13/13	24.42	
	08/14/13	15.07	
	11/11/13	--	
	02/05/14	8.39	
	05/19/14	6.80	
	08/20/14	-1.00	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-09	11/04/14	0.00	
(Cont'd)	02/02/15	-1.96	
	05/11/15	--	
	08/10/15	2.25	
	11/02/15	0.64	
	02/01/16	3.05	
	05/02/16	5.55	
	08/01/16	4.02	
	11/07/16	0.69	
	02/06/17	4.38	
	05/15/17	12.04	
	08/07/17	11.81	
	11/06/17	22.49	
	02/26/18	32.81	
MW-13	05/19/97	13.86	
	05/13/98	12.36	
	05/27/98	13.25	
	06/11/98	13.29	
	11/02/99	-3.94	
	11/09/99	-4.33	
	11/10/99	-4.44	
	11/11/99	-4.44	
	11/23/99	-5.00	
	12/06/99	-5.43	
	12/07/99	-5.46	
	02/07/00	-4.96	
	06/21/00	-1.87	
	07/05/00	-3.13	
	01/16/01	-9.07	
	03/19/01	-6.80	
	03/26/01	-6.21	
	04/03/01	-5.79	
	04/10/01	-5.49	
	04/17/01	-5.39	
	04/26/01	-4.99	
	05/07/01	-4.63	
	06/26/01	-5.10	
	09/10/01	-9.13	
	10/22/01	-11.43	
	10/24/01	-11.49	
	01/15/02	-11.59	
	01/15/02	-11.57	
	03/19/02	-6.67	
	04/15/02	-6.10	
	10/31/02	-12.20	
	10/31/02	-12.19	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-13	11/07/02	-11.78	
(Cont'd)	11/07/02	-11.76	
	11/18/02	-11.01	
	01/17/03	0.06	
	05/08/03	3.29	
	06/09/03	1.38	
	09/15/03	-4.44	
	10/14/03	-5.54	
	12/02/03	-3.02	
	12/15/03	-1.72	
	03/29/04	9.25	
	06/14/04	9.43	
	09/20/04	3.20	
	10/19/04	1.88	
	11/10/04	2.13	
	12/06/04	3.11	
	03/14/05	14.24	
	06/20/05	12.70	
	09/19/05	9.75	
	12/17/05	26.09	
	03/20/06	29.61	
	06/19/06	33.82	
	09/25/06	26.53	
	12/12/06	29.60	
	03/12/07	25.12	
	06/18/07	16.14	
	09/24/07	4.21	
	12/10/07	-4.32	
	03/17/08	-4.94	
	06/23/08	-7.19	
	09/22/08	-10.99	
	12/15/08	-14.72	
	03/16/09	-13.76	
	06/22/09	-9.86	
	08/31/09	-12.23	
	12/07/09	-11.13	
	03/01/10	-6.22	
	06/07/10	0.68	
	09/07/10	-0.48	
	12/06/10	-2.06	
	03/24/11	9.81	
	06/20/11	16.80	
	08/01/11	15.04	
	10/31/11	18.12	
	02/06/12	24.99	
	05/07/12	31.47	
	08/06/12	19.12	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-13	11/05/12	15.52	
(Cont'd)	02/04/13	19.61	
	05/13/13	19.19	
	08/12/13	10.26	
	11/11/13	3.48	
	02/03/14	8.98	
	05/19/14	6.15	
	08/18/14	-4.87	
	11/04/14	-8.75	
	02/02/15	-3.14	
	05/11/15	--	
	08/10/15	-0.96	
	11/02/15	-3.51	
	02/01/16	1.44	
	05/02/16	2.84	
	08/01/16	-2.28	
	11/07/16	-5.07	
	02/06/17	0.37	
	05/15/17	11.24	
	08/07/17	6.37	
	11/06/17	23.56	
	02/26/18	28.18	
MW-15	05/27/98	5.37	
	06/11/98	6.04	
	11/09/99	-6.27	
	12/06/99	-7.36	
	02/07/00	-8.48	
	06/21/00	-5.37	
	07/05/00	-5.74	
	01/16/01	-11.90	
	03/19/01	-11.07	
	05/08/01	-9.81	
	06/26/01	-9.74	
	09/10/01	-12.08	
	10/24/01	-13.92	
	01/15/02	-14.68	
	03/19/02	-12.98	
	04/15/02	-12.44	
	11/18/02	-14.53	
	01/17/03	-9.73	
	05/08/03	--	
	06/09/03	-4.93	
	09/15/03	-7.73	
	09/23/03	-8.00	
	10/14/03	-8.65	
	12/15/03	-7.51	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-15	03/29/04	-1.11	
(Cont'd)	06/14/04	2.05	
	09/20/04	1.21	
	10/19/04	1.25	
	11/10/04	0.98	
	12/06/04	1.04	
	03/14/05	4.97	
	06/20/05	7.64	
	09/19/05	7.42	
	12/17/05	10.27	
	03/20/06	20.65	
	05/18/06	27.86	
	06/19/06	29.55	
	09/25/06	28.19	
	10/05/06	27.90	
	12/12/06	27.78	
	03/12/07	26.23	
	06/18/07	21.83	
	09/24/07	12.07	
	12/10/07	3.92	
	03/17/08	-4.73	
	06/23/08	-9.60	
	09/22/08	-15.28	
	12/15/08	-19.20	
	12/19/08	-19.69	
	03/16/09	-19.09	
	03/18/09	-20.41	
	06/22/09	-16.19	
	06/26/09	-16.25	
	08/31/09	-17.97	
	09/10/09	-18.13	
	10/28/09	-17.68	
	10/30/09	-17.74	
	11/04/09	-17.46	
	12/07/09	-16.41	
	03/01/10	-14.33	
	03/03/10	-14.16	
	03/09/10	-9.41	
	06/07/10	-9.51	
	09/07/10	-7.79	
	12/06/10	-8.17	
	03/24/11	-2.13	
	03/25/11	-1.82	
	06/20/11	2.09	
	08/01/11	3.92	
	08/05/11	4.31	
	10/31/11	6.67	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-15 (Cont'd)	02/06/12	11.54	
	05/07/12	19.09	
	08/06/12	20.25	
	11/05/12	14.91	
	02/04/13	14.19	
	05/13/13	16.92	
	08/12/13	10.65	
	11/11/13	4.80	
	02/03/14	4.02	
	05/19/14	3.01	
	08/18/14	-3.00	
	11/04/14	-8.36	
	02/02/15	-8.13	
	05/11/15	-4.56	
	08/10/15	-5.53	
	11/02/15	-7.08	
	02/01/16	-5.15	
	05/02/16	-3.63	
	08/01/16	-5.39	
	11/07/16	-7.97	
	02/06/17	-6.56	
	05/15/17	-0.40	
	08/07/17	0.15	
	11/06/17	4.20	
	02/26/18	17.35	
MW-16	11/09/99	-6.63	
	11/09/99	-6.76	
	11/10/99	-6.92	
	11/10/99	-9.93	
	11/22/99	0.14	
	11/23/99	-0.09	
	12/06/99	-0.28	
	12/07/99	-0.24	
	12/07/99	-8.42	
	02/07/00	1.33	
	02/18/00	1.72	
	06/21/00	3.42	
	07/05/00	2.46	
	07/06/00	2.46	
	01/16/01	-2.55	
	03/19/01	-0.29	
	03/26/01	0.11	
	04/03/01	0.38	
	04/10/01	0.68	
	04/17/01	0.98	
	04/26/01	0.68	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-16	05/10/01	1.48	
(Cont'd)	06/26/01	-2.91	
	10/24/01	-5.46	
	01/15/02	-5.63	
	03/19/02	-2.80	
	04/15/02	-2.51	
	10/31/02	-7.22	
	11/18/02	-4.38	
	01/17/03	9.30	
	01/17/03	9.29	
	05/08/03	0.49	
	06/09/03	-3.23	
	09/15/03	-7.52	
	09/19/03	-7.59	
	09/24/03	-7.64	
	09/25/03	-7.53	
	10/14/03	-6.78	
	12/02/03	-1.08	
	12/03/03	-0.79	
	12/15/03	1.23	
	03/29/04	13.56	
	04/29/04	13.84	
	06/14/04	8.45	
	09/20/04	-3.74	
	10/19/04	-3.52	
	11/10/04	-1.63	
	12/06/04	1.42	
	03/14/05	15.24	
	06/20/05	9.80	
	07/13/05	12.07	
	09/19/05	2.65	
	09/21/05	2.46	
	12/17/05	23.45	
	12/19/05	23.78	
	03/20/06	29.91	
	06/19/06	34.19	
	09/25/06	24.35	
	10/05/06	24.13	
	12/11/06	26.47	
	03/12/07	19.82	
	06/18/07	19.57	
	09/24/07	-10.52	
	12/10/07	-7.37	
	12/20/07	-7.76	
	03/17/08	-7.71	
	06/23/08	-9.73	
	07/11/08	-11.09	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-16	07/14/08	-11.00	
(Cont'd)	07/15/08	-11.08	
	07/30/08	-12.44	
	09/22/08	-17.18	
	10/22/08	-19.27	
	12/15/08	-21.90	
	12/19/08	-21.34	
	02/25/09	-16.71	
	03/16/09	-16.83	
	03/18/09	-17.62	
	04/29/09	-11.90	
	04/29/09	-11.95	
	05/27/09	-13.83	
	06/22/09	-15.17	
	06/26/09	-15.86	
	08/31/09	-17.88	
	09/10/09	-18.33	
	10/23/09	-16.10	
	10/30/09	-15.25	
	11/04/09	-14.85	
	12/07/09	-13.30	
	01/19/10	-11.97	
	03/01/10	-6.35	
	03/03/10	-5.98	
	06/07/10	-1.58	
	09/07/10	-8.90	
	12/06/10	-7.54	
	03/24/11	8.66	
	06/20/11	12.74	
	08/01/11	11.81	
	08/05/11	11.50	
	10/31/11	13.90	
	02/06/12	21.29	
	05/07/12	27.66	
	08/06/12	15.37	
	11/05/12	4.52	
	12/10/12	7.57	
	02/04/13	12.22	
	05/13/13	13.88	
	08/12/13	-4.77	
	11/11/13	-6.43	
	02/03/14	1.55	
	05/19/14	-4.48	
	08/18/14	-13.25	
	11/04/14	-12.80	
	02/02/15	-4.72	
	05/11/15	-1.77	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-16	08/10/15	-9.40	
(Cont'd)	11/02/15	-8.75	
	02/01/16	-0.92	
	05/02/16	-3.00	
	08/01/16	-8.85	
	11/07/16	-10.81	
	02/06/17	3.39	
	05/15/17	8.23	
	08/07/17	1.59	
	11/06/17	22.58	
	02/26/18	28.79	
MW-17	06/21/00	-4.88	
	07/05/00	-7.53	
	01/16/01	-8.86	
	03/19/01	-2.92	
	03/26/01	-2.68	
	04/03/01	-2.72	
	04/10/01	-2.52	
	04/17/01	-2.42	
	04/26/01	-2.62	
	05/08/01	-3.06	
	06/26/01	-7.60	
	09/10/01	-16.62	
	10/22/01	-19.96	
	10/24/01	-20.03	
	01/15/02	-7.81	
	03/19/02	-3.82	
	04/15/02	-4.43	
	11/18/02	-2.72	
	05/08/03	-0.28	
	06/09/03	-3.63	
	09/15/03	-8.95	
	10/14/03	-9.65	
	12/02/03	1.56	
	12/15/03	3.89	
	03/29/04	14.56	
	06/14/04	7.64	
	09/20/04	-2.68	
	10/19/04	-2.28	
	11/10/04	-0.05	
	12/06/04	3.99	
	03/14/05	17.17	
	06/20/05	10.06	
	09/19/05	5.17	
	12/17/05	25.98	
	03/20/06	29.46	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-17	06/19/06	33.69	
(Cont'd)	09/25/06	26.46	
	12/12/06	29.49	
	03/12/07	25.20	
	06/18/07	13.23	
	09/24/07	-6.63	
	12/10/07	-12.23	
	03/17/08	-6.53	
	06/23/08	-11.69	
	09/22/08	-20.13	
	12/15/08	-20.23	
	03/16/09	-8.73	
	06/22/09	-9.43	
	08/31/09	-13.69	
	12/07/09	-7.44	
	03/01/10	-2.80	
	06/07/10	3.60	
	09/08/10	-3.09	
	12/06/10	-1.23	
	03/24/11	13.79	
	06/20/11	16.82	
	08/01/11	15.55	
	10/31/11	18.32	
	02/06/12	25.04	
	05/07/12	31.40	
	08/06/12	19.60	
	11/05/12	12.98	
	02/04/13	20.15	
	05/13/13	19.80	
	08/12/13	3.48	
	11/11/13	1.52	
	02/03/14	9.99	
	05/19/14	0.41	
	08/18/14	-12.81	
	11/04/14	-13.75	
	02/02/15	2.30	
	05/11/15	2.79	
	08/10/15	-4.19	
	11/02/15	-2.86	
	02/01/16	5.25	
	05/02/16	1.29	
	08/01/16	-5.00	
	11/07/16	-5.60	
	02/06/17	9.12	
	05/15/17	11.39	
	08/07/17	5.02	
	11/06/17	24.36	
	02/26/18	29.09	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
MW-18	06/15/00	-4.54	
	06/21/00	-5.67	
	07/05/00	-8.04	
	01/16/01	-9.80	
	03/19/01	-3.94	
	03/26/01	-3.69	
	04/03/01	-3.67	
	04/10/01	-3.37	
	04/17/01	-3.27	
	04/26/01	-3.57	
	05/07/01	-4.04	
	06/26/01	-8.53	
	09/10/01	-17.52	
	10/22/01	-20.72	
	10/24/01	-20.77	
	01/15/02	-8.78	
	01/15/02	-8.73	
	03/19/02	-4.76	
	04/15/02	-5.35	
	10/31/02	-9.17	
	10/31/02	-9.13	
	11/07/02	-7.09	
	11/07/02	-7.06	
	11/18/02	-3.55	
	01/17/03	11.04	
	05/08/03	-1.08	
	06/09/03	-4.48	
	09/15/03	-9.82	
	10/14/03	-10.50	
	12/02/03	0.85	
	12/03/03	1.07	
	12/15/03	3.16	
	03/29/04	13.95	
	04/29/04	13.51	
	06/14/04	7.08	
	09/20/04	-3.30	
	10/19/04	-2.89	
	11/10/04	-0.71	
	12/06/04	3.89	
	03/14/05	16.64	
	06/20/05	10.53	
	07/13/05	13.47	
	09/19/05	4.50	
	09/21/05	4.32	
	12/17/05	25.50	
	02/24/06	33.36	
	03/20/06	29.13	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-18	05/18/06	36.09	
(Cont'd)	06/19/06	33.38	
	09/25/06	26.07	
	12/12/06	29.14	
	03/12/07	24.72	
	06/18/07	12.68	
	09/24/07	-7.37	
	12/10/07	-12.90	
	03/17/08	-7.35	
	06/23/08	-12.47	
	09/22/08	-20.85	
	12/15/08	-21.03	
	03/16/09	-9.65	
	06/22/09	-10.26	
	08/31/09	-14.56	
	12/07/09	-8.29	
	03/01/10	-3.57	
	06/07/10	2.89	
	09/07/10	-3.80	
	12/06/10	-1.98	
	03/24/11	13.20	
	06/20/11	16.29	
	08/01/11	14.91	
	10/31/11	17.67	
	02/06/12	24.52	
	05/07/12	31.00	
	08/06/12	19.22	
	11/05/12	12.37	
	02/04/13	19.57	
	05/13/13	19.21	
	08/12/13	2.73	
	11/11/13	0.82	
	02/03/14	9.39	
	05/19/14	-0.40	
	08/18/14	-12.69	
	11/04/14	-14.66	
	02/02/15	1.55	
	05/11/15	1.98	
	08/10/15	-5.12	
	11/02/15	-3.70	
	02/01/16	4.52	
	05/02/16	0.21	
	08/01/16	-6.16	
	11/07/16	-6.80	
	02/06/17	8.05	
	05/15/17	10.47	
	08/07/17	3.99	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-18	11/06/17	23.53	
(Cont'd)	02/26/18	28.29	
MW-19	06/14/00	-3.73	
	06/21/00	-5.10	
	07/05/00	-7.78	
	01/16/01	--	
	03/19/01	--	
	05/08/01	-3.22	
	06/26/01	-7.83	
	09/10/01	-16.95	
	10/22/01	-20.44	
	10/24/01	-20.43	
	01/15/02	-8.13	
	03/19/02	-4.05	
	04/15/02	-4.66	
	11/18/02	-3.13	
	05/08/03	-0.48	
	06/09/03	-3.84	
	09/15/03	-9.20	
	09/19/03	-9.30	
	10/14/03	-9.90	
	12/02/03	1.15	
	12/15/03	3.65	
	03/29/04	14.62	
	06/14/04	7.63	
	09/20/04	-2.83	
	10/19/04	-2.48	
	11/10/04	-0.22	
	12/06/04	3.85	
	03/14/05	17.22	
	06/20/05	11.09	
	09/19/05	5.23	
	12/17/05	26.13	
	03/20/06	30.01	
	06/19/06	34.01	
	09/25/06	26.62	
	12/12/06	29.72	
	03/12/07	25.52	
	06/18/07	13.40	
	09/24/07	-6.74	
	12/10/07	-12.43	
	03/17/08	-6.63	
	06/23/08	-11.75	
	09/22/08	-20.31	
	12/15/08	-20.46	
	03/16/09	-8.96	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-19	06/22/09	-9.69	
(Cont'd)	08/31/09	-13.97	
	12/07/09	-7.70	
	03/01/10	-3.01	
	06/07/10	3.52	
	09/08/10	-3.25	
	12/06/10	-1.39	
	03/24/11	13.93	
	06/20/11	16.90	
	08/01/11	15.66	
	10/31/11	18.53	
	02/06/12	25.31	
	05/07/12	31.69	
	08/06/12	19.07	
	11/05/12	12.33	
	02/04/13	19.57	
	05/13/13	19.30	
	08/12/13	2.78	
	11/11/13	0.63	
	02/03/14	9.15	
	05/19/14	-0.33	
	08/18/14	-12.67	
	11/04/14	-14.75	
	02/02/15	1.40	
	05/11/15	2.02	
	08/10/15	-4.99	
	11/02/15	-3.79	
	02/01/16	4.46	
	05/02/16	0.36	
	08/01/16	-5.93	
	11/07/16	-6.71	
	02/06/17	8.12	
	05/15/17	10.54	
	08/07/17	4.09	
	11/06/17	23.62	
	02/26/18	28.43	
MW-20	06/30/03	15.97	
	09/15/03	12.61	
	09/23/03	12.24	
	10/08/03	11.76	
	10/14/03	11.36	
	12/15/03	11.85	
	03/29/04	20.38	
	06/14/04	18.98	
	09/20/04	10.04	
	11/10/04	7.59	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-20	12/06/04	8.70	
(Cont'd)	03/14/05	19.14	
	06/20/05	25.59	
	09/19/05	23.81	
	12/17/05	30.42	
	03/20/06	39.67	
	06/19/06	42.19	
	09/25/06	34.86	
	12/12/06	35.42	
	03/12/07	38.15	
	06/18/07	34.19	
	09/24/07	17.73	
	12/10/07	7.43	
	03/17/08	7.19	
	06/23/08	7.66	
	09/22/08	1.59	
	12/15/08	-1.50	
	03/16/09	-0.43	
	06/22/09	2.12	
	08/31/09	0.69	
	12/07/09	-0.12	
	03/01/10	3.32	
	06/07/10	9.87	
	09/07/10	9.02	
	12/06/10	9.66	
	03/24/11	18.70	
	06/20/11	23.51	
	08/01/11	27.35	
	10/31/11	34.44	
	02/06/12	38.37	
	05/07/12	39.95	
	08/06/12	35.84	
	11/05/12	28.50	
	02/04/13	31.02	
	05/13/13	32.02	
	08/12/13	23.96	
	11/11/13	14.84	
	02/03/14	15.36	
	05/19/14	14.13	
	08/18/14	6.58	
	11/04/14	1.80	
	02/02/15	5.66	
	05/11/15	11.79	
	08/10/15	10.83	
	11/02/15	8.68	
	02/01/16	11.19	
	05/02/16	13.62	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-20	08/01/16	12.59	
(Cont'd)	11/07/16	8.44	
	02/06/17	12.09	
	05/15/17	19.92	
	08/07/17	19.78	
	11/06/17	29.84	
	02/26/18	40.04	
MW-21	09/15/03	-3.66	
	09/19/03	-3.85	
	09/23/03	-4.07	
	09/25/03	-4.37	
	10/08/03	-4.63	
	10/14/03	-5.04	
	12/02/03	-0.27	
	12/03/03	0.03	
	12/15/03	1.34	
	03/29/04	11.85	
	04/29/04	13.20	
	06/14/04	11.47	
	09/20/04	4.53	
	10/19/04	3.93	
	11/10/04	3.86	
	12/06/04	5.04	
	03/14/05	14.04	
	06/20/05	14.85	
	07/13/05	15.86	
	09/19/05	11.37	
	09/21/05	11.17	
	12/17/05	22.42	
	12/19/05	22.55	
	03/20/06	29.44	
	06/19/06	35.08	
	09/25/06	31.32	
	10/05/06	31.23	
	12/11/06	32.11	
	03/12/07	28.50	
	06/18/07	22.64	
	09/24/07	6.83	
	12/10/07	-3.69	
	01/21/08	-5.83	
	01/21/08	-8.2	
	03/17/08	-6.6	Pilot GETS
	05/27/08	-7.48	
	06/23/08	-9.17	
	07/09/08	-18.84	Pilot GETS
	07/11/08	-12.13	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-21	07/14/08	-11.66	Pilot GETS
(Cont'd)	07/15/08	-20.8	Pilot GETS
	07/30/08	-21.75	Pilot GETS
	08/14/08	-24.76	
	08/25/08	-26.29	
	09/22/08	-29.47	
	10/22/08	-31.17	
	12/15/08	-27.03	Pilot GETS
	12/19/08	-25.32	Pilot GETS
	01/07/09	-20.18	Pilot GETS
	02/25/09	-24.56	
	03/16/09	-25.15	Pilot GETS
	03/18/09	-23.34	Pilot GETS
	04/29/09	-15.73	Pilot GETS
	04/29/09	-21.77	Pilot GETS
	05/27/09	-21.53	Pilot GETS
	06/22/09	-22.07	Pilot GETS
	06/26/09	-22.31	Pilot GETS
	06/29/09	-22.75	Pilot GETS
	07/22/09	-25.29	Pilot GETS
	08/14/09	-29.06	Pilot GETS
	08/31/09	-25.62	Pilot GETS
	09/10/09	-27.11	Pilot GETS
	09/11/09	-25.95	
	10/08/09	-25.47	
	10/23/09	-14.80	
	10/30/09	-13.72	
	11/04/09	-12.90	
	12/07/09	-9.74	
	12/09/09	-13.82	
	03/01/10	-3.60	
	03/05/10	-15.23	
	06/07/10	3.30	
	09/07/10	1.31	
	12/06/10	0.13	
	03/24/11	11.59	
	06/20/11	16.61	
	08/01/11	17.46	
	08/05/11	17.54	
	10/14/11	20.49	Pilot GETS
	10/31/11	20.29	Pilot GETS
	12/08/11	9.41	Pilot GETS
	01/05/12	8.12	Pilot GETS
	01/06/12	7.99	Pilot GETS
	01/25/12	8.29	Pilot GETS
	02/06/12	8.88	Pilot GETS
	02/08/12	8.25	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-21	03/09/12	9.77	
(Cont'd)	04/02/12	27.10	
	05/07/12	30.10	
	06/26/12	29.56	
	08/06/12	25.44	
	11/05/12	18.42	
	02/04/13	20.37	
	05/13/13	21.79	
	08/12/13	11.42	
	11/11/13	4.94	
	02/03/14	8.65	
	05/19/14	5.63	
	08/18/14	-4.52	
	11/04/14	-9.73	
	02/02/15	-1.63	
	05/11/15	3.46	
	08/10/15	-0.23	
	11/02/15	-1.60	
	02/01/16	2.96	
	05/02/16	3.73	
	08/01/16	-0.02	
	11/07/16	-4.42	
	02/06/17	3.90	
	05/15/17	10.88	
	08/07/17	8.78	
	11/06/17	20.18	
	02/26/18	29.46	
MW-22	09/15/03	-8.75	
	09/15/03	-9.58	
	09/19/03	-9.00	
	09/23/03	-9.12	
	09/25/03	-9.27	
	10/08/03	-9.43	
	10/14/03	-9.59	
	12/02/03	1.85	
	12/03/03	2.09	
	12/15/03	4.18	
	03/29/04	14.81	
	04/29/04	14.27	
	06/14/04	7.85	
	09/20/04	-2.38	
	10/19/04	-2.16	
	11/10/04	0.22	
	12/06/04	4.27	
	03/14/05	17.48	
	06/20/05	11.32	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-22	07/13/05	14.28	
(Cont'd)	09/19/05	5.10	
	09/21/05	4.99	
	12/17/05	26.28	
	03/20/06	29.64	
	06/19/06	33.83	
	09/25/06	26.63	
	12/12/06	29.72	
	03/12/07	25.21	
	06/18/07	13.16	
	09/24/07	-6.54	
	12/10/07	-12.03	
	12/20/07	-11.89	
	01/21/08	-9.70	
	03/17/08	-6.46	
	04/21/08	-6.88	
	05/27/08	-9.35	
	06/23/08	-11.64	
	09/22/08	-20.04	
	12/15/08	-20.10	
	03/16/09	-8.42	
	06/22/09	-9.19	
	08/31/09	-13.45	
	12/07/09	-7.19	
	03/01/10	-2.47	
	03/02/10	-2.32	
	06/07/10	3.82	
	09/07/10	-2.84	
	12/06/10	-0.98	
	03/25/11	14.05	
	06/20/11	17.05	
	08/01/11	15.64	
	10/31/11	18.27	
	02/06/12	25.09	
	05/07/12	31.52	
	08/06/12	19.10	
	11/05/12	12.64	
	02/04/13	19.82	
	05/13/13	19.26	
	08/12/13	2.90	
	11/11/13	1.34	
	02/03/14	9.80	
	05/19/14	-0.10	
	08/18/14	-12.17	
	11/04/14	-14.11	
	02/02/15	2.20	
	05/11/15	2.32	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-22	08/10/15	-4.80	
(Cont'd)	11/02/15	-3.13	
	02/01/16	4.98	
	05/02/16	0.95	
	08/01/16	-5.63	
	11/07/16	-6.19	
	02/06/17	8.80	
	05/15/17	10.73	
	08/07/17	4.39	
	11/06/17	23.84	
	02/26/18	28.32	
MW-23	09/15/03	-10.14	
	09/19/03	-10.42	
	09/23/03	-10.42	
	09/25/03	-10.54	
	10/08/03	-10.76	
	10/14/03	-10.88	
	12/02/03	1.16	
	12/15/03	3.50	
	03/29/04	14.03	
	04/29/04	13.56	
	06/14/04	7.13	
	09/20/04	-2.86	
	10/19/04	--	
	11/10/04	-0.43	
	12/06/04	3.77	
	03/14/05	16.81	
	06/20/05	10.15	
	07/13/05	13.44	
	09/19/05	3.83	
	09/21/05	3.66	
	12/17/05	25.59	
	12/19/05	25.88	
	03/20/06	28.43	
	05/18/06	35.78	
	06/19/06	33.01	
	09/25/06	25.91	
	12/12/06	29.03	
	03/12/07	23.85	
	06/18/07	11.85	
	09/24/07	-7.61	
	12/10/07	-13.07	
	12/20/07	-12.90	
	03/17/08	-7.67	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-23	04/21/08	-8.17	
(Cont'd)	06/23/08	-13.00	
	08/26/08	-29.38	
	09/22/08	-21.25	
	12/15/08	-21.15	
	03/16/09	-9.10	
	06/23/09	-10.17	
	08/31/09	-14.25	
	10/23/09	-11.11	
	10/30/09	-10.49	
	11/04/09	-10.07	
	12/07/09	-7.85	
	03/01/10	-3.19	
	03/02/10	-2.87	
	06/07/10	3.03	
	09/07/10	-3.57	
	12/06/10	-1.82	
	03/15/11	13.93	
	03/24/11	12.76	
	06/20/11	16.18	
	08/01/11	14.36	
	08/05/11	13.43	
	10/31/11	16.73	
	01/13/12	22.92	
	01/26/12	23.91	
	02/06/12	23.84	
	05/07/12	30.54	
	06/08/12	25.18	
	06/26/12	25.94	
	08/06/12	18.02	
	11/05/12	11.38	
	02/04/13	18.61	
	05/13/13	17.86	
	08/12/13	1.50	
	09/18/13	-3.03	
	11/11/13	0.57	
	02/03/14	9.01	
	05/19/14	-1.46	
	08/18/14	-13.55	
	11/04/14	-15.18	
	02/02/15	1.43	
	05/11/15	1.29	
	08/10/15	-5.95	
	11/02/15	-3.92	
	02/01/16	4.23	
	05/02/16	-0.82	
	08/01/16	-7.08	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-23	11/07/16	-7.55	
(Cont'd)	02/06/17	7.88	
	05/15/17	9.28	
	08/07/17	2.78	
	11/06/17	22.84	
	02/26/18	26.79	
MW-24	09/23/04	3.48	
	10/19/04	1.74	
	11/10/04	2.23	
	12/06/04	3.49	
	03/14/05	13.71	
	06/20/05	18.21	
	07/13/05	18.23	
	09/19/05	15.32	
	09/21/05	15.83	
	12/17/05	24.46	
	12/19/05	24.51	
	03/20/06	33.58	
	06/19/06	35.53	
	09/25/06	27.79	
	10/05/06	27.48	
	12/11/06	29.22	
	03/12/07	31.23	
	06/18/07	24.75	
	09/24/07	7.68	
	12/10/07	-0.73	
	03/17/08	-0.87	
	06/23/08	-2.34	
	07/11/08	-3.67	
	07/14/08	-3.89	
	07/15/08	-4.01	
	09/22/08	-8.46	
	10/22/08	-9.89	
	12/15/08	-11.46	
	12/19/08	-11.98	
	02/25/09	-11.11	
	03/16/09	-10.11	
	03/18/09	-9.72	
	05/27/09	-7.55	
	06/22/09	-7.54	
	06/26/09	-7.59	
	08/31/09	-9.48	
	09/10/09	-9.76	
	12/07/09	-9.21	
	02/10/10	-6.75	
	02/12/10	-6.70	
	03/01/10	-5.71	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-24	03/03/10	-5.49	
(Cont'd)	06/07/10	0.63	
	09/07/10	-0.58	
	12/06/10	0.38	
	03/24/11	10.70	
	06/20/11	15.47	
	08/01/11	18.71	
	08/05/11	18.99	
	10/31/11	25.22	
	02/06/12	30.18	
	05/07/12	32.78	
	06/26/12	30.86	
	08/06/12	26.98	
	11/05/12	19.75	
	12/10/12	20.42	
	02/04/13	23.28	
	05/13/13	26.15	
	08/12/13	14.51	
	09/18/13	10.21	
	11/11/13	6.74	
	02/03/14	8.33	
	05/19/14	6.11	
	08/18/14	-1.62	
	11/04/14	-6.27	
	02/02/15	-1.63	
	05/11/15	2.97	
	08/10/15	1.91	
	11/02/15	0.27	
	02/01/16	3.26	
	05/02/16	5.53	
	08/01/16	3.73	
	11/07/16	0.43	
	02/06/17	4.88	
	05/15/17	12.28	
	08/07/17	11.83	
	11/06/17	23.03	
	02/26/18	32.99	
MW-25	09/20/04	-10.23	
	10/19/04	-3.32	
	11/10/04	-0.96	
	12/06/04	1.80	
	03/14/05	12.85	
	06/20/05	17.58	
	07/13/05	19.66	
	09/19/05	16.00	
	09/21/05	15.07	
	12/17/05	27.32	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-25 (Cont'd)	12/19/05	28.39	
	03/20/06	35.17	
	06/19/06	36.36	
	09/25/06	28.01	
	10/05/06	25.01	
	12/12/06	28.74	
	03/12/07	31.61	
	06/18/07	24.51	
	09/24/07	5.47	
	12/10/07	-5.57	
	12/20/07	-8.70	
	03/17/08	-3.67	
	06/23/08	-5.30	
	09/22/08	-14.54	
	10/22/08	-15.79	
	12/15/08	-16.20	
	12/19/08	-16.15	
	02/25/09	-12.94	
	03/16/09	-10.79	
	03/18/09	-12.18	
	05/27/09	-7.81	
	06/22/09	-8.04	
	06/26/09	-8.36	
	08/31/09	-11.97	
	09/10/09	-12.02	
	12/07/09	-10.93	
	03/01/10	-3.95	
	06/07/10	2.34	
	09/07/10	-1.97	
	12/06/10	0.75	
	03/24/11	17.20	
	06/20/11	17.52	
	08/01/11	22.59	
	10/31/11	29.36	
	02/06/12	33.59	
	05/07/12	34.72	
	08/06/12	2.03	
	11/05/12	19.81	
	02/04/13	22.10	
	05/13/13	24.60	
	08/12/13	11.96	
	11/11/13	2.08	
	02/03/14	5.69	
	05/19/14	3.18	
	08/18/14	-7.06	
	11/04/14	-12.03	
	02/02/15	-0.64	
	05/11/15	3.82	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-25 (Cont'd)	08/10/15	0.55	
	11/02/15	-2.13	
	02/01/16	3.15	
	05/02/16	5.52	
	08/01/16	2.06	
	11/07/16	-3.08	
	02/06/17	5.95	
	05/15/17	14.24	
	08/07/17	11.64	
	11/06/17	28.09	
	02/26/18	33.79	
MW-26A	10/19/04	1.85	
	11/10/04	1.71	
	12/06/04	2.24	
	03/14/05	9.56	
	06/20/05	11.89	
	07/13/05	12.30	
	09/19/05	10.08	
	09/21/05	9.99	
	12/17/05	15.86	
	12/19/05	15.95	
	02/24/06	24.15	
	03/20/06	25.12	
	05/18/06	29.82	
	06/19/06	30.80	
	09/25/06	28.49	
	12/12/06	28.36	
	03/12/07	26.79	
	06/18/07	21.67	
	09/24/07	7.75	
	12/10/07	-1.27	
	12/20/07	-2.25	
	12/20/07	-2.22	
	01/21/08	-3.91	
	03/17/08	-4.79	
	04/21/08	-5.04	
	05/27/08	-5.87	
	06/23/08	-7.90	
	08/26/08	-10.71	
	09/22/08	-12.50	
	12/15/08	-16.14	
	03/16/09	-14.34	
	06/22/09	-10.63	
	08/31/09	-13.17	
	10/13/09	-13.40	
	10/30/09	-12.88	
	12/07/09	-11.16	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-26A	03/01/10	-8.64	
(Cont'd)	03/02/10	-8.49	
	03/22/10	-7.02	
	06/07/10	-2.24	
	09/07/10	-2.14	
	12/06/10	-3.13	
	03/24/11	6.16	
	06/20/11	10.36	
	08/01/11	11.95	
	10/31/11	14.39	
	02/06/12	19.08	
	05/07/12	24.22	
	08/06/12	22.62	
	11/05/12	16.45	
	02/04/13	17.25	
	05/13/13	20.02	
	08/12/13	11.92	
	11/11/13	3.99	
	02/03/14	6.89	
	05/19/14	6.02	
	08/18/14	-2.84	
	11/04/14	-8.54	
	02/02/15	-4.77	
	05/11/15	0.80	
	08/10/15	-1.87	
	11/02/15	-4.06	
	02/01/16	-0.79	
	05/02/16	0.98	
	08/01/16	-2.82	
	11/07/16	-5.74	
	02/06/17	0.49	
	05/15/17	7.10	
	08/07/17	4.97	
	11/06/17	10.84	
	02/26/18	23.47	
MW-26B	10/19/04	0.97	
	11/10/04	1.04	
	12/06/04	1.18	
	03/14/05	5.47	
	06/20/05	7.91	
	07/13/05	8.20	
	09/19/05	7.21	
	09/21/05	7.13	
	12/17/05	10.67	
	12/19/05	10.62	
	02/24/06	17.42	
	03/20/06	18.98	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-26B (Cont'd)	06/19/06	27.03	
	09/25/06	26.36	
	10/05/06	26.00	
	12/12/06	25.89	
	03/12/07	23.59	
	06/18/07	19.70	
	09/24/07	9.52	
	12/10/07	1.38	
	12/20/07	0.35	
	12/20/07	0.42	
	01/21/08	-2.01	
	03/17/08	-4.90	
	05/27/08	-7.91	
	06/23/08	-9.24	
	08/26/08	-13.23	
	09/22/08	-14.89	
	12/15/08	-18.59	
	12/19/08	-19.08	
	03/16/09	-18.48	
	03/18/09	-18.11	
	06/22/09	-15.75	
	08/31/09	-17.55	
	09/10/09	-17.55	
	10/13/09	-17.70	
	10/14/09	-17.75	
	10/30/09	-17.36	
	12/07/09	-16.12	
	02/10/10	-14.58	
	03/01/10	-13.99	
	03/02/10	-13.85	
	05/07/10	-8.32	
	06/07/10	-9.17	
	09/07/10	-7.52	
	12/06/10	-7.73	
	03/24/11	-1.62	
	06/20/11	2.60	
	08/01/11	4.22	
	08/05/11	4.50	
	10/31/11	7.16	
	02/06/12	11.42	
	05/07/12	16.88	
	08/06/12	18.44	
	11/05/12	14.37	
	02/04/13	13.63	
	05/13/13	15.32	
	08/12/13	10.30	
	11/11/13	4.05	
	02/03/14	4.05	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-26B	05/19/14	3.12	
(Cont'd)	08/18/14	-2.75	
	11/04/14	-7.96	
	02/02/15	-7.47	
	05/11/15	-4.06	
	08/10/15	-5.86	
	11/02/15	-6.44	
	02/01/16	-3.70	
	05/02/16	-3.20	
	08/01/16	-4.98	
	11/07/16	-7.52	
	02/06/17	-5.84	
	05/15/17	0.14	
	08/07/17	-1.33	
	11/06/17	5.00	
	02/26/18	16.80	
MW-26C	10/19/04	-4.53	
	11/10/04	-2.55	
	12/06/04	1.38	
	03/14/05	15.53	
	06/20/05	9.17	
	07/13/05	11.53	
	09/19/05	-0.07	
	09/21/05	-0.17	
	12/17/05	24.80	
	12/19/05	24.98	
	03/20/06	28.07	
	06/19/06	32.96	
	09/25/06	23.32	
	10/05/06	23.20	
	12/12/06	26.15	
	03/12/07	17.76	
	06/18/07	6.57	
	09/24/07	-15.91	
	12/10/07	-23.15	
	12/20/07	-23.60	
	01/21/08	-20.71	
	02/21/08	-18.24	
	03/17/08	-17.45	
	04/21/08	-17.93	
	05/27/08	-21.19	
	06/10/08	-22.64	
	06/23/08	-24.09	
	07/16/08	-27.46	
	08/26/08	-32.04	
	09/22/08	-33.83	
	10/22/08	-34.52	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-26C	12/15/08	-31.98	
(Cont'd)	12/19/08	-32.30	
	01/07/09	-26.16	
	03/16/09	-16.04	
	03/18/09	-15.38	
	04/29/09	-11.51	
	06/22/09	-15.41	
	06/26/09	-18.34	
	08/31/09	-21.62	
	09/10/09	-23.98	
	10/13/09	-19.42	
	10/14/09	-19.36	
	10/23/09	-17.67	
	10/30/09	-17.06	
	11/04/09	-16.71	
	12/07/09	-13.86	
	01/19/10	-12.62	
	02/10/10	-8.75	
	02/12/10	-8.46	
	03/01/10	-6.12	
	03/02/10	-5.96	
	06/07/10	-3.31	
	07/30/10	-6.98	
	09/07/10	-10.75	
	12/06/10	-8.56	
	03/01/11	8.89	
	03/24/11	6.91	
	03/25/11	7.46	
	06/20/11	12.19	
	06/23/11	11.30	
	08/01/11	9.83	
	08/05/11	9.30	
	10/31/11	11.88	
	11/01/11	11.85	
	02/06/12	19.99	
	03/09/12	22.14	
	05/07/12	26.62	
	05/09/12	26.48	
	08/06/12	12.28	
	11/05/12	2.81	
	02/04/13	10.96	
	05/13/13	10.64	
	08/12/13	-7.98	
	09/18/13	-13.10	
	11/11/13	-7.87	
	02/03/14	0.22	
	05/19/14	-6.83	
	08/18/14	-20.11	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-26C (Cont'd)	11/06/14	-22.79	
	02/02/15	-4.86	
	05/11/15	-3.72	
	08/10/15	-11.19	
	11/02/15	-9.97	
	02/01/16	-1.78	
	05/02/16	-5.27	
	08/01/16	-11.23	
	11/07/16	-13.32	
	02/06/17	3.56	
	05/15/17	6.99	
	08/07/17	0.03	
	11/06/17	23.20	
	02/26/18	26.32	
MW-27	05/27/08	-20.64	
	06/10/08	-22.06	
	06/23/08	-23.59	
	07/16/08	-26.87	
	08/26/08	-31.49	
	09/22/08	-33.36	
	10/22/08	-34.03	
	12/15/08	-31.76	
	12/19/08	-31.89	
	01/07/09	-25.90	
	03/16/09	-16.08	
	03/18/09	-15.33	
	04/29/09	-11.43	
	06/22/09	-15.26	
	06/24/09	-16.92	
	08/31/09	-21.49	
	09/10/09	-23.65	
	10/13/09	-19.27	
	10/14/09	-19.19	
	10/23/09	-17.57	
	10/30/09	-16.94	
	11/04/09	-16.61	
	12/07/09	-13.82	
	01/19/10	-12.44	
	03/01/10	-6.09	
	03/02/10	-5.89	
	06/07/10	-2.58	
	07/30/10	-6.57	
	09/07/10	-10.59	
	12/06/10	-8.23	
	03/01/11	9.51	
	03/24/11	7.59	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-27	06/20/11	12.80	
(Cont'd)	08/01/11	10.52	
	08/05/11	10.08	
	10/31/11	12.73	
	02/06/12	20.81	
	05/07/12	27.13	
	08/06/12	12.98	
	11/05/12	2.41	
	02/04/13	11.62	
	05/13/13	11.17	
	07/18/13	-2.56	
	07/19/13	-2.05	
	08/12/13	-7.36	
	11/11/13	-7.36	
	02/03/14	0.44	
	05/19/14	-6.55	
	08/18/14	-19.86	
	11/04/14	-21.93	
	02/02/15	-4.28	
	05/11/15	-3.01	
	08/10/15	-11.50	
	11/02/15	-9.57	
	02/01/16	-1.34	
	05/02/16	-4.64	
	08/01/16	-10.55	
	11/07/16	-12.77	
	02/06/17	4.03	
	05/15/17	7.25	
	08/07/17	0.76	
	11/06/17	23.75	
	02/26/18	26.79	
MW-28	05/16/08	-19.64	
	05/27/08	-20.92	
	06/10/08	-22.31	
	06/23/08	-23.78	
	07/16/08	-27.11	
	08/26/08	-33.69	
	09/22/08	-33.68	
	10/22/08	-34.34	
	12/15/08	-32.10	
	12/19/08	-32.20	
	01/07/09	-26.05	
	03/16/09	-16.48	
	03/18/09	-15.68	
	04/29/09	-11.72	
	06/22/09	-15.68	
	06/24/09	-16.97	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-28	08/31/09	-21.91	
(Cont'd)	09/10/09	-23.77	
	10/13/09	-19.58	
	10/14/09	-19.55	
	10/23/09	-17.80	
	10/30/09	-17.25	
	11/04/09	-16.84	
	12/07/09	-13.97	
	01/19/10	-12.86	
	03/01/10	-6.52	
	03/04/10	-6.01	
	03/04/10	-6.03	
	06/07/10	-3.21	
	07/30/10	-6.66	
	09/07/10	-10.90	
	12/06/10	-9.19	
	03/01/11	8.29	
	03/24/11	6.82	
	06/20/11	11.67	
	08/01/11	9.75	
	08/05/11	9.40	
	10/31/11	11.70	
	02/06/12	19.79	
	05/07/12	26.32	
	08/06/12	12.70	
	11/05/12	2.51	
	02/04/13	10.60	
	05/13/13	11.13	
	08/12/13	-7.62	
	11/11/13	-8.51	
	02/03/14	-0.08	
	05/19/14	-6.23	
	08/18/14	-19.96	
	11/04/14	-22.74	
	02/02/15	-5.79	
	05/11/15	-3.69	
	08/10/15	-12.19	
	11/02/15	-10.48	
	02/01/16	-2.23	
	05/02/16	-5.23	
	08/01/16	-11.48	
	11/07/16	-13.59	
	02/06/17	2.70	
	05/15/17	6.92	
	08/07/17	-0.22	
	11/06/17	22.17	
	02/26/18	26.57	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
MW-29	08/15/08	-32.69	
	08/19/08	-32.23	
	08/26/08	-33.00	
	09/22/08	-35.10	
	10/22/08	-35.92	
	12/15/08	-33.92	
	01/07/09	-27.66	
	03/16/09	-17.66	
	03/18/09	-16.88	
	04/29/09	-12.57	
	06/22/09	-16.63	
	06/24/09	-17.65	
	08/31/09	-23.08	
	09/10/09	-24.67	
	10/13/09	-20.42	
	10/14/09	-20.44	
	10/23/09	-18.73	
	10/30/09	-18.25	
	11/04/09	-17.71	
	12/07/09	-14.58	
	01/19/10	-13.98	
	03/01/10	-7.50	
	03/04/10	-7.02	
	06/07/10	-4.11	
	07/30/10	-7.44	
	09/07/10	-11.96	
	12/06/10	-10.78	
	03/01/11	6.91	
	03/24/11	5.48	
	03/30/11	6.53	
	06/20/11	10.47	
	08/01/11	8.11	
	08/05/11	7.73	
	10/31/11	9.69	
	02/06/12	18.22	
	05/07/12	25.22	
	08/06/12	11.72	
	11/05/12	1.02	
	02/04/13	8.86	
	05/13/13	10.02	
	08/12/13	-9.27	
	11/11/13	-10.11	
	02/03/14	-1.12	
	05/19/14	-7.04	
	08/18/14	-21.14	
	11/03/14	-53.81	
	11/04/14	-56.09	
	12/18/14	-45.97	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-29 (Cont'd)	01/19/15	-49.37	
	02/02/15	-44.91	
	03/06/15	-35.59	
	04/02/15	-22.01	
	05/11/15	-38.32	
	06/05/15	-42.03	
	07/14/15	-54.21	
	08/10/15	-58.48	
	09/03/15	-40.89	
	10/06/15	-32.62	
	11/02/15	-36.19	
	12/03/15	-9.61	Pilot GETS
	01/07/16	-39.77	Pilot GETS
	02/01/16	-38.86	Pilot GETS
	03/03/16	-39.69	Pilot GETS
	04/05/16	-38.05	Pilot GETS
	05/02/16	-43.01	Pilot GETS
	06/01/16	-47.79	Pilot GETS
	06/16/16	-51.11	Pilot GETS
	07/07/16	-52.43	Pilot GETS
	07/21/16	-52.14	Pilot GETS
	08/01/16	-53.67	Pilot GETS
	08/18/16	-54.32	Pilot GETS
	09/08/16	-55.80	Pilot GETS
	09/15/16	-56.61	Pilot GETS
	10/06/16	-58.95	Pilot GETS
	10/20/16	-62.50	Pilot GETS
	11/01/16	-62.09	Pilot GETS
	11/07/16	-61.89	Pilot GETS
	12/01/16	-53.06	Pilot GETS
	12/15/16	-52.69	Pilot GETS
	01/06/17	-53.47	Pilot GETS
	01/26/17	-47.14	Pilot GETS
	02/06/17	-40.19	Pilot GETS
	02/16/17	-44.23	Pilot GETS
	03/02/17	-49.10	Pilot GETS
	03/16/17	-56.76	Pilot GETS
	04/06/17	-34.43	Pilot GETS
	04/20/17	-35.95	Pilot GETS
	05/17/17	5.47	Pilot GETS
	06/15/17	-37.70	Pilot GETS
	07/06/17	-36.78	Pilot GETS
	07/20/17	-44.40	Pilot GETS
	08/03/17	-47.71	Pilot GETS
	08/07/17	-43.70	Pilot GETS
	08/17/17	-0.73	Pilot GETS
	09/01/17	-44.60	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-29	09/14/17	-46.10	Pilot GETS
(Cont'd)	10/19/17	-31.71	Pilot GETS
	11/06/17	-15.24	Pilot GETS
	11/20/17	-10.25	Pilot GETS
	12/04/17	-9.81	Pilot GETS
	12/14/17	-34.16	Pilot GETS
	01/04/18	-8.19	Pilot GETS
	01/18/18	-5.34	Pilot GETS
	02/15/18	-5.65	Pilot GETS
	02/26/18	-7.97	Pilot GETS
MW-30A	12/04/08	-34.71	
	12/05/08	-34.85	
	12/15/08	-33.33	
	12/19/08	-33.58	
	01/07/09	-27.21	
	03/16/09	-16.24	
	03/18/09	-15.49	
	04/29/09	-11.85	
	06/22/09	-15.88	
	06/24/09	-18.60	
	08/31/09	-22.01	
	09/10/09	-25.39	
	10/13/09	-19.80	
	10/14/09	-19.78	
	10/23/09	-18.05	
	10/30/09	-17.43	
	11/04/09	-17.12	
	12/07/09	-14.16	
	01/19/10	-13.08	
	03/01/10	-6.51	
	03/03/10	-6.25	
	03/03/10	-6.21	
	06/07/10	-4.00	
	07/30/10	-7.67	
	09/07/10	-11.46	
	12/06/10	-9.19	
	03/01/11	8.47	
	03/15/11	6.34	
	03/24/11	5.80	
	06/20/11	11.45	
	08/01/11	8.37	
	08/05/11	7.86	
	10/31/11	10.25	
	02/06/12	18.74	
	05/07/12	25.85	
	08/06/12	10.40	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-30A	11/05/12	1.67	
(Cont'd)	01/03/13	9.73	
	02/04/13	9.95	
	05/13/13	7.77	
	08/12/13	-9.94	
	11/11/13	-8.30	
	02/03/14	-0.52	
	05/19/14	-8.61	
	08/18/14	-21.82	
	11/04/14	-23.39	
	02/02/15	-5.29	
	05/11/15	-4.89	
	08/10/15	-13.53	
	11/02/15	-10.98	
	02/01/16	-2.49	
	05/02/16	-6.91	
	08/01/16	-12.76	
	11/07/16	-14.66	
	02/06/17	2.93	
	05/15/17	5.38	
	08/07/17	-1.51	
	11/06/17	22.52	
	02/26/18	24.56	
MW-30B	12/04/08	-31.43	
	12/05/08	-32.10	
	12/15/08	-30.88	
	01/07/09	-25.43	
	03/16/09	-15.21	
	03/18/09	-14.57	
	04/29/09	-11.64	
	06/22/09	-14.63	
	06/24/09	-18.46	
	08/31/09	-20.00	
	09/10/09	-24.67	
	10/13/09	-18.53	
	10/14/09	-18.54	
	10/23/09	-16.78	
	10/30/09	-16.03	
	11/04/09	-15.86	
	12/07/09	-13.00	
	01/19/10	-11.25	
	03/01/10	-5.21	
	06/07/10	-1.53	
	09/07/10	-7.00	
	12/06/10	-4.60	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-30B	03/15/11	7.39	
(Cont'd)	03/24/11	7.42	
	06/20/11	13.99	
	08/01/11	11.10	
	08/05/11	10.26	
	10/31/11	13.32	
	01/20/12	19.82	
	02/06/12	20.11	
	05/07/12	27.67	
	08/06/12	13.59	
	11/05/12	7.01	
	01/03/13	13.65	
	01/09/13	12.58	
	02/04/13	13.68	
	05/13/13	11.29	
	08/12/13	-4.73	
	11/11/13	-2.64	
	02/03/14	2.72	
	05/19/14	-6.69	
	08/18/14	-18.07	
	11/04/14	-18.53	
	02/02/15	-1.84	
	05/11/15	-2.82	
	08/10/15	-9.49	
	11/02/15	-7.13	
	02/01/16	0.27	
	05/02/16	-4.29	
	08/01/16	-8.81	
	11/07/16	-11.21	
	02/06/17	4.94	
	05/15/17	4.79	
	08/07/17	1.54	
	11/06/17	23.74	
	02/26/18	25.00	
MW-31	10/13/09	-17.2	
	10/14/09	-17.1	
	10/23/09	-17.35	
	10/30/09	-16.66	
	11/02/09	-16.58	
	12/07/09	-13.85	
	01/19/10	-12.28	
	02/12/10	-7.91	
	03/01/10	-5.39	
	03/03/10	-5.44	
	06/07/10	-3.02	
	07/30/10	-7.09	
	09/07/10	-9.82	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-31	12/06/10	-5.85	
(Cont'd)	03/01/11	10.80	
	03/24/11	7.04	
	06/20/11	13.58	
	08/01/11	9.32	
	08/05/11	8.28	
	10/31/11	11.76	
	02/06/12	19.94	
	05/07/12	27.39	
	08/06/12	9.88	
	11/05/12	3.22	
	02/04/13	12.02	
	05/13/13	7.99	
	07/18/13	-5.85	
	07/19/13	-3.11	
	08/12/13	-9.89	
	09/18/13	-14.22	
	11/11/13	-5.25	
	02/03/14	1.29	
	05/19/14	-10.73	
	08/18/14	-22.75	
	11/04/14	-21.35	
	02/02/15	-1.72	
	05/11/15	-4.37	
	08/10/15	-12.22	
	11/02/15	-8.72	
	02/01/16	-0.64	
	05/02/16	-6.40	
	08/01/16	-11.25	
	11/07/16	-13.40	
	02/06/17	5.76	
	05/15/17	4.82	
	08/07/17	-0.01	
	11/06/17	25.60	
	02/26/18	24.35	
MW-32A	01/04/10	-17.32	
	01/19/10	-14.46	
	02/10/10	-9.02	
	02/12/10	-9.15	
	03/01/10	-6.36	
	03/04/10	-6.40	
	06/07/10	-4.13	
	09/07/10	-11.14	
	12/06/10	-7.20	
	03/24/11	4.91	
	06/20/11	12.69	
	08/01/11	5.32	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-32A	08/03/11	3.19	
(Cont'd)	10/14/11	8.18	
	10/31/11	7.71	
	02/06/12	17.48	
	05/07/12	26.31	
	08/06/12	4.56	
	11/05/12	-1.00	
	02/04/13	9.64	
	05/13/13	3.19	
	08/12/13	-15.55	
	11/11/13	-6.02	
	12/10/13	-0.15	
	02/03/14	0.20	
	05/19/14	-15.84	
	08/18/14	-27.67	
	11/04/14	-23.83	
	02/02/15	-1.99	
	05/11/15	-6.78	
	08/10/15	-15.54	
	11/02/15	-9.53	
	02/01/16	-0.94	
	05/02/16	-10.24	
	08/01/16	-15.09	
	11/07/16	-16.86	
	02/06/17	5.38	
	05/15/17	1.17	
	08/07/17	-3.62	
	11/06/17	24.84	
	02/26/18	20.59	
MW-32B	01/04/10	-16.40	
	01/19/10	-13.51	
	02/10/10	-8.86	
	02/12/10	-8.79	
	03/01/10	-6.29	
	03/05/10	-6.33	
	05/07/10	-1.32	
	06/07/10	-3.82	
	07/30/10	-8.02	
	09/07/10	-10.56	
	12/06/10	-6.86	
	03/01/11	10.02	
	03/24/11	5.22	
	06/20/11	12.55	
	08/01/11	6.54	
	08/03/11	4.17	
	10/14/11	8.94	
	10/31/11	8.88	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-32B	02/06/12	18.05	
(Cont'd)	05/07/12	26.35	
	08/06/12	6.71	
	11/05/12	0.69	
	01/03/13	11.25	
	02/04/13	10.13	
	05/13/13	4.98	
	08/12/13	-13.31	
	11/11/13	-5.73	
	12/10/13	-0.16	
	02/03/14	0.34	
	05/19/14	-14.07	
	08/18/14	-25.82	
	11/04/14	-23.14	
	02/02/15	-3.07	
	05/11/15	-6.56	
	08/10/15	-14.69	
	11/02/15	-9.50	
	02/01/16	-1.13	
	05/02/16	-9.84	
	08/01/16	-14.31	
	11/07/16	-16.26	
	02/06/17	4.95	
	05/15/17	1.81	
	08/07/17	-3.01	
	11/06/17	24.19	
	02/26/18	21.48	
MW-32C	01/05/10	-10.05	
	01/19/10	-9.15	
	02/10/10	-7.22	
	02/12/10	-7.15	
	03/01/10	-5.77	
	03/05/10	-5.27	
	06/07/10	-0.31	
	09/07/10	-4.01	
	12/06/10	-1.13	
	03/24/11	11.61	
	06/20/11	15.56	
	08/01/11	18.48	
	08/03/11	-108.67	
	10/14/11	25.29	
	10/31/11	24.23	
	02/06/12	29.17	
	05/07/12	31.70	
	08/06/12	22.93	
	11/05/12	15.37	
	01/03/13	18.83	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-32C (Cont'd)	02/04/13	20.60	
	05/13/13	20.40	
	08/12/13	8.32	
	11/11/13	1.77	
	12/10/13	3.78	
	02/03/14	4.90	
	05/19/14	1.36	
	08/18/14	-8.72	
	11/04/14	-12.22	
	02/02/15	-1.86	
	05/11/15	1.61	
	08/10/15	-1.39	
	11/02/15	-3.15	
	02/01/16	2.03	
	05/02/16	3.16	
	08/01/16	0.38	
	11/07/16	0.53	
	02/06/17	5.10	
	05/15/17	11.23	
	08/07/17	9.22	
	11/06/17	24.94	
	02/26/18	31.96	
MW-33	03/01/10	9.59	
	03/15/10	-2.02	
	07/16/10	-6.61	
	07/30/10	-9.13	
	09/07/10	-11.67	
	12/06/10	-7.69	
	03/01/11	9.59	
	03/15/11	-2.02	
	03/24/11	3.16	
	06/20/11	11.69	
	08/01/11	0.63	
	08/04/11	-2.69	
	10/14/11	2.37	
	10/31/11	5.27	
	02/06/12	15.06	
	05/07/12	25.41	
	08/06/12	-0.12	
	11/05/12	-4.32	
	12/10/12	6.32	
	01/04/13	8.17	
	02/04/13	4.78	
	05/13/13	-1.87	
	08/12/13	-20.51	
	11/11/13	-6.48	
	12/10/13	-0.52	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-33	02/03/14	-0.28	
(Cont'd)	05/19/14	-20.49	
	08/18/14	-32.11	
	11/04/14	-24.71	
	02/02/15	-2.62	
	05/11/15	-8.54	
	08/10/15	-19.97	
	11/03/15	-10.03	
	02/01/16	-1.59	
	05/02/16	-14.94	
	08/01/16	-19.71	
	11/07/16	-20.36	
	02/06/17	4.56	
	05/15/17	-3.47	
	08/07/17	-7.71	
	11/06/17	23.37	
	02/26/18	16.45	
MW-34A	02/25/11	10.47	
	03/10/11	10.99	
	03/15/11	9.64	
	03/24/11	8.57	
	06/20/11	12.99	
	08/01/11	9.62	
	08/04/11	8.92	
	10/14/11	12.48	
	10/31/11	11.30	
	02/06/12	19.12	
	05/07/12	27.03	
	06/26/12	22.88	
	08/06/12	13.86	
	11/05/12	7.25	
	02/04/13	14.30	
	05/13/13	13.58	
	08/12/13	-2.89	
	09/18/13	-7.32	
	11/11/13	-2.35	
	12/10/13	3.20	
	02/03/14	6.45	
	05/19/14	-6.57	
	08/18/14	-17.90	
	11/04/14	-19.18	
	02/02/15	-1.97	
	05/11/15	-2.26	
	08/10/15	-9.98	
	11/02/15	-6.97	
	02/01/16	1.44	
	05/02/16	-5.46	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-34A	08/01/16	-12.24	
(Cont'd)	11/07/16	-12.26	
	02/06/17	4.23	
	05/15/17	4.63	
	08/07/17	-2.43	
	11/06/17	18.23	
	02/26/18	21.92	
MW-34B	02/25/11	6.22	
	03/01/11	6.79	
	03/10/11	6.31	
	03/15/11	5.20	
	03/24/11	4.27	
	06/20/11	10.30	
	06/21/11	9.96	
	08/01/11	5.91	
	08/04/11	4.84	
	09/30/11	6.99	
	10/14/11	8.56	
	10/31/11	6.92	
	02/06/12	16.19	
	05/07/12	25.22	
	06/26/12	20.38	
	08/06/12	9.03	
	11/05/12	-0.56	
	12/10/12	4.03	
	01/03/13	7.42	
	02/04/13	7.50	
	05/13/13	7.66	
	08/12/13	-11.70	
	09/18/13	-16.73	
	11/11/13	-9.94	
	12/10/13	-3.71	
	02/03/14	-0.37	
	05/19/14	-10.33	
	08/18/14	-24.40	
	11/04/14	-25.68	
	02/02/15	-7.88	
	05/11/15	-6.03	
	08/10/15	-15.17	
	11/02/15	-12.02	
	02/01/16	-3.17	
	05/02/16	-8.89	
	08/01/16	-15.57	
	11/07/16	-16.74	
	02/06/17	0.75	
	05/15/17	2.80	
	08/07/17	-2.64	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-34B	11/06/17	19.95	
(Cont'd)	02/26/18	22.36	
MW-34C	02/25/11	7.89	
	03/10/11	4.95	
	03/15/11	3.54	
	03/24/11	4.21	
	03/29/11	7.78	
	06/20/11	11.61	
	06/21/11	9.24	
	08/01/11	6.93	
	08/04/11	4.79	
	10/14/11	9.23	
	10/31/11	8.77	
	02/06/12	17.21	
	05/07/12	25.19	
	06/26/12	21.22	
	08/06/12	8.83	
	11/05/12	2.84	
	12/10/12	9.18	
	01/03/13	10.11	
	02/04/13	10.28	
	05/13/13	6.65	
	08/12/13	-9.66	
	09/18/13	-13.78	
	11/11/13	-4.74	
	12/10/13	0.08	
	02/03/14	0.91	
	05/19/14	-11.16	
	08/18/14	-22.48	
	11/04/14	-21.14	
	02/02/15	-3.61	
	05/11/15	-5.48	
	08/10/15	-13.05	
	11/02/15	-9.03	
	02/01/16	-1.56	
	05/02/16	-8.21	
	08/01/16	-12.91	
	11/07/16	-14.89	
	02/06/17	3.17	
	05/15/17	1.94	
	08/07/17	-2.33	
	11/06/17	21.54	
	02/26/18	21.24	
MW-35A	01/19/11	15.88	
	02/03/11	16.06	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-35A	03/24/11	17.56	
(Cont'd)	05/26/11	19.32	
	06/20/11	21.83	
	08/01/11	18.28	
	08/04/11	17.13	
	10/31/11	22.02	
	02/06/12	29.11	
	05/07/12	33.46	
	06/26/12	29.54	
	08/06/12	20.75	
	11/05/12	17.52	
	02/04/13	25.09	
	05/13/13	20.11	
	08/12/13	7.52	
	11/11/13	9.46	
	12/10/13	13.37	
	02/03/14	14.46	
	05/19/14	3.12	
	08/18/14	-5.03	
	11/04/14	-3.80	
	02/02/15	10.14	
	05/11/15	6.00	
	08/10/15	0.49	
	11/02/15	4.88	
	02/01/16	12.00	
	05/02/16	2.21	
	08/01/16	-1.98	
	11/07/16	-2.23	
	02/06/17	14.75	
	05/15/17	10.17	
	08/07/17	6.67	
	11/06/17	27.95	
	02/26/18	26.10	
MW-35B	01/19/11	9.06	
	02/03/11	8.97	
	03/24/11	10.61	
	06/20/11	14.74	
	06/22/11	14.76	
	08/01/11	10.78	
	08/04/11	9.51	
	10/31/11	13.89	
	02/06/12	21.50	
	05/07/12	27.89	
	06/26/12	23.20	
	08/06/12	12.88	
	11/05/12	8.54	
	02/04/13	15.86	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-35B	05/13/13	12.31	
(Cont'd)	08/12/13	-3.61	
	09/18/13	-7.81	
	11/11/13	-0.65	
	12/10/13	5.64	
	02/03/14	6.98	
	05/19/14	-7.04	
	08/18/14	-17.74	
	11/04/14	-16.76	
	02/02/15	1.45	
	05/11/15	-2.23	
	08/10/15	-9.51	
	11/02/15	-5.71	
	02/01/16	2.71	
	05/02/16	-4.91	
	08/01/16	-10.49	
	11/07/16	-11.99	
	02/06/17	7.81	
	05/15/17	4.91	
	08/07/17	-0.14	
	11/06/17	22.04	
	02/26/18	22.59	
MW-35C	01/19/11	4.76	
	02/03/11	4.93	
	03/01/11	11.01	
	03/24/11	6.17	
	06/20/11	13.08	
	08/01/11	7.17	
	08/04/11	4.83	
	10/31/11	10.11	
	02/06/12	19.13	
	05/07/12	26.71	
	06/26/12	20.71	
	08/06/12	5.24	
	11/05/12	0.84	
	02/04/13	9.99	
	05/13/13	4.08	
	08/12/13	-14.29	
	09/18/13	-18.12	
	11/11/13	-5.80	
	12/10/13	0.12	
	02/03/14	-0.13	
	05/19/14	-14.99	
	08/18/14	-26.52	
	11/04/14	-22.78	
	02/02/15	-0.89	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-35C	05/11/15	-6.03	
Cont'd	08/10/15	-14.68	
	11/02/15	-9.37	
	02/01/16	-1.03	
	05/02/16	-8.88	
	08/01/16	-13.65	
	11/07/16	-15.65	
	02/06/17	6.19	
	05/15/17	2.17	
	08/07/17	-2.00	
	11/06/17	26.11	
	02/26/18	21.94	
MW-36	01/13/12	10.05	
	01/26/12	10.10	
	02/06/12	10.03	
	05/07/12	24.66	
	08/06/12	-1.44	
	11/05/12	-6.68	
	01/04/13	5.00	
	02/04/13	2.11	
	05/13/13	-3.23	
	08/12/13	-22.00	
	11/11/13	-7.03	
	02/03/14	-0.20	
	05/19/14	-21.11	
	08/18/14	-33.35	
	11/04/14	-25.53	
	02/02/15	-4.08	
	05/11/15	-10.23	
	08/10/15	-20.96	
	11/02/15	-10.85	
	02/01/16	-2.06	
	05/02/16	-16.49	
	08/01/16	-21.73	
	11/07/16	-22.08	
	02/06/17	3.10	
	05/17/17	-5.70	
	08/07/17	-10.23	
	11/06/17	21.55	
	02/26/18	14.40	
MW-37	10/26/12	10.98	
	11/05/12	13.53	
	12/10/12	15.48	
	01/03/13	18.39	
	02/04/13	19.42	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-37	05/13/13	18.80	
Cont'd	08/12/13	6.19	
	09/18/13	1.01	
	11/12/13	-1.38	
	02/03/14	2.38	
	05/19/14	-1.46	
	08/18/14	-12.05	
	11/04/14	-15.61	
	02/02/15	-3.83	
	05/11/15	0.95	
	08/10/15	-2.80	
	11/02/15	-4.91	
	02/01/16	-0.25	
	05/02/16	1.70	
	08/01/16	-1.64	
	11/07/16	-6.46	
	02/06/17	2.88	
	05/15/17	10.13	
	08/07/17	7.42	
	11/06/17	24.46	
	03/02/18	30.78	
MW-38	08/07/13	-1.90	
	08/12/13	-2.60	
	09/18/13	-7.65	
	11/12/13	-5.96	
	02/03/14	4.40	
	05/19/14	-4.21	
	08/18/14	-18.62	
	11/04/14	-21.69	
	02/02/15	-7.21	
	05/11/15	-2.25	
	08/10/15	-11.21	
	11/02/15	-10.45	
	02/01/16	-1.90	
	05/02/16	-6.45	
	08/01/16	-14.65	
	11/07/16	-14.79	
	02/06/17	-2.04	
	05/15/17	3.39	
	08/07/17	-5.20	
	11/06/17	11.05	
	03/02/18	17.05	
MW-39	08/08/13	-21.88	
	08/12/13	-22.47	
	11/11/13	-6.65	
	02/03/14	-0.45	
	05/19/14	-22.22	
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-39	08/18/14	-33.84	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Cont'd	11/04/14	-25.36	
	02/02/15	-3.37	
	05/11/15	-10.85	
	08/10/15	-20.69	
	11/02/15	-10.75	
	02/01/16	-2.10	
	05/02/16	-17.14	
	08/01/16	-21.95	
	11/07/16	-22.60	
	02/06/17	3.30	
	05/17/17	-6.50	
	08/07/17	-10.65	
	11/06/17	21.32	
	02/26/18	13.66	
MW-40	07/19/13	-0.97	
	08/12/13	-6.48	
	11/11/13	-3.82	
	02/03/14	2.40	
	05/19/14	-7.86	
	08/18/14	-19.69	
	11/04/14	-19.25	
	02/02/15	0.30	
	05/11/15	-1.65	
	08/10/15	-9.33	
	11/02/15	-6.99	
	02/01/16	1.18	
	05/02/16	-2.97	
	08/01/16	-7.75	
	11/07/16	-10.35	
	02/06/17	7.84	
	05/15/17	7.92	
	08/07/17	3.40	
	11/06/17	28.04	
	02/26/18	27.64	
MW-41	08/19/14	-30.15	
	09/10/14	-30.05	
	09/24/14	-30.45	
	11/04/14	-26.54	
	02/02/15	-7.52	
	05/11/15	-6.60	
	08/10/15	-15.68	
	11/02/15	-11.64	
	02/01/16	-2.69	
	05/02/16	-10.75	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
	08/01/16	-17.28	
	11/07/16	-18.05	
Regional Groundwater System Monitor and Extraction Wells (continued)			
MW-41	02/06/17	0.85	
Cont'd	05/15/17	0.35	
	08/07/17	-6.75	
	11/06/17	19.19	
	03/02/18	18.40	
EW-01	06/20/05	9.76	
	09/19/05	2.02	
	09/21/05	1.77	
	12/17/05	23.59	
	12/19/05	23.95	
	02/24/06	33.74	
	03/20/06	29.89	
	05/18/06	36.67	
	06/19/06	34.04	
	09/25/06	24.05	
	12/11/06	26.4	
	03/12/07	19.6	
	06/18/07	9.2	
	09/24/07	-14.9	
	12/10/07	-22.0	
	12/20/07	-22.3	
	01/21/08	-19.9	
	01/21/08	-22.1	
	03/17/08	-16.7	
	05/27/08	-18.97	
	06/10/08	-20.35	
	06/23/08	-21.76	Pilot GETS
	07/09/08	-24.80	
	07/11/08	-24.52	
	07/14/08	-24.64	Pilot GETS
	07/15/08	-26.57	Pilot GETS
	07/30/08	-27.38	Pilot GETS
	08/14/08	< -31.58	Pilot GETS
	08/25/08	-30.82	Pilot GETS
	09/22/08	< -31.58	Pilot GETS
	10/22/08	< -31.58	
	12/15/08	-30.86	
	12/19/08	-30.67	
	01/07/09	-24.79	Pilot GETS
	02/25/09	-21.10	Pilot GETS
	03/16/09	-16.77	Pilot GETS
	03/18/09	-17.62	
	04/29/09	-11.24	
	04/29/09	-11.78	Pilot GETS
	05/27/09	-14.03	Pilot GETS
	06/22/09	-15.81	Pilot GETS
	06/26/09	-16.91	Pilot GETS
	06/29/09	-17.61	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
EW-01	07/22/09	-22.99	Pilot GETS
(Cont'd)	08/14/09	-27.14	Pilot GETS
	08/31/09	-21.98	Pilot GETS
	09/10/09	-23.25	Pilot GETS
	09/11/09	-23.16	Pilot GETS
	10/08/09	< -31.58	Pilot GETS
	10/23/09	-17.18	
	10/30/09	-16.68	
	11/04/09	-16.16	
	12/07/09	-13.49	
	12/09/09	-14.21	
	01/19/10	-12.22	
	02/10/10	-1.42	
	03/01/10	-6.00	
	03/05/10	-5.56	
	03/09/10	-1.43	
	06/07/10	-1.36	
	09/07/10	-9.02	
	12/06/10	-7.59	
	03/01/11	9.39	
	03/24/11	8.99	
	06/20/11	13.17	
	08/01/11	12.13	
	08/05/11	11.80	
	10/14/11	15.59	
	10/31/11	14.33	
	01/05/12	19.83	
	02/06/12	21.71	
	05/07/12	28.03	
	06/26/12	23.73	
	08/06/12	15.62	
	11/05/12	4.76	
	02/04/13	12.65	
	05/13/13	14.10	
	07/18/13	-0.59	
	07/19/13	-0.32	
	08/12/13	-4.71	
	09/18/13	-9.95	
	11/11/13	-6.90	
	02/03/14	1.64	
	05/19/14	-4.35	
	08/18/14	-18.33	
	11/04/14	-20.65	
	02/02/15	-4.33	
	05/11/15	-1.54	
	08/10/15	-9.84	
	11/02/15	-8.93	
	02/01/16	-0.50	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
EW-01 (Cont'd)	05/02/16	-2.91	
	08/01/16	-9.10	
	11/07/16	-11.23	
	02/06/17	3.83	
	05/15/17	8.58	
	08/07/17	1.97	
	11/06/17	23.26	
	02/26/18	29.21	
EW-02	10/23/09	-0.3	
	10/30/09	-19.2	
	10/31/09	-18.3	
	11/04/09	-17.0	
	12/07/09	--	
	02/10/10	-9.52	
	03/01/10	-6.92	Pre-Startup
	03/22/10	-3.76	Pilot GETS
	03/22/10	-10.6	Pilot GETS
	03/23/10	-10.28	Pilot GETS
	03/24/10	-11.45	Pilot GETS
	03/25/10	-11.63	
	03/26/10	-12.02	
	04/01/10	-10.88	
	04/09/10	-10.43	
	04/13/10	-9.66	
	04/23/10	-10.18	
	05/25/10	-9.53	Pilot GETS
	06/07/10	-10.37	Pilot GETS
	06/10/10	-10.45	Pilot GETS
	07/08/10	-11.79	Pilot GETS
	07/30/10	-12.53	Pilot GETS
	08/02/10	-13.98	Pilot GETS
	09/02/10	-17.85	Pilot GETS
	09/07/10	-17.49	Pilot GETS
	10/07/10	-20.52	Pilot GETS
	11/11/10	-20.66	
	12/06/10	-15.13	
	12/07/10	-16.08	Pilot GETS
	12/07/10	-15.65	Pilot GETS
	01/13/11	-5.55	
	01/13/11	-5.77	Pilot GETS
	02/03/11	-3.64	Pilot GETS
	03/02/11	2.27	Pilot GETS
	03/24/11	-0.26	Pilot GETS
	04/01/11	0.23	Pilot GETS
	05/04/11	-1.45	Pilot GETS
	06/07/11	3.33	Pilot GETS
	06/20/11	4.85	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
EW-02	07/02/11	5.24	Pilot GETS
(Cond't)	08/01/11	2.56	Pilot GETS
	08/05/11	2.14	Pilot GETS
	09/09/11	1.84	
	09/30/11	4.36	Pilot GETS
	10/17/11	5.30	Pilot GETS
	10/31/11	4.14	Pilot GETS
	11/01/11	4.21	Pilot GETS
	12/07/11	10.97	Pilot GETS
	12/08/11	9.46	Pilot GETS
	01/06/12	13.37	Pilot GETS
	01/10/12	12.25	Pilot GETS
	02/06/12	14.02	Pilot GETS
	02/08/12	13.75	Pilot GETS
	03/09/12	19.72	Pilot GETS
	04/02/12	16.78	Pilot GETS
	04/16/12	18.40	Pilot GETS
	05/01/12	19.32	Pilot GETS
	05/07/12	19.42	
	06/07/12	14.32	Pilot GETS
	06/08/12	14.18	Pilot GETS
	06/26/12	14.65	Pilot GETS
	07/11/12	11.18	Pilot GETS
	08/03/12	5.81	Pilot GETS
	08/06/12	5.55	Pilot GETS
	09/06/12	0.18	Pilot GETS
	10/15/12	-23.48	Pilot GETS
	11/05/12	-4.53	Pilot GETS
	12/10/12	-0.52	Pilot GETS
	02/04/13	3.44	Pilot GETS
	03/09/13	4.98	Pilot GETS
	04/15/13	11.36	Pilot GETS
	05/13/13	3.76	Pilot GETS
	06/13/13	-3.70	Pilot GETS
	07/02/13	-6.43	Pilot GETS
	08/12/13	-14.60	Pilot GETS
	09/03/13	-17.18	Pilot GETS
	10/05/13	-20.63	Pilot GETS
	11/11/13	-15.60	Pilot GETS
	12/11/13	-9.72	Pilot GETS
	01/17/14	-7.00	Pilot GETS
	02/03/14	-7.15	Pilot GETS
	02/11/14	-6.61	Pilot GETS
	03/04/14	-4.50	Pilot GETS
	05/21/14	-7.63	Pilot GETS
	08/18/14	-20.87	Pilot GETS
	11/03/14	-28.59	Pilot GETS
	11/04/14	-29.13	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
EW-02	12/18/14	-17.58	Pilot GETS
(Cond't)	01/19/15	-17.04	Pilot GETS
	02/02/15	-20.87	Pilot GETS
	03/06/15	-6.41	
	04/02/15	-6.35	
	05/11/15	-10.07	Pilot GETS
	06/05/15	-12.71	Pilot GETS
	07/14/15	-16.75	Pilot GETS
	08/10/15	-18.85	Pilot GETS
	09/03/15	-20.36	Pilot GETS
	10/06/15	-21.68	Pilot GETS
	11/02/15	-17.03	Pilot GETS
	12/03/15	-14.24	
	01/07/16	-10.36	
	02/01/16	-9.58	
	03/03/16	-8.18	Pilot GETS
	04/05/16	-8.41	Pilot GETS
	05/02/16	-11.42	Pilot GETS
	06/01/16	-13.35	Pilot GETS
	06/16/16	-15.08	Pilot GETS
	07/07/16	-16.33	Pilot GETS
	07/21/16	-17.65	Pilot GETS
	08/01/16	-17.98	Pilot GETS
	08/18/16	-19.16	Pilot GETS
	09/08/16	-20.53	Pilot GETS
	09/15/16	-20.77	Pilot GETS
	10/06/16	-22.20	Pilot GETS
	10/20/16	-25.19	Pilot GETS
	11/01/16	-19.08	Pilot GETS
	11/07/16	-19.23	Pilot GETS
	12/01/16	-18.43	Pilot GETS
	12/15/16	-19.23	Pilot GETS
	01/06/17	-14.48	Pilot GETS
	01/26/17	-4.31	Pilot GETS
	02/03/17	-3.03	Pilot GETS
	02/06/17	-4.41	Pilot GETS
	02/16/17	-1.60	Pilot GETS
	03/02/17	-3.14	Pilot GETS
	03/16/17	-5.26	Pilot GETS
	04/06/17	6.44	Pilot GETS
	04/20/17	4.45	Pilot GETS
	05/15/17	6.05	Pilot GETS
	05/18/17	-0.60	Pilot GETS
	06/15/17	-3.14	Pilot GETS
	07/06/17	-1.77	Pilot GETS
	07/20/17	-6.49	Pilot GETS
	08/03/17	-5.94	Pilot GETS
	08/07/17	-5.76	Pilot GETS
	08/17/17	-20.54	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)			
EW-02	09/01/17	-1.91	Pilot GETS
(Cond't)	09/14/17	2.75	Pilot GETS
	10/19/17	12.81	Pilot GETS
	11/06/17	16.71	Pilot GETS
	11/20/17	19.55	Pilot GETS
	12/04/17	21.62	Pilot GETS
	12/14/17	22.91	Pilot GETS
	01/04/18	25.39	Pilot GETS
	01/18/18	26.58	Pilot GETS
	02/15/18	21.93	Pilot GETS
	02/26/18	20.49	Pilot GETS
Perched Zone Water Levels			
P-07	06/12/97	30.14	
	05/13/98	30.23	
	05/27/98	30.22	
	06/11/98	30.19	
	07/14/98	30.08	
	11/11/98	29.95	SVE, DPE-H2O
	11/18/98	29.92	SVE, DPE-H2O
	11/18/98	29.86	SVE, DPE-H2O
	11/19/98	29.98	SVE, DPE, DPE-H2O
	11/20/98	29.90	SVE, DPE-H2O
	11/23/98	29.98	SVE, DPE-H2O
	11/23/98	29.82	SVE, DPE-H2O
	11/24/98	29.81	SVE, DPE-H2O
	12/07/98	29.94	SVE, DPE-H2O
	12/07/98	29.82	SVE, DPE, DPE-H2O
	12/10/98	29.84	SVE, DPE, DPE-H2O
	12/11/98	29.97	SVE, DPE-H2O
	12/14/98	30.08	SVE, DPE-H2O
	12/14/98	30.07	SVE, DPE, DPE-H2O
	12/16/98	29.86	SVE, DPE, DPE-H2O
	01/06/99	29.98	
	01/20/99	30.14	DPE, DPE-H2O
	01/25/99	29.84	SVE, DPE, DPE-H2O
	01/27/99	29.83	SVE, DPE, DPE-H2O
	02/01/99	30.09	SVE, DPE, DPE-H2O
	02/10/99	29.78	
	02/23/99	30.17	DPE
	03/01/99	29.79	
	03/09/99	30.15	
	03/10/99	29.77	SVE, DPE, DPE-H2O
	03/12/99	29.83	SVE, DPE, DPE-H2O
	03/15/99	29.75	SVE, DPE, DPE-H2O
	03/17/99	29.80	SVE, DPE-H2O
	03/29/99	30.00	SVE, DPE-H2O
	04/07/99	--	SVE, DPE-H2O

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)			
P-07	04/12/99	29.76	SVE, DPE-H2O
(Cont'd)	04/23/99	30.12	SVE, DPE-H2O
	04/29/99	--	SVE, DPE-H2O
	05/17/99	29.68	SVE, DPE-H2O
	06/16/99	29.68	SVE, DPE-H2O
	06/25/99	30.06	DPE, DPE-H2O
	07/15/99	29.77	DPE-H2O
	08/30/99	29.76	5.6 inches water in vaccum
	09/27/99	29.76	5 inches water in vaccum
	11/02/99	29.78	
	11/09/99	29.61	
	11/23/99	30.07	
	11/23/99	30.21	
	11/23/99	30.20	
	12/06/99	29.64	
	01/26/00	28.63	
	02/07/00	29.85	
	07/05/00	30.31	
	01/16/01	30.27	
	03/19/01	30.18	
	03/26/01	30.28	
	04/03/01	30.22	
	04/10/01	30.32	
	04/17/01	30.32	
	04/26/01	30.22	
	05/10/01	30.17	
	06/26/01	30.36	
	09/10/01	30.40	
	10/24/01	30.27	
	01/15/02	30.33	
	03/19/02	30.39	
	04/15/02	30.27	
	10/31/02	30.18	
	11/18/02	30.20	
	05/08/03	29.83	
	06/09/03	29.37	
	09/15/03	28.66	
	09/25/03	28.56	
	10/14/03	28.49	
	12/15/03	28.27	
	03/29/04	29.89	
	06/14/04	28.40	Dry to 117.4 feet bls. Water level elevation <24.9 feet msl.
	09/20/04	--	
	10/19/04	26.01	
	11/10/04	26.53	
	12/06/04	26.66	Dry @ 116.8 ft.
	03/15/05	--	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)			
P-07	06/20/05	27.81	Dry @ 115.0 ft bls.
(Cont'd)	09/19/05	--	
	12/17/05	30.05	
	03/20/06	31.37	
	06/19/06	34.74	
	09/25/06	31.12	
	12/11/06	31.09	
	03/12/07	30.60	
	06/18/07	27.39	
	09/24/07	--	Dry @ 115.16 ft bls.
	12/10/07	--	
	03/17/08	27.73	
	06/23/08	28.18	
	09/22/08	28.46	
	12/15/08	28.84	
	03/16/09	29.18	
	06/22/09	29.50	
	08/31/09	29.64	
	12/07/09	29.79	
	03/01/10	29.97	
	03/03/10	29.89	
	06/07/10	30.07	
	09/07/10	29.80	
	12/06/10	30.04	
	03/24/11	30.80	
	06/20/11	30.95	
	08/01/11	31.00	
	10/31/11	31.03	
	02/06/12	31.30	
	05/07/12	31.59	
	08/06/12	30.92	
	11/05/12	29.97	
	02/04/13	30.81	
	05/13/13	30.91	
	08/12/13	29.16	
	11/11/13	29.73	
	02/03/14	30.09	
	05/19/14	29.76	
	08/18/14	29.48	
	11/04/14	29.31	
	02/02/15	29.50	
	05/11/15	29.32	
	08/10/15	28.72	
	11/02/15	28.71	
	02/01/16	28.93	
	05/02/16	28.58	
	08/01/16	28.04	
	11/07/16	27.40	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)			
P-07	02/06/17	27.35	
(Cont'd)	05/15/17	28.96	
	08/07/17	26.99	
	11/06/17	30.81	
	02/26/18	31.55	
P-09	09/15/03	62.01	
	10/08/03	62.18	
	10/14/03	62.33	
	12/15/03	61.77	
	03/29/04	61.83	
	06/14/04	61.57	
	09/20/04	61.37	
	11/10/04	61.86	
	12/06/04	62.01	
	03/14/05	62.41	
	06/20/05	62.36	
	09/19/05	62.52	
	12/17/05	62.54	
	03/20/06	62.66	
	06/19/06	62.90	
	09/25/06	63.01	
	12/12/06	62.92	
	03/12/07	62.93	
	06/18/07	63.06	
	09/24/07	62.95	
	12/10/07	63.02	
	03/17/08	63.10	
	06/23/08	63.13	
	09/22/08	63.03	
	12/15/08	63.22	
	03/16/09	63.16	
	06/22/09	63.20	
	08/31/09	63.11	
	12/07/09	63.06	
	03/01/10	63.12	
	03/02/10	63.11	
	06/07/10	63.17	
	09/07/10	63.08	
	12/06/10	63.26	
	03/24/11	63.42	
	06/20/11	63.38	
	08/01/11	63.38	
	10/31/11	63.36	
	02/06/12	63.36	
	05/07/12	63.35	
	08/06/12	63.38	
	11/05/12	63.16	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)			
P-09	02/04/13	63.32	
(Cont'd)	05/13/13	63.38	
	08/12/13	63.23	
	11/11/13	63.06	
	02/03/14	63.13	
	05/19/14	63.17	
	08/18/14	63.13	
	11/04/14	63.03	
	02/02/15	63.16	
	05/11/15	63.26	
	08/10/15	63.03	
	11/02/15	63.14	
	02/01/16	63.02	
	05/02/16	63.01	
	08/01/16	62.96	
	11/07/16	62.87	
	02/06/17	62.91	
	05/15/17	63.10	
	08/07/17	63.03	
	11/06/17	63.03	
	02/26/18	63.09	

FOOTNOTES

(a) Reference point elevations are relative to City of Fullerton datum.
(>) = Greater than
(<) = Less than
(--) = Not Calculated
bls = Below land surface
msl = Mean sea level
NA = Reference Point Not Available
SVE = Soil Vapor Extraction System On
DPE = Vapor Phase Dual Vapor Extraction System On
DPE-H2O = Water Phase Dual Vapor Extraction System On
Pilot GETS = Pilot Groundwater Extraction and Treatment System On
UTM = Unable to Measure

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells																
MW-06	01/30/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-600	01/30/97	FD	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-06	02/19/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-06	02/09/00	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-06	05/08/01	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-06	04/17/02	ORG	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-06	04/17/02	SPT	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-06	11/18/02	ORG	< 0.50	< 0.50	**2.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	06/10/03	ORG	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-06	12/17/03	ORG	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	06/16/04	ORG	< 0.50	< 0.50	**2.2 U**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	12/09/04	ORG	< 0.50	< 0.50	**2.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.1
MW-06	06/23/05	ORG	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	12/20/05	ORG	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	06/21/06	ORG	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	12/18/06	ORG	< 0.50	< 0.50	**2.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	06/21/07	ORG	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	12/12/07	ORG	< 0.50	< 0.50	**0.78**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	06/26/08	ORG	< 0.50	< 0.50	**0.85 U**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	06/25/09	ORG	< 0.50	< 0.50	**0.52**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	12/08/09	ORG	< 0.50	< 0.50	**0.53**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	06/08/10	ORG	< 0.50	< 0.50	**0.56**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	12/10/10	ORG	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-06	02/08/12	ORG	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	02/05/13	ORG	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	02/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.78**	NA
MW-06	02/02/16	ORG	< 0.50	< 0.50	**0.85**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	02/08/17	ORG	< 0.50	< 0.50	**0.94**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	03/01/18	ORG	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
Historical High/Low					**High**											
MW-06 Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 2.8	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.78	< 0.50 - < 2.0
MW-08	01/28/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.3**	< 1.0	< 1.0	NA
MW-08	02/19/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.9**	< 1.0	< 1.0	NA
MW-08	02/17/00	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-08	05/09/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	NA
MW-08	04/17/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**	< 0.50	< 0.50	< 0.5
MW-08	04/17/02	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**	< 0.50	< 0.50	< 1.0
MW-08	11/21/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**	< 0.50	< 0.50	< 0.50	< 0.50	**7.6**	< 0.50	< 0.50	NA
MW-08	06/11/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.98**	**0.67**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	NA
MW-08	12/18/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**	< 0.50	< 0.50	NA
MW-08	03/30/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	**0.52**	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-08	06/17/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**64**	**5.6**	< 0.50	< 0.50	< 0.50	**89**	< 0.50	< 0.50	NA
MW-800	06/17/04	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**60**	**5.1**	< 0.50	< 0.50	< 0.50	**87**	< 0.50	< 0.50	NA
MW-08	06/17/04	SPT	< 1	< 1	< 1	< 1	< 1	**48**	**4.0**	< 1	< 1	< 1	**65**	< 1	< 1	NA
MW-08	07/28/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23 E**	**2.5**	< 0.50	< 0.50	< 0.50	**40 E**	< 0.50	< 0.50	< 2
MW-800	07/28/04	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23 E**	**2.1**	< 0.50	< 0.50	< 0.50	**39 E**	< 0.50	< 0.50	< 2
MW-08	07/28/04	SPT	< 1	< 1	< 1	< 1	< 1	**13 E**	**1.0**	< 1	< 1	< 1	**23 E**	< 1	< 1	< 1
MW-08	09/21/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.4**	**1.0**	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	NA
MW-08	12/15/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.7**	**0.61**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	< 2.2
MW-08	03/16/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.7**	**0.65**	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	< 2.0
MW-08	06/24/05	ORG	**0.85**	< 0.50	< 0.50	< 0.50	< 0.50	**180**	**7.7**	< 0.50	< 0.50	< 0.50	**130**	< 0.50	< 0.50	< 2.0
MW-800	06/24/05	FD	**0.87**	< 0.50	< 0.50	< 0.50	< 0.50	**160**	**7.6**	< 0.50	< 0.50	< 0.50	**130**	< 0.50	< 0.50	< 2.0
MW-08	09/22/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**45 E**	**3.4**	< 0.50	< 0.50	< 0.50	**61 E**	< 0.50	< 0.50	< 2.0
MW-800	09/22/05	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22 E**	**2.1**	< 0.50	< 0.50	< 0.50	**39**	< 0.50	< 0.50	**20 U**
MW-08	09/22/05	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15 E**	**2.0**	< 0.50	< 0.50	< 0.50	**33 E**	**0.90**	< 0.50	< 1.0
MW-08	12/20/05	ORG	< 0.50	**0.50**	< 0.50	**2.0**	< 0.50	**350**	**3.0**	< 0.50	< 0.50	< 0.50	**76**	**0.50**	< 0.50	**13**
MW-08	03/23/06	ORG	< 0.50	< 0.50	**0.76**	**3.6**	**0.92**	**270**	**2.5**	**0.55**	< 0.50	< 0.50	**55**	< 0.50	< 0.50	**65**
MW-800	03/23/06	FD	< 0.50	< 0.50	**0.82**	**4.7**	**1.0**	**380**	**2.9**	**0.74**	< 0.50	< 0.50	**65**	< 0.50	< 0.50	**81**
MW-08	06/22/06	ORG	< 0.50	< 0.50	**0.69**	**5.1**	**0.99**	**500**	**2.6**	**1.3**	< 0.50	< 0.50	**69**	< 0.50	< 0.50	**130**
MW-800	06/22/06	FD	< 0.50	< 0.50	**0.69**	**5.0**	**1.0**	**410**	**2.5**	**1.2**	< 0.50	< 0.50	**69**	< 0.50	< 0.50	**110**
MW-08	06/22/06	SPT	< 3.0	< 3.0	< 3.0	**6.0**	< 3.0	**380**	**3.0**	< 3.0	< 3.0	< 3.0	**50**	< 3.0	< 3.0	**140**
MW-08	09/28/06	ORG	**0.95**	< 0.50	< 0.50	< 0.50	< 0.50	**27**	**6.5**	< 0.50	< 0.50	< 0.50	**120**	< 0.50	< 0.50	< 2.0
MW-800	09/28/06	FD	**1.1**	< 0.50	< 0.50	< 0.50	< 0.50	**24**	**7.7**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 2.0
MW-08	09/28/06	SPT	**1.0**	< 0.50	< 0.50	< 0.50	< 0.50	**28**	**6.2**	< 0.50	< 0.50	< 0.50	**130**	< 0.50	< 0.50	< 1
MW-08	12/19/06	ORG	**0.93**	< 0.50	< 0.50	< 0.50	< 0.50	**13**	**7.1**	< 0.50	< 0.50	< 0.50	**130**	< 0.50	< 0.50	< 2.0
MW-800	12/19/06	FD	**0.95**	< 0.50	< 0.50	< 0.50	< 0.50	**14**	**7.1**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 2.0
MW-08	03/15/07	ORG	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	**120**	**4.5**	< 0.50	< 0.50	< 0.50	**90**	< 0.50	< 0.50	**26**
MW-08	06/22/07	ORG	< 0.50	< 0.50	**0.50**	**0.51**	< 0.50	**87**	**4.4**	< 0.50	< 0.50	< 0.50	**92**	< 0.50	< 0.50	**25**
MW-08	09/26/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32 E**	**1.5**	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	**7.7**
MW-800	09/26/07	FD	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**47 E**	**1.5**	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	**8.2**
MW-08	09/26/07	SPT	< 1	< 1	< 1	< 1	< 1	**42 E**	**1.0**	< 1	< 1	< 1	**26**	< 1	< 1	**11**
MW-08	12/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**39**	**1.3**	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	**6.0**
MW-08	03/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**28**	**0.97**	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	**5.4**
MW-800	03/18/08	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	**1.1**	< 0.50	< 0.50	< 0.50	**20**	< 0.50	< 0.50	**5.3**
MW-08	03/18/08	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	**0.9**	< 0.50	< 0.50	< 0.50	**21**	**0.60**	< 0.50	**7.0**
MW-08	06/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**	**1.3**	< 0.50	< 0.50	< 0.50	**23**	< 0.50	< 0.50	**5.9**
MW-08	09/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	**1.0**	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	**3.7 BU**
MW-08	12/19/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	**0.7**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**3.9**
MW-08	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	**1.2**	< 0.50	< 0.50	< 0.50	**21**	< 0.50	< 0.50	**3.9**
MW-08	06/25/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	**1.1**	< 0.50	< 0.50	< 0.50	**23**	< 0.50	< 0.50	**2.7**
MW-08	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	**0.56**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**2.4**
MW-08	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	**0.68**	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	**7.2**
MW-08	03/03/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**33**	**0.87**	< 0.50	< 0.50	< 0.50	**21**	< 0.50	< 0.50	**8.4**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-08	06/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**35**	**7.1**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 2.0
MW-08	09/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**36**	**9.8**	< 0.50	< 0.50	< 0.50	**200**	< 0.50	< 0.50	**2.4**
MW-08	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**	**6.0**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 2.0
MW-08	03/30/11	ORG	**0.84**	< 0.50	**0.69**	< 0.50	< 0.50	**38**	**10**	< 0.50	< 0.50	< 0.50	**230**	< 0.50	< 0.50	< 0.20
MW-08	06/24/11	ORG	**0.57**	< 0.50	**0.65**	< 0.50	< 0.50	**67**	**9.4**	< 0.50	< 0.50	< 0.50	**210**	< 0.50	< 0.50	**0.75**
MW-800	06/24/11	FD	**0.56**	< 0.50	**0.67**	< 0.50	< 0.50	**68**	**9.0**	< 0.50	< 0.50	< 0.50	**220**	< 0.50	< 0.50	**0.59**
MW-08	08/02/11	ORG	**0.64**	< 0.50	**0.86**	< 0.50	< 0.50	**190**	**13**	< 0.50	< 0.50	< 0.50	**480**	< 0.50	< 0.50	**0.69**
MW-08	11/04/11	ORG	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	**39.4**	**9.2**	< 0.50	< 0.50	< 0.50	**200**	< 0.50	< 0.50	**0.40**
MW-0800	11/04/11	FD	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	**39.5**	**7.6**	< 0.50	< 0.50	< 0.50	**170**	< 0.50	< 0.50	**0.40**
MW-08	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**	**8.4**	< 0.50	< 0.50	< 0.50	**170**	< 0.50	< 0.50	**0.94**
MW-08	05/11/12	ORG	< 1.0	< 1.0	< 1.0	**1.4**	< 1.0	**340**	**5.0**	**1.1**	< 1.0	< 1.0	**120**	< 1.0	< 1.0	**6.3**
MW-08	08/09/12	ORG	< 0.50	< 0.50	**0.67**	< 0.50	< 0.50	**52**	**6.0**	< 0.50	< 0.50	< 0.50	**120**	< 0.50	< 0.50	**0.38**
MW-08	11/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	**2.6**	< 0.50	< 0.50	< 0.50	**57**	< 0.50	< 0.50	**4.4**
MW-08	02/08/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	**1.8**	< 0.50	< 0.50	< 0.50	**41**	< 0.50	< 0.50	**1.1**
MW-08	05/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	**2.0**	< 0.50	< 0.50	< 0.50	**41**	< 0.50	< 0.50	**1.3**
MW-08	08/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**	**1.6**	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	**1.0**
MW-08	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**0.81**	< 0.50	< 0.50	< 0.50	**17**	< 0.50	< 0.50	**0.50**
MW-08	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.9**	**0.62**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**0.53**
MW-08	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.4**	**0.83**	< 0.50	< 0.50	< 0.50	**16**	< 0.50	< 0.50	**1.7**
MW-08	08/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**	**0.62**	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	**0.31**
MW-08	11/11/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**	**0.68**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	< 0.20
MW-08	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.8**	**0.98**	< 0.50	< 0.50	< 0.50	**21**	< 0.50	< 0.50	**1.1**
MW-08	05/13/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**1.1**	< 0.50	< 0.50	< 0.50	**25**	< 0.50	**2.3**	**0.29**
MW-08[(1)]	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.8**	**1.9**	< 0.50	< 0.50	< 0.50	**32**	< 0.50	< 0.50	**0.71**
MW-08	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	**0.94**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**0.35**
MW-08	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.8**	**2.0**	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	**0.40**
MW-08	05/03/16	ORG	< 0.50	< 0.50	**0.65**	< 0.50	< 0.50	**25**	**9.6**	< 0.50	< 0.50	< 0.50	**140**	< 0.50	< 0.50	**0.70**
MW-08	08/01/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**	**2.8**	< 0.50	< 0.50	< 0.50	**38**	< 0.50	< 0.50	< 0.20
MW-08	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**	**1.2**	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	< 0.20
MW-08	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**	**1.1**	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	< 0.20
MW-08	05/16/17	ORG	< 0.50	< 0.50	**0.57**	< 0.50	< 0.50	**29**	**7.7**	< 0.50	< 0.50	< 0.50	**150**	< 0.50	< 0.50	**0.960 J**
MW-08	08/09/17	ORG	< 0.50	< 0.50	**0.71**	< 0.50	**0.15 J**	**36**	**9.0**	< 0.50	< 0.50	< 0.50	**150**	< 0.50	< 0.50	**0.28**
MW-08	11/07/17	ORG	< 0.50	< 0.50	**0.54**	**0.39 J**	< 0.50	**96**	**5.9**	**0.36 J**	< 0.50	< 0.50	**140**	< 0.50	< 0.50	**0.16 J**
MW-08	02/27/18	ORG	< 0.50	< 0.50	**0.74**	**1.6**	< 0.50	**230**	**7.1**	**0.49 J**	< 0.50	< 0.50	**140**	< 0.50	< 0.50	**9.6**
MW-08 Historical Range* **			< 0.50 - 0.95	< 0.50 - 0.5	< 0.50 - 0.86	< 0.50 - 5.1	< 0.50 - 0.99	< 0.50 - 500	< 0.50 - 13	< 0.50 - 1.3	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 480	< 0.50 - 1.0	< 0.50 - 2.3	< 0.20 - 130
MW-09	03/26/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-09	04/10/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-09	02/17/00	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-09	11/21/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.3**	< 0.50	**7.6**
MW-900	11/21/02	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	**7.7**
MW-09	11/21/02	SPT	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**3.0**	< 1.0	**6.8**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-09	06/10/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**4.0**
MW-900	06/10/03	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	**7.4**
MW-09	06/10/03	SPT	< 1	< 1	< 1	< 1	< 1	**2.0**	< 1	< 1	< 1	< 1	< 1	**2.0**	< 1	**3.8**
MW-09	09/24/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	12/18/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.81**	< 0.50	< 2.0
MW-900	12/18/03	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 2.0
MW-09	03/30/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 2.0
MW-09	06/16/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/21/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	< 2.0
MW-09	12/08/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 2.1
MW-09	03/15/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.69**	< 0.50	< 2.2
MW-09	03/15/05	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**3.0**
MW-09	06/23/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	12/20/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.85**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	03/22/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/28/06	ORG	< 0.50	< 0.50	< 0.50	**0.79**	< 0.50	**32**	< 0.50	< 0.50	< 0.50	< 0.50	**0.96**	< 0.50	< 0.50	**52 E**
MW-09	12/19/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0 E
MW-900	12/19/06	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.1 E**
MW-09	03/14/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/26/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.70**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	12/12/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.75**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	03/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**
MW-09	06/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.54**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	12/08/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5
MW-09	03/03/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	06/11/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	09/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-09	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	08/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.59**
MW-09	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	08/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	02/08/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	02/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.30**
MW-09	08/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.60**
MW-09	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.62**
MW-09	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-09	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.54**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-09	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.27 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	02/27/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09 Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.79	< 0.50 - < 5.0	< 0.50 - 4.9	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.96	< 0.50 - 5.3	< 0.50 - < 5.0	< 0.20 - 52 E
MW-13	04/22/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.3**	< 1.0	NA
MW-13	05/21/97	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-13	02/15/00	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-13	07/06/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 3.0
MW-13	05/07/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-13	10/24/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-13	04/17/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-13	04/17/02	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-13	11/19/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.78**	< 0.50	< 0.5
MW-13	06/10/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.5
MW-13	12/16/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	< 2.0
MW-13	06/15/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 2.0
MW-13	12/08/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 2.1
MW-13	06/23/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.60**	**3.8**	< 0.50	< 2.0
MW-13	12/19/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	**3.7**	< 0.50	< 2.0
MW-13	06/22/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.58**	**3.5**	< 0.50	**2.4**
MW-13	09/29/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.5**	< 0.50	< 2.0
MW-13	09/29/06	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	**3.0**	< 0.50	< 1
MW-13	12/14/06	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.3**	< 1.0	< 2.0
MW-13	06/21/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 2.0
MW-13	12/12/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-13	06/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 2.0
MW-13	12/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 2.5
MW-13	06/24/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 2.0
MW-13	12/08/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 2.0
MW-13	06/11/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**	< 0.50	< 2.0
MW-13	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 2.0
MW-13	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.3**	< 0.50	< 0.20
MW-13	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.0**	< 0.50	< 0.20
MW-13	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**	< 0.50	< 0.20
MW-13	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	< 0.20
MW-13	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.6**	< 0.50	< 0.20
MW-13	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.3**	< 0.50	< 0.20
MW-13	02/27/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.8**	< 0.50	< 0.20
MW-13 Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 1.5	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.60	< 0.50 - 7.6	< 0.50 - < 5.0	< 0.20 - 2.4
MW-15	05/27/98	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.0**	< 5.0	< 5.0	NA
MW-15	06/11/98	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.5**	**20**	< 5.0	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-15	02/16/00	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**5.9**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**9.6**	< 5.0	NA
MW-1500	02/16/00	FD	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**6.7**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**9.8**	< 5.0	NA
MW-15	07/05/00	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**8.4**	< 1.0	< 1.0	< 1.0	< 1.0	**1.9**	**4.7**	< 1.0	NA
MW-15	07/05/00	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**10**	< 1.0	< 1.0	< 1.0	< 1.0	**2.4**	< 0.50	< 1.0	< 3.0
MW-15	05/08/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	< 0.50	**7.8**	< 0.50	< 0.50	NA
MW-15	10/25/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-15	04/18/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-15	04/18/02	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-15	11/21/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	< 0.50	NA
MW-15	06/11/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-15	09/23/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	NA
MW-15	12/18/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-15	03/30/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	NA
MW-15	06/17/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	**5.1**	< 0.50	NA
MW-15	09/21/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.6**	**10**	< 0.50	NA
MW-15	12/15/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.7**	**11**	< 0.50	NA
MW-15	03/15/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.0**	**9.4**	< 0.50	NA
MW-15	03/15/05	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**	**7.5**	< 0.50	NA
MW-15	06/23/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.4**	**11**	< 0.50	NA
MW-15	09/22/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**13**	< 0.50	NA
MW-15	12/20/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**9.2**	< 0.50	NA
MW-15	03/22/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	**11**	< 0.50	NA
MW-15	06/22/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.7**	**10**	< 0.50	NA
MW-15	09/29/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	NA
MW-1500	09/29/06	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	**12**	< 0.50	NA
MW-15	12/19/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.9**	**8.0**	< 0.50	< 2.0
MW-15	03/15/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	**5.8**	< 0.50	< 2.0
MW-15	06/22/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.1**	**12**	< 0.50	< 2.0
MW-15	09/26/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.5**	**5.9**	< 0.50	< 2.0
MW-1500	09/26/07	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	**6.6**	< 0.50	< 2.0
MW-15	09/26/07	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**3.0**	**5.0**	< 1	< 1
MW-15	12/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	**2.5**	**7.2**	< 0.50	< 2.0
MW-15	03/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.5**	**5.5**	< 0.50	< 2.0
MW-15	06/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	**5.8**	< 0.50	< 2.0
MW-15	09/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.7**	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	**3.3**	< 0.50	< 2.0
MW-15	12/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.8**	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	**1.9**	< 0.50	NA
MW-15	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**2.6**	< 0.50	NA
MW-15	06/24/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.8**	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	**1.9**	< 0.50	NA
MW-15	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.4**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	**2.1**	< 0.50	NA
MW-15	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**	< 0.50	< 0.50	< 0.50	< 0.50	**0.94**	**2.0**	< 0.50	NA
MW-15	03/03/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.73**	**1.6**	< 0.50	NA
MW-15	06/11/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 2.0
MW-15	09/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-15	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	**1.7**	< 0.50	NA
MW-15	03/28/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	< 0.50	< 0.50	< 0.50	**3.4**	**6.8**	< 0.50	NA
MW-15	08/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.9**	**7.7**	< 0.50	NA
MW-15	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**	**9.1**	< 0.50	NA
MW-15	08/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**14**	< 0.50	NA
MW-15	02/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**	**5.8**	< 0.50	NA
MW-15	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	**8.6**	< 0.50	NA
MW-15	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**8.4**	< 0.50	NA
MW-15	08/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**7.0**	< 0.50	NA
MW-15	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.5**	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**6.0**	< 0.50	NA
MW-15	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.86**	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	**8.4**	< 0.50	NA
MW-15	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.70**	**4.0**	< 0.50	NA
MW-15	08/01/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**6.6**	< 0.50	NA
MW-15	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.55**	**2.0**	< 0.50	NA
MW-15	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**	**8.2**	< 0.50	NA
MW-15	02/27/18	ORG	< 0.50	< 0.50	**0.22 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**11**	< 0.50	NA
Historical High/Low					**High**											
MW-15 Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 12	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 7.8	< 0.50 - 20	< 0.50 - < 5.0	< 0.50 - < 2.0
MW-16[a]	11/05/99	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**317**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-16[a]	11/05/99	SPT	< 1.0	< 1.0	< 1.0	**3.6**	< 1.0	**510**	< 1.0	< 1.0	**5**	< 1.0	< 1.0	< 1.0	< 1.0	NA
MW-16	11/23/99	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**73**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-16[b]	11/23/99	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**99**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-16	12/07/99	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**49**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-16	12/07/99	SPT	< 2	< 5.0	< 5.0	< 2	< 5.0	**44**	< 2	< 2	< 2	< 2	< 2	< 5.0	< 5.0	NA
MW-16	02/18/00	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**238**	< 5.0	< 5.0	**11**	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-1600	02/18/00	FD	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**264**	< 5.0	< 5.0	**10**	< 5.0	< 5.0	< 5.0	< 5.0	NA
MW-16	07/05/00	ORG	< 0.50	< 0.50	**0.59**	**9.4**	**1.5**	**1,100 E**	< 0.50	**2.0**	**28 E**	**4.3**	**2.2**	< 0.50	< 0.50	**133**
MW-1600	07/05/00	FD	**0.54**	< 0.50	**0.56**	**9.2**	**1.5**	**1,100 E**	< 0.50	**1.7**	**26 E**	**4.0**	**2.0**	< 0.50	< 0.50	**77**
MW-16	07/05/00	SPT	NA	**0.80**	**0.80**	**13.4**	**1.9**	**2,400 E**	NA	**2.0**	**41.5 E**	**2.8**	**2.5**	< 0.50	< 0.50	**63.05**
MW-1600	05/10/01	FD	< 5.0	< 5.0	< 5.0	**12**	**2.0 J**	**870**	< 5.0	**2.0 J**	**20**	**3.0 J**	**2.0 J**	< 5.0	< 5.0	**174 E**
MW-16	05/10/01	ORG	< 5.0	< 5.0	**0.50 J**	**11**	**2.0 J**	**790**	< 5.0	**0.90 J**	**18**	**3.0 J**	**1.0 J**	< 5.0	< 5.0	**165 E**
MW-16	05/10/01	SPT	< 5.0	< 5.0	< 5.0	**9.0**	< 5.0	**940**	< 5.0	< 5.0	**20**	< 5.0	< 5.0	< 5.0	< 5.0	**270 E**
MW-16	10/23/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**88**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 3.0
MW-16	10/23/01	SPT	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**99**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.0**
MW-16	04/16/02	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**500**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**190**
MW-1600	04/16/02	FD	< 5.0	< 5.0	< 5.0	**6.0**	< 5.0	**420**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**190**
MW-16	04/16/02	SPT	< 3.0	< 3.0	< 3.0	**5.0**	< 3.0	**350**	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	**281**
MW-16	11/20/02	ORG	< 2.5	< 2.5	< 2.5	**7.1**	< 2.5	**440**	< 2.5	< 2.5	**3.6**	**3.7**	< 2.5	< 2.5	< 2.5	**420**
MW-16	06/11/03	ORG	< 0.50	< 0.50	< 0.50	**4.1**	**1.1**	**390**	< 0.50	**0.72**	**1.1**	**2.3**	**1.0**	< 0.50	< 0.50	**230**
MW-16	09/24/03	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	**12**
MW-16	12/17/03	ORG	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	**240**	< 0.50	**0.58**	< 0.50	**1.4**	**1.1**	< 0.50	< 0.50	**45**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-16	12/17/03	SPT	< 1.0	< 1.0	< 1.0	**3**	< 1.0	**200**	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0	**100**
MW-16	03/31/04	ORG	< 0.50	< 0.50	< 0.50	**8.2**	< 0.50	**590**	< 0.50	**1.9**	**1.8**	**5.6**	**1.9**	< 0.50	< 0.50	**180**
MW-1600	03/31/04	FD	< 0.50	< 0.50	< 0.50	**8.3**	< 0.50	**590**	< 0.50	**1.9**	**1.8**	**5.6**	**1.8**	< 0.50	< 0.50	**180**
MW-16	06/18/04	ORG	< 0.50	< 0.50	**0.98 U**	**14**	< 0.50	**870**	**0.50**	**2.7**	**2.6**	**10**	**2.8**	< 0.50	< 0.50	**400**
MW-16	09/22/04	ORG	< 0.50	< 0.50	< 0.50	**2**	< 0.50	**260**	< 0.50	< 0.50	< 0.50	**0.51**	**1.0**	< 0.50	< 0.50	**11**
MW-16	12/10/04	ORG	< 0.50	< 0.50	< 0.50	**3.7**	< 0.50	**900**	< 0.50	**0.61**	< 0.50	**1.0**	**1.8**	< 0.50	< 0.50	**26**
MW-16	03/17/05	ORG	< 0.50	**0.58**	**1.1**	**18**	**4.5**	**1,900**	**0.57**	**2.9**	**2.0**	**10**	**3.7**	< 0.50	< 0.50	**250**
MW-1600	03/17/05	FD	< 0.50	**0.58**	**1.1**	**17**	**4.2**	**1,400**	**0.51**	**2.7**	**1.9**	**9.8**	**3.6**	< 0.50	< 0.50	**290**
MW-16	06/24/05	ORG	< 0.50	< 0.50	< 0.50	**6.9**	**1.7**	**710**	< 0.50	**1.3**	< 0.50	**4.2**	**2.3**	< 0.50	< 0.50	**110**
MW-16	09/22/05	ORG	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	**320**	< 0.50	< 0.50	< 0.50	**0.88**	**1.7**	< 0.50	< 0.50	< 2.0
MW-16	12/21/05	ORG	< 0.50	< 0.50	< 0.50	**4.3**	**1.2**	**370**	< 0.50	**1.1**	< 0.50	**2.2**	**1.2**	< 0.50	< 0.50	**190**
MW-1600	12/21/05	FD	< 0.50	< 0.50	< 0.50	**3.8**	**1.1**	**320**	< 0.50	**0.99**	< 0.50	**1.9**	**1.1**	< 0.50	< 0.50	**180**
MW-16	03/22/06	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**1.1**	**210**	< 0.50	**0.70**	< 0.50	**1.4**	**0.63**	< 0.50	< 0.50	**110**
MW-16	06/22/06	ORG	< 0.50	< 0.50	< 0.50	**2.7**	**0.85**	**240**	< 0.50	**0.95**	< 0.50	**1.7**	**0.86**	< 0.50	< 0.50	**140**
MW-16	09/28/06	ORG	< 0.50	< 0.50	< 0.50	**2.6**	< 0.5	**280**	< 0.50	**0.51**	< 0.50	**0.93**	**1.4**	< 0.50	< 0.50	**130**
MW-16	12/15/06	ORG	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**220**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**64**
MW-16	03/14/07	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**270**	< 0.50	< 0.50	< 0.50	**0.91**	**2.0**	< 0.50	< 0.50	**54**
MW-16	03/14/07	SPT	< 2	< 2	< 2	**2.0**	< 2	**270**	< 2	< 2	< 2	< 2	< 2	< 2	< 2	**71**
MW-16	06/20/07	ORG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	**25**
MW-16	09/27/07	ORG	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	**330**	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 0.50	**14**
MW-16	12/13/07	ORG	< 0.50	< 0.50	< 0.50	**2.7**	< 0.50	**320**	< 0.50	< 0.50	< 0.50	< 0.50	**2.8**	< 0.50	< 0.50	**17**
MW-16	03/19/08	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**330**	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	< 0.50	**30 U**
MW-16	06/24/08	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**480**	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	< 0.50	**13**
MW-16	09/25/08	ORG	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	**820**	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	**19 B**
MW-1600	09/25/08	FD	< 0.50	< 0.50	< 0.50	**4.8**	< 0.50	**800**	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	< 0.50	**21 B**
MW-16	09/25/08	SPT	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	**880**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**26**
MW-16	12/19/08	ORG	< 2.5	< 2.5	< 2.5	**5.2**	< 2.5	**1,100**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**27**
MW-1600	12/19/08	FD	< 2.5	< 2.5	< 2.5	**5.4**	< 2.5	**1,100**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**29**
MW-16	03/17/09	ORG	< 5.0	< 5.0	< 5.0	**8.9**	< 5.0	**1,500**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**65**
MW-1600	03/17/09	FD	< 5.0	< 5.0	< 5.0	**9.1**	< 5.0	**1,500**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**62**
MW-16	06/24/09	ORG	< 2.5	< 2.5	< 2.5	**6.1**	< 2.5	**790**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**360**
MW-16	09/02/09	ORG	< 2.5	< 2.5	< 2.5	**7.0**	< 2.5	**1,100**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**73**
MW-16	12/09/09	ORG	< 2.5	< 2.5	< 2.5	**5.5**	< 2.5	**910**	< 2.5	< 2.5	< 2.5	< 2.5	**3.0**	< 2.5	< 2.5	**100**
MW-16	03/03/10	ORG	< 1.0	< 1.0	< 1.0	**4.8**	**1.5**	**590**	< 1.0	< 1.0	< 1.0	**2.1**	**4.3**	< 1.0	< 1.0	**440**
MW-16	06/11/10	ORG	< 1.0	< 1.0	< 1.0	**4.6**	< 1.0	**560**	< 1.0	< 1.0	< 1.0	**1.3**	**4.5**	< 1.0	< 1.0	**180**
MW-16	06/11/10	SPT	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	**620**	< 1.0	< 1.0	< 1.0	**1.0**	**4.0**	< 1.0	< 1.0	**210**
MW-16	09/09/10	ORG	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	**540**	< 1.0	< 1.0	< 1.0	< 1.0	**4.9**	< 1.0	< 1.0	**45**
MW-16	12/09/10	ORG	< 1.0	< 1.0	< 1.0	**3.0**	< 1.0	**630**	< 1.0	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	< 1.0	**31**
MW-16	03/28/11	ORG	< 1.0	< 1.0	< 1.0	**7.8**	**1.7**	**680**	< 1.0	**1.5**	**3.6**	< 1.0	**4.1**	< 1.0	< 1.0	**99**
MW-16	08/05/11	ORG	< 1.0	< 1.0	< 1.0	**8.9**	**1.5**	**910**	< 1.0	**1.1**	**3.6**	**2.9**	**5.3**	< 1.0	< 1.0	**260**
MW-16	02/07/12	ORG	< 1.0	< 1.0	< 1.0	**2.3**	< 1.0	**95**	< 1.0	< 1.0	< 1.0	**1.3**	< 1.0	< 1.0	< 1.0	**44**
MW-16	08/10/12	ORG	< 0.50	< 0.50	< 0.50	**3.5**	< 0.50	**560**	< 0.50	**0.57**	< 0.50	**0.52**	**4.2**	< 0.50	< 0.50	**24**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (-/5)	1,2-DCA (-/-)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (-/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-16	02/06/13	ORG	< 1.0	< 1.0	< 1.0	**3.9**	< 1.0	**680**	< 1.0	< 1.0	< 1.0	< 1.0	**4.5**	< 1.0	< 1.0	**49**
MW-16	08/14/13	ORG	< 1.2	< 1.2	< 1.2	**5.2**	< 1.2	**770**	< 1.2	< 1.2	< 1.2	< 1.2	**5.7**	< 1.2	< 1.2	**36**
MW-16	02/05/14	ORG	< 1.0	< 1.0	< 1.0	**4.9**	< 1.0	**750**	< 1.0	< 1.0	< 1.0	< 1.0	**5.4**	< 1.0	< 1.0	**33**
MW-1600	02/05/14	FD	< 0.50	< 0.50	< 0.50	**4.1**	**0.52**	**630**	< 0.50	**0.89**	< 0.50	< 0.50	**6.1**	< 0.50	< 0.50	**33**
MW-16	02/05/14	SPT	< 0.50	< 0.50	< 1.0	**5.1**	< 0.50	**780**	< 1.0	< 1.0	< 1.0	< 1.0	**5.8**	< 10	< 1.0	**45**
MW-16	08/20/14	ORG	< 1.0	< 1.0	< 1.0	**4.0**	< 0.50	**820**	< 1.0	< 1.0	< 1.0	< 1.0	**6.4**	< 1.0	< 1.0	**38**
MW-16	02/05/15	ORG	< 5.0	< 5.0	< 5.0	**9.8**	< 5.0	**1,200**	< 5.0	< 5.0	< 5.0	< 5.0	**7.1**	< 5.0	< 5.0	**440**
MW-16	08/12/15	ORG	<2.5	<2.5	<2.5	**5.4**	<2.5	**1,100**	<2.5	<2.5	<2.5	<2.5	**6.2**	<2.5	<2.5	**46**
MW-1600	08/12/15	FD	<2.5	<2.5	<2.5	**5.8**	<2.5	**1,100**	<2.5	<2.5	<2.5	<2.5	**6.0**	<2.5	<2.5	**45**
MW-16	08/12/15	SPT	<2.5	<2.5	< 5.0	**5.5**	<2.5	**930**	< 5.0	< 5.0	< 5.0	< 5.0	**10**	<2.5	< 5.0	**47**
MW-16	02/04/16	ORG	<2.5	<2.5	<2.5	**7.5**	<2.5	**1,500**	<2.5	<2.5	<2.5	<2.5	**5.2**	<2.5	<2.5	**52**
MW-16	08/02/16	ORG	<2.5	<2.5	<2.5	**6.2**	<2.5	**1,000**	<2.5	<2.5	<2.5	<2.5	**6.2**	<2.5	<2.5	**27**
MW-1600	08/02/16	FD	<2.5	<2.5	<2.5	**5.3**	<2.5	**1,000**	<2.5	<2.5	<2.5	<2.5	**6.4**	<2.5	<2.5	**29**
MW-16	02/07/17	ORG	<2.5	<2.5	<2.5	**6.8**	<2.5	**890**	<2.5	<2.5	<2.5	<2.5	**3.8**	<2.5	<2.5	**240**
MW-16	08/10/17	ORG	< 0.50	< 0.50	< 0.50	**5.6**	< 0.50	**970**	< 0.50	**1.6 J**	< 0.50	**1.3 J**	**6.0**	< 0.50	< 0.50	**57**
MW-16	03/01/18	ORG	< 0.50	< 0.50	**0.21 J**	**1.0**	< 0.50	**100**	< 0.50	**0.57**	< 0.50	**0.54**	**0.50**	< 0.50	< 0.50	**54**
MW-1600	03/01/18	FD	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**81**	< 0.50	**0.49 J**	< 0.50	**0.54**	**0.23 J**	< 0.50	< 0.50	**54**
MW-16	03/01/18	SPT	< 0.50	< 0.50	< 1.0	**1.2**	< 0.50	**100**	< 1.0	< 1.0	< 1.0	**0.53 J**	**0.58 J**	< 10	< 1.0	**62**
MW-16 Historical Range* **			< 0.50 - < 5.0	< 0.50 - 0.58	< 0.50 - 1.1	< 0.50 - 18	< 0.50 - 4.5	49 - 1,900	< 0.50 - 0.57	< 0.50 - 2.9	< 0.50 - 28 E	< 0.50 - 10	< 0.50 - 7.1	< 0.50 - < 5.0	< 0.50 - < 5.0	< 2.0 - 440
MW-17	06/15/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-17	06/15/00	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-17	07/06/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 3.0
MW-17	07/06/00	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-17	05/08/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-17	10/22/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-1700	10/22/01	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-17	04/16/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-17	04/16/02	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-17	11/20/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-17	06/09/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-17	12/16/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	06/16/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	12/08/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.1
MW-17	06/22/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	12/19/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	12/13/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	12/11/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	06/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	12/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	06/24/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-17	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17	12/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-17 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - < 3.0
MW-18	06/15/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-1800	06/15/00	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.5**	< 0.50	NA
MW-18	07/06/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 3.0
MW-18	05/07/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.9**	< 0.50	NA
MW-18	10/23/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-18	04/16/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.5
MW-18	04/16/02	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-18	11/19/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	< 0.5
MW-18	06/10/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.5
MW-18	12/16/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 2.0
MW-18	06/15/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	< 2.0
MW-18	12/09/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 2.0
MW-18	06/22/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	< 2.0
MW-18	12/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	< 2.0
MW-18	06/20/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 2.0
MW-18	12/15/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 2.0
MW-18	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 2.0
MW-18	12/12/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-18	06/24/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 2.0
MW-18	12/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	**6.9**
MW-18	06/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	**4.6**
MW-1800	06/26/08	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	< 0.50	**5.0**
MW-18	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	**7.7 E**
MW-1800	12/10/09	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	**7.0 E**
MW-18	12/10/09	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**3.0**	< 1	**1 E**
MW-18	06/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.3**	< 0.50	< 2.0
MW-18	12/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	< 2.0
MW-18	08/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.8**	< 0.50	< 0.20
MW-18	02/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.20
MW-18	08/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.5**	< 0.50	< 0.20
MW-18	02/05/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.20
MW-18	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.20
MW-18	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	< 0.20
MW-18	08/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	< 0.20
MW-18	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.20
MW-18[(2)]	08/13/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	**0.82**	< 0.20
MW-18	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	< 0.20
MW-18	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-18	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.20
MW-18	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**1.4**
MW-18	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**2.3 U**
MW-18 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.51	< 0.50 - 1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 6.3	< 0.50 - 0.82	< 0.20 - 7.7 E
MW-19	06/14/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	06/14/00	SPT	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 1.0	NA
MW-19	07/06/00	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 3.0
MW-19	05/08/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	NA
MW-19	10/22/01	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	04/16/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	04/16/02	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-19	11/20/02	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	06/10/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-19	12/16/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/16/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/09/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/22/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/19/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/13/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/10/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/24/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	12/07/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-19	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	02/07/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-19 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.64	< 0.50	< 0.50 - < 3.0
MW-20	09/23/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**82**	< 0.50	< 0.50	**0.63**	< 0.50	< 0.50	**0.58**	< 0.50	< 2.2
MW-20	10/08/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**68**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/18/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**44**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/29/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	06/24/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/13/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-20	06/21/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/11/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	06/23/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/18/08	ORG	< 0.50	< 0.50	**0.70**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.9**
MW-20	06/25/09	ORG	< 0.50	< 0.50	**0.64**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-2000	06/25/09	FD	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/08/09	ORG	< 0.50	< 0.50	**0.78**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5
MW-20	06/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	12/08/10	ORG	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-20	08/05/11	ORG	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	**0.80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.80**
MW-20	02/07/12	ORG	< 0.50	< 0.50	**0.50**	< 0.50	< 0.50	**2.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/09/12	ORG	< 0.50	< 0.50	**0.53**	< 0.50	< 0.50	**3.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/04/14	ORG	< 0.50	< 0.50	**0.54**	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/03/15	ORG	< 0.50	< 0.50	**0.73**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/12/15	ORG	< 0.50	< 0.50	**0.65**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/02/16	ORG	< 0.50	< 0.50	**0.83**	< 0.50	< 0.50	**0.98**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/02/16	ORG	< 0.50	< 0.50	**0.85**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/07/17	ORG	< 0.50	< 0.50	**0.67**	< 0.50	< 0.50	**0.66**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/08/17	ORG	< 0.50	< 0.50	**0.68**	< 0.50	< 0.50	**0.78**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.81 U**
MW-20	02/28/18	ORG	< 0.50	< 0.50	**0.79**	< 0.50	< 0.50	**3.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.8 U**
MW-20 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.85	< 0.50	< 0.50	< 0.50 - 82	< 0.50	< 0.50	< 0.50 - 0.63	< 0.50	< 0.50	< 0.50 - 0.58	< 0.50	< 0.20 - 3.9
MW-21-200	07/14/03	ORG	< 0.50	< 0.50	< 0.50	**4.4**	< 0.50	**300**	< 0.50	< 0.50	< 0.50	**0.99**	**0.96**	< 0.50	< 0.50	**43**
MW-21	09/23/03	ORG	< 0.50	**0.51**	**2.2**	**26**	< 0.50	**1,300**	**1.3**	**4.3**	**1.1**	**11**	**29**	< 0.50	< 0.50	**160**
MW-2100	09/23/03	FD	< 0.50	**0.53**	**2.4**	**26**	< 0.50	**1,700**	**1.2**	**4.7**	**1.1**	**12**	**29**	< 0.50	< 0.50	**160**
MW-21	09/23/03	SPT	< 1.0	< 1.0	**2**	**24**	**3 E**	**1,400**	**1.0**	**3.0**	< 1.0	**11**	**27**	< 1.0	< 1.0	**340**
MW-21	10/08/03	ORG	< 25	< 25	< 25	< 25	< 25	**1,600**	< 25	< 25	< 25	< 25	**30**	< 25	< 25	**160**
MW-21	12/17/03	ORG	< 0.50	**1.8**	**3.9**	**62**	**6.8**	**3,500**	**2.3**	**12**	**1.6**	**20**	**43**	< 0.50	< 0.50	**150**
MW-2100	12/17/03	FD	< 0.50	**1.8**	**4.1**	**64**	**7.0**	**3,500**	**2.4**	**14**	**1.7**	**21**	**45**	< 0.50	< 0.50	**150**
MW-21	12/17/03	SPT	< 1.0	**1.0**	**4.0**	**58**	**6.0**	**2,800**	**2.0**	**9.0**	**1.0**	**20**	**40**	< 1.0	< 1.0	**290**
MW-21	03/31/04	ORG	< 5.0	< 5.0	< 5.0	**30**	< 5.0	**2,200**	< 5.0	**8.1**	< 5.0	**8.9**	**23**	< 5.0	< 5.0	**64 E**
MW-21	03/31/04	SPT	< 1.0	< 1.0	< 1.0	**30**	< 1.0	**2,100**	< 1.0	< 1.0	< 1.0	< 1.0	**20**	< 1.0	< 1.0	**140 E**
MW-21	06/18/04	ORG	< 5.0	< 5.0	< 5.0	**23**	< 5.0	**1,600**	< 5.0	**6.0**	< 5.0	**6.6**	**22**	< 5.0	< 5.0	**40**
MW-21	09/22/04	ORG	< 5.0	< 5.0	< 5.0	**7.5**	< 5.0	**530**	< 5.0	< 5.0	< 5.0	< 5.0	**22**	< 5.0	< 5.0	**13**
MW-21	12/10/04	ORG	< 5.0	< 5.0	< 5.0	**26**	< 5.0	**1,700**	< 5.0	**5.3**	< 5.0	**8.8**	**30**	< 5.0	< 5.0	**35**
MW-21	03/17/05	ORG	< 0.50	**1.9**	**4.6**	**71**	**8.9**	**4,600**	**2.4**	**12**	**2.0**	**27**	**46**	**0.53**	< 0.50	**300**
MW-2100	03/17/05	FD	< 0.50	**1.8**	**4.3**	**66**	**8.7**	**4,600**	**2.3**	**12**	**1.9**	**27**	**44**	< 0.50	< 0.50	**330**
MW-21	06/22/05	ORG	< 0.50	**1.2**	**2.9**	**42**	**5.9**	**3,000**	**1.9**	**8.2**	< 0.50	**19**	**37**	< 0.50	< 0.50	**210 E**
MW-21	06/22/05	SPT	< 1.0	**1.1**	**2.9**	**42**	**6.2**	**2,400**	**1.7**	**7.2**	**1.2**	**18**	**35**	< 1.0	< 1.0	**1,100 JE**
MW-21	09/22/05	ORG	< 0.50	**0.64**	**1.8**	**26**	**4.4**	**1,700**	**1.4**	**4.0**	< 0.50	**12**	**33**	< 0.50	< 0.50	**250**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-21	12/19/05	ORG	< 0.50	< 0.50	**2.8**	**31**	< 0.50	**4,100**	< 0.50	**7.4**	< 0.50	**10**	**18**	< 0.50	< 0.50	**430**
MW-21	03/23/06	ORG	< 5.0	< 5.0	< 5.0	**52**	< 5.0	**4,000**	< 5.0	**11**	< 5.0	**14**	**30**	< 5.0	< 5.0	**240**
MW-21	03/23/06	SPT	< 0.50	< 3.00	< 3.00	**40**	< 3.00	**2,900**	< 3.00	< 3.00	< 3.00	< 3.00	**30**	< 3.00	< 3.00	**250**
MW-21	06/22/06	ORG	< 0.50	**0.89**	**1.6**	**22**	**2.3**	**2,000**	**1.2**	**8.5**	< 0.50	**6.9**	**31**	< 0.50	< 0.50	**120**
MW-21	06/22/06	SPT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**150**
MW-21	09/27/06	ORG	< 2.5	< 2.5	< 2.5	**17**	< 2.5	**1,400**	< 2.5	**3.3**	< 2.5	**4.2**	**30**	< 2.5	< 2.5	**1,100**
MW-21	12/11/06	ORG	< 0.50	**0.53**	**1.2**	**16**	**2.0**	**1,200**	**1.4**	**3.2**	< 0.50	**5.5**	**31**	< 0.50	< 0.50	**150**
MW-21	12/11/06	SPT	< 7	< 7	< 7	**10 E**	< 7	**1,000**	< 7	< 7	< 7	< 7	**30**	< 7	< 7	**180**
MW-21	03/14/07	ORG	< 2.5	< 2.5	< 2.5	**12 E**	**3.2**	**1,400**	< 2.5	**4.4**	< 2.5	**8.2**	**32**	< 2.5	< 2.5	**330**
MW-2100	03/14/07	FD	< 2.5	< 2.5	< 2.5	**18 E**	**3.2**	**1,400**	< 2.5	**4.3**	< 2.5	**8.6**	**33**	< 2.5	< 2.5	**320**
MW-21	03/14/07	SPT	< 1.0	< 1.0	< 1.0	**20 E**	< 1.0	**1,500**	< 1.0	< 1.0	< 1.0	< 1.0	**30**	< 1.0	< 1.0	**450**
MW-21	06/20/07	ORG	< 1.0	< 1.0	< 1.0	**19**	< 1.0	**1,400**	< 1.0	< 1.0	< 1.0	< 1.0	**35**	< 1.0	< 1.0	**240**
MW-21	09/27/07	ORG	< 0.50	< 0.50	< 0.50	**5.6**	**0.72**	**490**	**1.8**	**1.2**	< 0.50	**2.0**	**36**	< 0.50	< 0.50	**51**
MW-21	12/13/07	ORG	< 0.50	< 0.50	**0.50 U**	**4.8**	< 0.50	**320**	**1.8**	**0.96**	< 0.50	**1.4**	**41**	< 0.50	< 0.50	**47**
MW-2100	12/13/07	FD	< 0.50	< 0.50	**0.50 U**	**5.0**	< 0.50	**620**	**1.7**	**1.0**	< 0.50	**1.4**	**42**	< 0.50	< 0.50	**49**
MW-21	12/13/07	SPT	< 5	< 5	< 5	< 5	< 5	**480**	< 5	< 5	< 5	< 5	**40**	< 5	< 5	**54**
MW-21	06/25/08	ORG	< 5	< 5	< 5	**60**	**6.9**	**4,900**	< 5	**11**	< 5	**20**	**34**	< 5	< 5	**370**
MW-2100	06/25/08	FD	< 5	< 5	< 5	**60**	**7.0**	**5,100**	< 5	**11**	< 5	**20**	**34**	< 5	< 5	**380**
MW-21	06/25/08	SPT	< 5	< 5	< 5	**50**	**6.0**	**3,500**	< 5	**10**	< 5	**20**	**30**	< 5	< 5	**440**
MW-21	07/08/08	ORG	< 10	< 10	< 10	**47**	< 10	**3,500**	< 10	**11**	< 10	**16**	**26**	< 10	< 10	**410**
MW-21	07/09/08	ORG	< 10	< 10	< 10	**54**	< 10	**4,200**	< 10	**10**	< 10	**17**	**25**	< 10	< 10	**360**
MW-21	07/10/08	ORG	< 5	< 5	< 5	**38**	**5.2**	**3,800**	< 5	**12**	< 5	**13**	**23**	< 5	< 5	**330**
MW-21	07/15/08	ORG	< 5	< 5	< 5	**42**	< 5	**3,500**	< 5	**12**	< 5	**13**	**30**	< 5	< 5	**290**
MW-21	07/16/08	ORG	< 5	< 5	< 5	**47**	**5.5**	**4,800**	< 5	**9.7**	< 5	**14**	**26**	< 5	< 5	**310**
MW-21	07/23/08	ORG	< 10	< 10	< 10	**40**	< 10	**3,500**	< 10	< 10	< 10	**13**	**24**	< 10	< 10	**220**
MW-21	07/30/08	ORG	< 10	< 10	< 10	**41**	< 10	**3,400**	< 10	< 10	< 10	**10**	**20**	< 10	< 10	**230**
MW-21	08/06/08	ORG	< 5	< 5	< 5	**32**	< 5	**1,500**	< 5	**7.0**	< 5	**7.7**	**19**	< 5	< 5	**230**
MW-21	08/25/08	ORG	< 5	< 5	< 5	**21**	< 5	**1,800**	< 5	**5.1**	< 5	**6.3**	**16**	< 5	< 5	**150**
MW-21	09/24/08	ORG	< 2.5	< 2.5	< 2.5	**15**	< 2.5	**1,200**	< 2.5	**3.4**	< 2.5	**4.8**	**16**	< 2.5	< 2.5	**100**
MW-21	10/22/08	ORG	< 2.5	< 2.5	< 2.5	**13**	< 2.5	**1,200**	< 2.5	**3.2**	< 2.5	**3.0**	**14**	< 2.5	< 2.5	**95**
MW-21	11/26/08	ORG	< 2.5	< 2.5	< 2.5	**11**	< 2.5	**1,100**	< 2.5	**2.6**	< 2.5	**2.5**	**12**	< 2.5	< 2.5	**74**
MW-21	02/25/09	ORG	< 2.5	< 2.5	< 2.5	**6.6**	< 2.5	**720**	< 2.5	< 2.5	< 2.5	< 2.5	**12**	< 2.5	< 2.5	**83**
MW-21	03/18/09	ORG	< 2.5	< 2.5	< 2.5	**7.7**	< 2.5	**900**	< 2.5	< 2.5	< 2.5	**2.5**	**11**	< 2.5	< 2.5	**54**
MW-21	04/29/09	ORG	< 2.5	< 2.5	< 2.5	**7.8**	< 2.5	**860**	< 2.5	< 2.5	< 2.5	< 2.5	**14**	< 2.5	< 2.5	**65**
MW-21	05/27/09	ORG	< 2.5	< 2.5	< 2.5	**8.4**	< 2.5	**940**	< 2.5	< 2.5	< 2.5	**2.5**	**14**	< 2.5	< 2.5	**71**
MW-21	06/29/09	ORG	< 0.5	< 0.5	**0.64**	**7.4**	**0.81**	**860**	**0.63**	**2.1**	< 0.5	**2.1**	**17**	< 0.5	< 0.5	**68**
MW-21	07/22/09	ORG	< 1.0	< 1.0	< 1.0	**8.4**	< 1.0	**870**	**1.0**	**1.6**	< 1.0	**1.9**	**16**	< 1.0	< 1.0	**65**
MW-21	08/14/09	ORG	< 2.5	< 2.5	< 2.5	**8.8**	< 2.5	**900**	< 2.5	< 2.5	< 2.5	< 2.5	**18**	< 2.5	< 2.5	**72**
MW-21	09/11/09	ORG	< 2.5	< 2.5	< 2.5	**8.3**	< 2.5	**1,100**	< 2.5	< 2.5	< 2.5	< 2.5	**14**	< 2.5	< 2.5	**63**
MW-21	10/08/09	ORG	< 2.5	< 2.5	< 2.5	**9.2**	< 2.5	**830**	< 2.5	< 2.5	< 2.5	< 2.5	**19**	< 2.5	< 2.5	**76**
MW-21	12/09/09	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**200**	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	**11**
MW-21	03/05/10	ORG	< 1.0	< 1.0	< 1.0	**2.9**	< 1.0	**370**	< 1.0	< 1.0	< 1.0	< 1.0	**14**	< 1.0	< 1.0	**21**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-21	06/11/10	ORG	< 2.0	< 2.0	< 2.0	**8.6**	< 2.0	**800**	< 2.0	< 2.0	< 2.0	< 2.0	**22**	< 2.0	< 2.0	**40**
MW-21	06/11/10	SPT	< 1	< 1	< 1	**7.0**	< 1	**850**	< 1	**1.0**	< 1	**2.0**	**21**	< 1	< 1	**47**
MW-21	09/08/10	ORG	< 2.0	< 2.0	< 2.0	**12**	< 2.0	**1,000**	< 2.0	< 2.0	< 2.0	< 2.0	**21**	< 2.0	< 2.0	**74**
MW-21	12/06/10	ORG	< 5.0	< 5.0	< 5.0	**25**	< 5.0	**2,300**	< 5.0	< 5.0	< 5.0	**7.6**	**23**	< 5.0	< 5.0	**250**
MW-21	12/06/10	SPT	< 5	< 5	< 5	**10**	< 5	**1,600**	< 5	< 5	**5.0**	< 5	**10**	< 5	< 5	**360**
MW-21	03/24/11	ORG	< 5.0	< 5.0	< 5.0	**38**	**5.7**	**2,800**	< 5.0	**8.7**	< 5.0	**13**	**23**	< 5.0	< 5.0	**93 E**
MW-21	03/24/11	SPT	< 1	**1.0**	**2.0**	**33**	**4.0**	**2,400**	**2.0**	**6.0**	< 1	**13**	**18**	**2.0**	< 1	**560 E**
MW-21	06/23/11	ORG	< 5.0	< 5.0	< 5.0	**33**	**5.0**	**2,700**	< 5.0	**5.8**	< 5.0	**12**	**24**	< 5.0	< 5.0	**400**
MW-21	06/23/11	SPT	< 1	< 1	**2.0**	**27**	**4.0**	**2,300**	**1.0**	**5.0**	< 1	**10**	**20**	< 1	< 1	**450**
MW-21	08/02/11	ORG	< 5.0	< 5.0	< 5.0	**34**	< 5.0	**2,400**	< 5.0	**5.6**	< 5.0	**11 E**	**24 E**	< 5.0	< 5.0	**360 E**
MW-2100	08/02/11	FD	< 2.5	< 2.5	< 2.5	**34**	**4.4**	**2,000**	< 2.5	**5.4**	< 2.5	**11 E**	**23 E**	< 2.5	< 2.5	**340 E**
MW-21	08/02/11	SPT	< 1.0	< 1.0	**2.0**	**22**	**3.0**	**1,800**	< 1.0	**4.0**	< 1.0	**8 E**	**17 E**	< 1.0	< 1.0	**430**
MW-21	11/01/11	ORG	< 2.5	< 2.5	< 2.5	**29**	**4.9**	**1,600**	< 2.5	**5.6**	< 2.5	**11**	**22**	< 2.5	< 2.5	**390**
MW-21	12/07/11	ORG	< 10	< 10	< 10	**43**	< 10	**3,200**	< 10	< 10	< 10	< 10	**20**	< 10	< 10	**450**
MW-21	01/06/12	ORG	< 10	< 10	< 10	**15**	< 10	**1,400**	< 10	< 10	< 10	< 10	**13**	< 10	< 10	**120**
MW-21	02/08/12	ORG	< 4.0	< 4.0	< 4.0	**8.5**	< 4.0	**520**	< 4.0	< 4.0	< 4.0	< 4.0	**11**	< 4.0	< 4.0	**33**
MW-21	03/09/12	ORG	< 4.0	< 4.0	< 4.0	**8.6**	< 4.0	**860**	< 4.0	< 4.0	< 4.0	< 4.0	**14**	< 4.0	< 4.0	**61**
MW-21	05/07/12	ORG	< 4.0	< 4.0	< 4.0	**6.5**	< 4.0	**490**	< 4.0	< 4.0	< 4.0	< 4.0	**11**	< 4.0	< 4.0	**23**
MW-2100	05/07/12	FD	< 4.0	< 4.0	< 4.0	**6.3**	< 4.0	**480**	< 4.0	< 4.0	< 4.0	< 4.0	**12**	< 4.0	< 4.0	**19**
MW-21	08/06/12	ORG	< 5.0	< 5.0	< 5.0	**10**	< 5.0	**1,300**	< 5.0	< 5.0	< 5.0	< 5.0	**12**	< 5.0	< 5.0	**60**
MW-21	11/05/12	ORG	< 5.0	< 5.0	< 5.0	**24**	< 5.0	**2,000**	< 5.0	**6.1**	< 5.0	**6.8**	**16**	< 5.0	< 5.0	**240**
MW-21	02/04/13	ORG	< 2.5	< 2.5	< 2.5	**33**	**5.8**	**1,900**	< 2.5	**5.1**	< 2.5	**12**	**19**	< 2.5	< 2.5	**480**
MW-21	05/13/13	ORG	< 2.5	< 2.5	< 2.5	**23**	**3.4**	**1,600**	< 2.5	**4.5**	< 2.5	**8.8**	**15**	< 2.5	< 2.5	**450**
MW-21	08/12/13	ORG	< 2.5	< 2.5	< 2.5	**19**	**3.5**	**1,500**	< 2.5	**3.4**	< 2.5	**6.1**	**19**	< 2.5	< 2.5	**370**
MW-21	11/11/13	ORG	< 2.5	< 2.5	< 2.5	**21**	**4.2**	**1,000**	< 2.5	**3.3**	< 2.5	**8.8**	**13**	< 2.5	< 2.5	**430**
MW-21	02/03/13	ORG	< 2.5	< 2.5	< 2.5	**29**	**7.2**	**1,300**	< 2.5	**5.2**	< 2.5	**10**	**17**	< 2.5	< 2.5	**390**
MW-21	08/18/14	ORG	< 2.5	< 2.5	< 2.5	**18**	**3.4**	**1,200**	< 2.5	**3.6**	< 2.5	**7.0**	**18**	< 2.5	< 2.5	**360**
MW-21	11/04/14	ORG	< 0.50	< 0.50	< 0.50	**4.6**	**0.72**	**350**	**1.1**	**0.85**	< 0.50	**1.5**	**19**	< 0.50	< 0.50	**54**
MW-21	02/02/15	ORG	< 2.0	< 2.0	< 2.0	**17**	**2.8**	**1,100**	< 2.0	**3.3**	< 2.0	**7.6**	**18**	< 2.0	< 2.0	**290**
MW-21	05/11/15	ORG	< 2.5	< 2.5	< 2.5	**24**	**4.1**	**1,800**	< 2.5	**5.0**	< 2.5	**10**	**18**	< 2.5	< 2.5	**350**
MW-21	08/10/15	ORG	< 2.5	< 2.5	< 2.5	**17**	**3.6**	**1,300**	< 2.5	**3.8**	< 2.5	**8.4**	**21**	< 2.5	< 2.5	**250**
MW-21	11/02/15	ORG	<2.0	<2.0	<2.0	**17**	**2.6**	**920**	<2.0	**2.3**	<2.0	**7.3**	**16**	<2.0	<2.0	**380**
MW-2100	11/02/15	FD	<2.0	<2.0	<2.0	**17**	**2.3**	**880**	<2.0	**2.6**	<2.0	**7.1**	**18**	<2.0	<2.0	**390**
MW-21	11/02/15	SPT	<0.50	<0.50	**1.2**	**16**	**2.7**	**1,100**	**1.3**	**2.0**	<1.0	**7.8**	**17**	<10	<1.0	**380**
MW-21	02/01/16	ORG	< 5.0	< 5.0	< 5.0	**25**	< 5.0	**1,700**	< 5.0	< 5.0	< 5.0	**7.9**	**17**	< 5.0	< 5.0	**270**
MW-21	05/02/16	ORG	<2.0	<2.0	<2.0	**22**	**3.6**	**1,400**	<2.0	**4.1**	<2.0	**11**	**20**	<2.0	<2.0	**220**
MW-21	08/01/16	ORG	< 2.5	< 2.5	< 2.5	**27**	**4.2**	**1,500**	< 2.5	**4.5**	< 2.5	**11**	**20**	< 2.5	< 2.5	**250**
MW-21	11/07/16	ORG	< 2.5	< 2.5	< 2.5	**24**	**3.2**	**1,400**	< 2.5	**2.6**	< 2.5	**9.0**	**18**	< 2.5	< 2.5	**220**
MW-21	02/06/17	ORG	< 2.5	< 2.5	< 2.5	**32**	**4.9**	**2,300**	< 2.5	**6.0**	< 2.5	**13**	**16**	< 2.5	< 2.5	**230**
MW-21	05/15/17	ORG	< 5.0	< 5.0	< 5.0	**15**	< 5.0	**1,200**	< 5.0	**4.1 J**	< 5.0	**4.9 J**	**12**	< 5.0	< 5.0	**140**
MW-21	08/07/17	ORG	< 0.50	< 0.50	< 0.50	**24**	**3.3 J**	**1,700**	< 0.50	**5.4**	< 0.50	**7.5**	**14**	< 0.50	< 0.50	**180**
MW-21	11/06/17	ORG	< 5.0	< 5.0	< 5.0	**15**	< 5.0	**1,500**	< 5.0	**5.8**	< 5.0	**5.5**	**10**	< 5.0	< 5.0	**120 E**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-2100	11/06/17	FD	< 2.5	< 2.5	**1.6 J**	**19**	**2.2 J**	**1,300**	< 2.5	**5.5**	< 2.5	**5.6**	**11**	< 2.5	< 2.5	**130 E**
MW-21	11/06/17	SPT	< 0.50	**0.47 J**	**1.7**	**24**	**3.2**	**1,900**	**1.2**	**5.7**	<1.0	**7.7**	**12**	< 10	< 1.0	**210 E**
MW-21	02/27/18	ORG	< 2.5	< 2.5	< 2.5	**8.0**	< 2.5	**740**	< 2.5	**3.2**	< 2.5	**2.2 J**	**8.8**	< 2.5	< 2.5	**49 E**
MW-2100	02/27/18	FD	< 2.5	< 2.5	< 2.5	**7.8**	< 2.5	**750**	< 2.5	**2.6**	< 2.5	**2.8**	**8.6**	< 2.5	< 2.5	**49 E**
MW-21	02/27/18	SPT	< 2.5	< 2.5	< 5.0	**7.5**	< 2.5	**880**	< 5.0	**2.8 J**	< 5.0	**2.3 J**	**9.9**	< 50	< 5.0	**70 E**
MW-21 Historical Range* **			< 0.50 - < 25	< 0.50 - 1.9	< 0.50 - 4.6	< 0.50 - 71	< 0.50 - 8.9	200 - 4,900	< 0.50 - 2.4	< 0.50 - 12	< 0.50 - 2.0	< 0.50 - 27	0.96 - 46	< 0.50 - 0.53	< 0.50 - < 10	11 - 1,100
MW-22-203	07/28/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-22	09/23/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-22	10/08/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-22	12/15/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/30/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/14/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/21/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/07/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/14/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/20/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/18/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/20/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/26/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/13/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/12/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/25/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/10/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/23/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/22/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/09/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	12/07/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-22	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-22	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-22	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-22	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-22 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.2 - < 2.0
MW-23-199	08/12/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5
MW-23	09/23/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-23	10/08/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-23	12/15/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/29/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/15/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-23	09/20/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/07/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/14/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	09/20/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/18/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	09/26/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/12/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/12/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	09/24/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/11/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	09/23/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/23/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	12/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	02/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-23 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5 - < 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
MW-24	09/23/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-2400	09/23/04	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	09/23/04	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
MW-24	10/19/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/07/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-2400	12/07/04	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	03/14/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	06/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	09/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/18/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	03/20/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	09/26/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/13/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	03/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**
MW-24	06/20/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-2400	06/20/07	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	06/20/07	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1
MW-24	09/25/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/11/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	03/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	06/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	09/24/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	03/16/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	06/24/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	09/02/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	03/03/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-24	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**
MW-24	03/30/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-24 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 2.7
MW-26A	10/20/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26A	11/10/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26A	12/08/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-26A	12/08/04	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/16/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	06/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	09/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	12/18/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	06/20/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	09/27/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	12/12/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	09/25/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	12/10/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	06/23/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	09/24/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	12/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/18/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	06/23/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	09/02/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	12/09/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	12/07/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A	03/25/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26A Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26B	10/20/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26B	11/10/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26B	12/08/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/08/04	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/16/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	06/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	09/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/18/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	06/20/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	09/27/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/12/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	06/18/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-26B	09/25/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/10/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	06/23/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	09/24/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/18/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	06/23/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	09/02/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/09/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	12/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B	03/25/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26B Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	10/19/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	11/10/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	12/07/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-2600C	12/07/04	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-26C	03/16/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.1
MW-26C	06/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	09/21/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	12/18/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	03/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	06/20/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	09/27/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	12/12/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	03/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	06/19/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-2600C	06/19/07	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1
MW-26C	06/19/07	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	09/25/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	12/11/07	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**100**	< 0.50	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	< 0.50	**57**
MW-26C	12/20/07	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	**55 E**
MW-2600C	12/20/07	FD	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	< 0.50	< 0.50	**34 U**
MW-26C	12/20/07	SPT	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**100**	< 0.50	< 0.50	< 0.50	**0.80**	< 0.50	< 0.50	< 0.50	**76 E**
MW-26C	01/21/08	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	< 0.50	< 0.50	**75**
MW-26C	02/21/08	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**71**	< 0.50	**0.79**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**36**
MW-26C	03/19/08	ORG	< 0.50	< 0.50	< 0.50	**0.61**	< 0.50	**46**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**37 E**
MW-2600C	03/19/08	FD	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	**46**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31 U**
MW-26C	03/19/08	SPT	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	**44**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22 U**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-26C	04/21/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
MW-26C	05/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**38**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
MW-26C	06/24/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**
MW-26C	07/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.3**
MW-26C	08/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**
MW-26C	09/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1 BU**
MW-26C	12/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.5**
MW-26C	03/18/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	06/23/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	09/02/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**
MW-26C	12/09/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	< 2.0
MW-26C	12/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	< 2.0
MW-26C	03/25/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	**0.91**
MW-26C	06/24/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.9**	< 0.20
MW-26C	08/04/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.7**	**0.34**
MW-26C	11/01/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.1**	< 0.20
MW-26C	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.5**	< 0.20
MW-26C	05/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.6**	< 0.20
MW-26C	08/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.95**	< 0.20
MW-26C	11/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	02/08/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	05/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	08/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	08/19/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	11/11/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	08/20/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	11/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-26C	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	11/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 1.7	< 0.50	< 0.50 - 120	< 0.50	< 0.50 - 0.79	< 0.50	< 0.50 - 0.77	< 0.50	< 0.50	< 0.50 - 22	< 0.20 - 57

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
MW-27	05/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-2700	05/27/08	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	05/27/08	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1
MW-27	06/10/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	06/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	07/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	08/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	09/23/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	12/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	06/22/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	12/09/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	12/07/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-27	03/30/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.24**
MW-27	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27	02/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27	02/06/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27	03/02/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-27 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 0.24
MW-28	05/16/08	ORG	< 0.50	< 0.50	< 0.50	**0.94**	< 0.50	**76 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
MW-2800	05/16/08	FD	< 0.50	< 0.50	< 0.50	**0.98**	< 0.50	**78 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
MW-28	05/16/08	SPT	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**45 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**
MW-28	05/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.2**
MW-28	06/27/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.3**
MW-28	07/17/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**
MW-28	08/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-28	09/25/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.2 BE**
MW-28	12/18/08	ORG	< 0.50	< 0.50	< 0.50	**0.70**	< 0.50	**60**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
MW-28	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**41**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**
MW-28	06/23/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**28**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.2**
MW-28	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.1**
MW-2800	09/01/09	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**33**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.4**
MW-28	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.5**
MW-28	03/04/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.0**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-28	06/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**
MW-2800	06/09/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**
MW-28	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**
MW-28	12/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-28	03/30/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**
MW-28	06/21/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.49**
MW-28	08/05/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.53**
MW-28	11/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.30**
MW-28	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.84**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	05/11/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.99**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.22**
MW-28	08/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	11/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**
MW-28	02/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	05/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	08/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**
MW-28	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**
MW-28	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.84**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.25**
MW-28	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	08/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.8**
MW-28	11/05/14	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**43**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
MW-28	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.3**
MW-2800	02/05/15	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.4**
MW-28	02/05/15	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**6.1**
MW-28	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.99**
MW-28	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**
MW-28	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.31**
MW-28	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-28	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	11/09/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.84**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.32 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-28	08/10/17	ORG	< 0.50	< 0.50	**0.20 J**	< 0.50	< 0.50	**0.68**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	11/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.49 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**
MW-28 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.20	< 0.50 - 0.94	< 0.50	<0.50 - 76 E	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 19
MW-29	08/26/08	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	**0.50**	**0.60**	< 0.50	< 0.50	**54**
MW-2900	08/26/08	FD	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	< 0.50	**55**
MW-29	08/26/08	SPT	< 1	< 1	< 1	**1.0**	< 1	**120**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**67**
MW-29	09/25/08	ORG	< 0.50	< 0.50	< 0.50	**1.2 E**	< 0.50	**110 E**	< 0.50	< 0.50	< 0.50	< 0.50	**0.74 E**	< 0.50	< 0.50	**26 BE**
MW-2900	09/25/08	FD	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**99**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	**32 BE**
MW-29	09/25/08	SPT	< 1	< 1	< 1	**1.0**	< 1	**100**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**40 E**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-29	12/18/08	ORG	< 1.0	< 1.0	< 1.0	**4.7**	**1.0**	**400**	< 1.0	**1.3**	< 1.0	**1.4**	**4.3**	< 1.0	< 1.0	**98**
MW-2900	12/18/08	FD	< 1.0	< 1.0	< 1.0	**4.5**	**1.0**	**390**	< 1.0	**1.3**	< 1.0	**1.5**	**4.3**	< 1.0	< 1.0	**110**
MW-29	03/17/09	ORG	< 0.50	< 0.50	**0.62**	**5.2**	**1.0**	**530**	< 0.50	**1.5**	< 0.50	**1.9**	**4.0**	**0.81**	< 0.50	**110**
MW-2900	03/17/09	FD	< 0.50	< 0.50	**0.60**	**5.0**	**1.0**	**550**	< 0.50	**1.4**	< 0.50	**1.9**	**4.0**	**0.78**	< 0.50	**100**
MW-29	06/24/09	ORG	< 0.50	< 0.50	< 0.50	**2.7**	**0.55**	**320**	< 0.50	**1.1**	< 0.50	**0.91**	**3.3**	**0.60**	< 0.50	**84**
MW-29	09/02/09	ORG	< 0.50	< 0.50	< 0.50	**2.7**	**0.57**	**310**	< 0.50	**0.97**	< 0.50	**0.93**	**3.4**	**0.62**	< 0.50	**71**
MW-2900	09/02/09	FD	< 0.50	< 0.50	< 0.50	**3.0**	**0.64**	**340**	< 0.50	**1.0**	< 0.50	**0.89**	**3.6**	**0.68**	< 0.50	**75**
MW-29	12/10/09	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.50**	**290**	< 0.50	**0.97**	< 0.50	**0.84**	**3.5**	**0.54**	< 0.50	**74**
MW-29	03/04/10	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.52**	**340**	< 0.50	**1.2**	< 0.50	**0.73**	**3.6**	**0.61**	< 0.50	**95**
MW-2900	03/04/10	FD	< 0.50	< 0.50	< 0.50	**3.0**	**0.50**	**320**	< 0.50	**1.1**	< 0.50	**0.64**	**3.9**	**0.58**	< 0.50	**96**
MW-29	06/09/10	ORG	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	**300**	< 0.50	**0.85**	< 0.50	**0.73**	**3.2**	**0.65**	< 0.50	**61**
MW-29	09/09/10	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	< 0.50	**30**
MW-29	12/07/10	ORG	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**200**	< 0.50	**0.71**	< 0.50	**0.55**	**3.2**	< 0.50	< 0.50	**41**
MW-2900	12/07/10	FD	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**220**	< 0.50	**0.71**	< 0.50	**0.53**	**3.1**	< 0.50	< 0.50	**43**
MW-29	03/30/11	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**200**	< 0.50	**0.77**	< 0.50	**0.56**	**3.6**	**0.51**	< 0.50	**29**
MW-29	06/21/11	ORG	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**220**	< 0.50	**0.85**	< 0.50	**0.55**	**4.5**	**0.71**	< 0.50	**30**
MW-29	08/05/11	ORG	< 0.50	< 0.50	**0.63**	**3.6**	**0.55**	**330**	**0.61**	**0.87**	< 0.50	**0.76**	**5.6**	**1.2**	< 0.50	**45 E**
MW-2900	08/05/11	FD	< 0.50	< 0.50	**0.62**	**3.6**	**0.54**	**370**	**0.57**	**0.84**	< 0.50	**0.75**	**5.7**	**1.2**	< 0.50	**54 E**
MW-29	08/05/11	SPT	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	**270**	< 1.0	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	< 1.0	**82 E**
MW-29	11/03/11	ORG	< 0.50	< 0.50	**0.80**	**7.8**	**1.4**	**804**	**0.60**	**1.3**	< 0.50	**2.3**	**6.0**	**1.0**	< 0.50	**301**
MW-29	02/09/12	ORG	< 5.0	< 5.0	< 5.0	**9.2**	< 5.0	**900 E**	< 5.0	< 5.0	< 5.0	< 5.0	**7.5**	< 5.0	< 5.0	**130 E**
MW-2900	02/09/12	FD	< 5.0	< 5.0	< 5.0	**9.0**	< 5.0	**910 E**	< 5.0	< 5.0	< 5.0	< 5.0	**7.1**	< 5.0	< 5.0	**120 E**
MW-29	02/09/12	SPT	< 1.0	< 1.0	< 1.0	**5.0**	< 1.0	**380 E**	< 1.0	**1.0**	**1.0**	**2.0**	**4.0**	**1.0**	< 1.0	**340 E**
MW-29	05/11/12	ORG	< 4.0	< 4.0	< 4.0	**8.3**	< 4.0	**780**	< 4.0	**5.7**	< 4.0	< 4.0	**6.2**	< 4.0	< 4.0	**300**
MW-2900	05/11/12	FD	< 5.0	< 5.0	< 5.0	**8.5**	< 5.0	**830**	< 5.0	< 5.0	< 5.0	< 5.0	**5.3**	< 5.0	< 5.0	**280**
MW-29	05/11/12	SPT[E]	< 1	< 1	< 1	**5.0**	**1.0**	**550**	< 1	**1.0**	< 1	**2.0**	**4.0**	**1.0**	< 1	**300**
MW-29	05/11/12	SPT[C]	< 0.50	< 0.50	< 1.0	**6.0**	**1.1**	**730**	< 1.0	**1.1**	< 1.0	**2.1**	**4.6**	< 10	< 1.0	**290**
MW-29	08/06/12	ORG	< 1.0	< 1.0	< 1.0	**3.8**	< 1.0	**440**	< 1.0	**1.2**	< 1.0	**1.1**	**2.2**	**1.0**	< 1.0	**110**
MW-29	11/07/12	ORG	< 1.0	< 1.0	< 1.0	**4.6**	**1.2**	**560**	< 1.0	**6.6**	< 1.0	**1.6**	**5.0**	**1.7**	< 1.0	**250**
MW-29	02/07/13	ORG	< 1.0	< 1.0	< 1.0	**3.8**	< 1.0	**410**	< 1.0	**1.0**	< 1.0	**1.2**	**8.3**	**1.9**	< 1.0	**130**
MW-2900	02/07/13	FD	< 1.0	< 1.0	< 1.0	**3.7**	**1.0**	**370**	< 1.0	**1.0**	< 1.0	**1.1**	**8.2**	**2.0**	< 1.0	**130**
MW-29	02/07/13	SPT	< 1.0	< 1.0	< 2.0	**2.6**	< 1.0	**290**	< 2.0	< 2.0	< 2.0	**3.0**	**7.3**	< 2.0	< 2.0	**160**
MW-29	05/15/13	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.63**	**310**	< 0.50	**1.0**	< 0.50	**1.1**	**4.4**	**1.4**	< 0.50	**140**
MW-29	08/15/13	ORG	< 0.50	< 0.50	< 0.50	**3.6**	**0.59**	**370**	< 0.50	**0.97**	< 0.50	**1.1**	**3.8**	**1.2**	< 0.50	**120**
MW-2900	08/15/13	FD	< 0.50	< 0.50	< 0.50	**3.9**	**0.64**	**400**	< 0.50	**0.84**	< 0.50	**1.1**	**4.0**	**1.3**	< 0.50	**120**
MW-29	08/15/13	SPT	< 1.0	< 1.0	< 2.0	**3.2**	< 1.0	**290**	< 2.0	< 2.0	< 2.0	< 2.0	**4.6**	< 20	< 2.0	**170**
MW-29	11/13/13	ORG	< 0.50	< 0.50	**0.53**	**3.4**	**0.63**	**260**	< 0.50	**0.81**	< 0.50	**1.1**	**5.9**	**1.8**	< 0.50	**99**
MW-29	02/07/14	ORG	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	**290**	< 0.50	**1.3**	< 0.50	**1.1**	**6.1**	**1.9**	< 0.50	**130**
MW-29	08/18/14	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**180**	< 0.50	**0.58**	< 0.50	**0.79**	**4.4**	**1.0**	< 0.50	**73**
MW-2900	08/18/14	FD	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**170**	< 0.50	**0.73**	< 0.50	**0.80**	**4.3**	**0.99**	< 0.50	**74**
MW-29	08/18/14	SPT	< 0.50	< 0.50	< 1.0	< 0.50	**2.0**	**160**	< 1.0	< 1.0	< 1.0	< 1.0	**4.1**	< 10	< 1.0	**69 ET**
MW-29	11/03/14	ORG	**0.57**	< 0.50	< 0.50	**2.6**	**0.55**	**240**	< 0.50	**0.78**	< 0.50	**0.89**	**4.6**	**1.1**	< 0.50	**97**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)												Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-29	02/13/15	ORG	< 0.50	< 0.50	**0.60**	**4.4**	**0.94**	**460**	< 0.50	**1.3**	< 0.50	**1.5**	**4.8**	**1.9**	< 0.50	**180**
MW-29	03/06/15	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**0.61**	**300**	< 0.50	**1.1**	< 0.50	**1.1**	**3.7**	**1.4**	< 0.50	**120**
MW-29	04/02/15	ORG	< 0.50	< 0.50	< 0.50	**3.3**	**0.64**	**290**	< 0.50	**1.1**	< 0.50	**1.1**	**4.1**	**1.6**	< 0.50	**140**
MW-29	05/01/15	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.70**	**360**	< 0.50	**0.98**	< 0.50	**0.95**	**3.6**	**1.5**	< 0.50	**130**
MW-29	06/05/15	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.67**	**370**	< 0.50	**1.0**	< 0.50	**0.98**	**3.5**	**1.7**	< 0.50	**130**
MW-29	07/14/15	ORG	< 0.50	< 0.50	< 0.50	**3.2**	**0.59**	**360**	< 0.50	**0.76**	< 0.50	**0.99**	**3.8**	**1.3**	< 0.50	**110**
MW-29	08/06/15	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.75**	**330**	< 0.50	**1.0**	< 0.50	**1.0**	**3.7**	**1.2**	< 0.50	**130**
MW-29	09/03/15	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**0.76**	**390**	< 0.50	**0.97**	< 0.50	**0.94**	**3.8**	**1.4**	< 0.50	**150**
MW-29	10/06/15	ORG	< 0.50	< 0.50	**0.52**	**3.7**	**0.62**	**360**	< 0.50	**0.87**	< 0.50	**1.2**	**3.6**	**1.9**	< 0.50	**130**
MW-29	11/05/15	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.67**	**350**	< 0.50	**0.89**	< 0.50	**1.1**	**3.2**	**1.4**	< 0.50	**120**
MW-29	12/03/15	ORG	< 0.50	< 0.50	**0.52**	**3.7**	**0.82**	**450**	< 0.50	**1.2**	< 0.50	**1.3**	**4.1**	**2.0**	< 0.50	**170**
MW-29	12/11/15	ORG	< 0.50	< 0.50	**0.53**	**5.3**	**0.79**	**480**	< 0.50	**1.0**	< 0.50	**1.2**	**3.6**	**1.8**	< 0.50	**100**
MW-29	01/07/16	ORG	< 0.50	< 0.50	< 0.50	**4.3**	**0.79**	**440**	< 0.50	**0.96**	< 0.50	**1.1**	**2.6**	**2.1**	< 0.50	**110**
MW-29	01/21/16	ORG	< 0.50	< 0.50	< 0.50	**4.0**	**0.85**	**410**	< 0.50	**0.95**	< 0.50	**1.1**	**2.6**	**1.8**	< 0.50	**110**
MW-29	02/01/16	ORG	< 0.50	< 0.50	**0.56**	**4.6**	**0.88**	**500**	< 0.50	**0.92**	< 0.50	**0.97**	**2.5**	**2.2**	< 0.50	**110**
MW-29	03/03/16	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.65**	**330**	< 0.50	**0.87**	< 0.50	**0.97**	**2.9**	**1.1**	< 0.50	**120**
MW-29	04/05/16	ORG	< 0.50	< 0.50	< 0.50	**3.9**	< 0.50	**330**	< 0.50	**0.90**	< 0.50	**1.1**	**2.5**	**1.2**	< 0.50	**91**
MW-29	05/05/16	ORG	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	**380**	< 0.50	**0.96**	< 0.50	**1.2**	**2.6**	**1.0**	< 0.50	**94**
MW-29	06/01/16	ORG	< 0.50	< 0.50	< 0.50	**3.5**	**0.62**	**250**	< 0.50	**0.96**	< 0.50	**0.98**	**3.5**	**1.7**	< 0.50	**130**
MW-29	06/16/16	ORG	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	**240**	< 0.50	**1.1**	< 0.50	**1.2**	**2.5**	< 0.50	< 0.50	**82**
MW-29	07/07/16	ORG	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	**310**	< 0.50	< 0.50	< 0.50	**1.1**	**3.1**	**1.5**	< 0.50	**95**
MW-29	07/21/16	ORG	< 0.50	< 0.50	**0.54**	**4.1**	< 0.50	**410**	< 0.50	< 0.50	< 0.50	**1.1**	**2.8**	**1.5**	< 0.50	**81**
MW-29	08/04/16	ORG	< 0.50	< 0.50	< 0.50	**3.3**	**0.57**	**250**	< 0.50	**0.88**	< 0.50	**1.0**	**3.1**	**1.2**	< 0.50	**77**
MW-29	08/18/16	ORG	< 0.50	< 0.50	< 0.50	**2.6**	**0.51**	**250**	< 0.50	**0.63**	< 0.50	**0.90**	**2.5**	**0.66**	< 0.50	**86**
MW-29	09/08/16	ORG	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	**340**	< 0.50	**0.67**	< 0.50	**0.83**	**2.7**	**0.98**	< 0.50	**77**
MW-29	09/15/16	ORG	< 0.50	< 0.50	< 0.50	**2.4**	**0.52**	**250**	< 0.50	**0.71**	< 0.50	< 0.50	**2.5**	**0.71**	< 0.50	**78**
MW-29	10/06/16	ORG	< 0.50	< 0.50	< 0.50	**2.7**	**0.51**	**280**	< 0.50	**0.82**	< 0.50	**0.87**	**2.7**	**1.3**	< 0.50	**72**
MW-29	10/20/16	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**240**	< 0.50	**0.81**	< 0.50	< 0.50	**2.2**	**1.1**	< 0.50	**71**
MW-29	11/01/16	ORG	< 0.50	< 0.50	< 0.50	**2.6**	**0.62**	**360**	< 0.50	**0.84**	< 0.50	**0.63**	**2.7**	**1.6**	< 0.50	**6.6 U**
MW-29	11/17/16	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**0.53**	**260**	< 0.50	**0.65**	< 0.50	**0.92**	**2.7**	**1.1**	< 0.50	**79**
MW-29	12/01/16	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**220**	< 0.50	**0.53**	< 0.50	**0.77**	**2.0**	**0.72**	< 0.50	**85**
MW-29	12/16/16	ORG	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	**240**	< 0.50	**0.59**	< 0.50	**0.93**	**2.1**	**0.98**	< 0.50	**6.3 U**
MW-29	01/06/17	ORG	< 0.50	< 0.50	< 0.50	**3.5**	**0.70**	**260**	< 0.50	**0.60**	< 0.50	**1.1**	**1.7**	**0.80**	< 0.50	**110**
MW-29	01/26/17	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**0.68**	**330**	< 0.50	**0.84**	< 0.50	**1.2**	**1.8**	**0.78**	< 0.50	**130**
MW-29	02/09/17	ORG	< 0.50	< 0.50	< 0.50	**2.9**	**0.65**	**320**	< 0.50	**0.70**	< 0.50	**0.90**	**1.8**	**1.1**	< 0.50	**110**
MW-29	02/16/17	ORG	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	**220**	< 0.50	**0.70**	< 0.50	**0.98**	**1.7**	**0.81**	< 0.50	**81**
MW-29	03/02/17	ORG	< 0.50	< 0.50	< 0.50	**2.5**	**0.53**	**250**	< 0.50	**0.72**	< 0.50	**0.88**	**1.4**	**0.86**	< 0.50	**78**
MW-29	03/16/17	ORG	< 0.50	< 0.50	< 0.50	**2.4**	**0.51**	**250**	< 0.50	**0.85**	< 0.50	**1.0**	**1.6**	**0.69**	< 0.50	**95**
MW-29	04/06/17	ORG	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**190**	< 0.50	< 0.50	< 0.50	**0.80**	**1.4**	< 0.50	< 0.50	**55**
MW-29	04/20/17	ORG	< 0.50	< 0.50	< 0.50	**2.4**	**0.57**	**220**	< 0.50	**0.88**	< 0.50	**0.96**	**1.2**	**0.59**	< 0.50	**67**
MW-29	05/04/17	ORG	< 0.50	< 0.50	< 0.50	**2.7**	< 0.50	**240**	< 0.50	**0.97**	< 0.50	**1.0**	**1.3**	**0.66**	< 0.50	**2.7 U**
MW-29	05/18/17	ORG	< 0.50	< 0.50	**0.25 J**	**2.0**	**0.40 J**	**210**	**0.20 J**	**0.77**	< 0.50	**0.78**	**1.6**	**0.47 J**	< 0.50	**87**
MW-29	06/01/17	ORG	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	**220**	< 0.50	**0.63**	< 0.50	**0.87**	**1.4**	< 0.50	< 0.50	**75**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-29	06/15/17	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**190**	< 0.50	**0.70**	< 0.50	**0.73**	**1.5**	< 0.50	< 0.50	**72**
MW-29	07/06/17	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**230**	< 0.50	**0.66**	< 0.50	**0.77**	**1.7**	< 0.50	< 0.50	**75**
MW-29	07/20/17	ORG	< 0.50	< 0.50	< 0.50	**2.3**	**0.52**	**240**	< 0.50	**0.71**	< 0.50	**0.83**	**1.9**	**0.64**	< 0.50	**79**
MW-29	08/03/17	ORG	< 0.50	< 0.50	< 0.50	**2.8**	**0.56**	**250**	< 0.50	**0.77**	< 0.50	**0.86**	**2.0**	< 0.50	< 0.50	**73**
MW-29	08/17/17	ORG	< 0.50	< 0.50	< 0.50	**2.3**	**0.57**	**160**	< 0.50	**0.84**	< 0.50	**0.93**	**2.1**	< 0.50	< 0.50	**68**
MW-29	09/01/17	ORG	< 0.50	< 0.50	< 0.50	**2.0**	**0.51**	**200**	< 0.50	**0.83**	< 0.50	**0.81**	**1.9**	< 0.50	< 0.50	**73**
MW-29	09/14/17	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**160**	< 0.50	**0.98**	< 0.50	**0.70**	**1.9**	< 0.50	< 0.50	**82**
MW-29	10/06/17	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.49	**140**	< 0.50	**0.52**	< 0.50	**0.58**	**1.2**	< 0.50	< 0.50	**59**
MW-29	10/19/17	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	**0.56**	**1.1**	< 0.50	< 0.50	**44**
MW-29	11/06/17	ORG	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	**110**	< 0.50	**0.57**	< 0.50	< 0.50	**1.0**	< 0.50	< 0.50	**31**
MW-29	11/20/17	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**120**	< 0.50	**0.56**	< 0.50	< 0.50	**1.0**	< 0.50	< 0.50	**47**
MW-29	12/04/17	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**110**	< 0.50	**0.59**	< 0.50	**0.50**	**0.73**	< 0.50	< 0.50	**42**
MW-29	12/14/17	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**99**	< 0.50	**0.60**	< 0.50	< 0.50	**0.99**	< 0.50	< 0.50	**53**
MW-29	01/04/18	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	< 0.50	**32**
MW-29	01/18/18	ORG	< 0.50	< 0.50	< 0.50	**0.82**	< 0.50	**85**	< 0.50	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	< 0.50	**31**
MW-29	02/01/18	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**170**	< 0.50	**0.52**	< 0.50	**0.62**	**1.4**	**0.74**	< 0.50	**44**
MW-29	02/15/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	**0.60**	**1.5**	**0.55**	< 0.50	**55**
Historical High/Low								**Low**								
MW-29 Historical Range* **			< 0.50 - 0.57	< 0.50 - < 5.0	< 0.50 - 0.80	0.77 - 9.2	< 0.50 - 1.4	99 - 900 E	< 0.50 - 0.61	< 0.50 - 6.6	< 0.50 - < 5.0	< 0.50 - 2.3	0.58 - 8.3	< 0.50 - 2.2	< 0.50 - < 5.0	26 BE - 301
MW-30A	12/18/08	ORG	< 0.50	< 0.50	< 0.50	**2.9**	**0.67**	**270**	< 0.50	**0.58**	< 0.50	**1.1**	**0.72**	< 0.50	< 0.50	**86**
MW-30A	12/18/08	SPT	< 1	< 1	< 1	**3.0**	< 1	**290**	< 1	< 1	< 1	**1.0**	< 1	< 1	< 1	**110**
MW-30A	01/07/09	ORG	< 0.50	< 0.50	< 0.50	**2.5**	**0.57**	**270**	< 0.50	**0.52**	< 0.50	**0.95**	**0.52**	< 0.50	< 0.50	**95**
MW-30A	03/17/09	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**140 E**	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	< 0.50	< 0.50	**53**
MW-30A	03/17/09	SPT	< 1	< 1	< 1	< 1	< 1	**69 E**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**40**
MW-30A	06/23/09	ORG	< 0.50	< 0.50	< 0.50	**0.89**	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**
MW-30A	06/23/09	SPT	< 1	< 1	< 1	< 1	< 1	**79**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**38**
MW-30A	09/02/09	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**46**
MW-30A	09/02/09	SPT	< 1	< 1	< 1	**1.0**	< 1	**110**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**54**
MW-30A	12/10/09	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**92**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**36**
MW-30A	03/03/10	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**85 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**43**
MW-3000A	03/03/10	FD	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**65 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**41**
MW-30A	06/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**24**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
MW-30A	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**
MW-30A	12/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-30A	03/30/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.44**
MW-30A	06/21/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.21**
MW-30A	08/05/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.93**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-30A	11/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.30**
MW-30A	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.66**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	05/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	08/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	< 0.20
MW-30A	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.84**	< 0.50	< 0.50	< 0.50	< 0.50	**0.98**	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-30A	01/03/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	< 0.20
MW-30A	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	02/06/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-30A	05/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.69**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	08/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.20
MW-30A	11/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	< 0.50	< 0.20
MW-30A	02/07/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	< 0.20
MW-30A	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.86**	< 0.50	< 0.50	< 0.20
MW-30A	08/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.1**	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	< 0.50	**2.1**
MW-30A	11/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.8**	< 0.50	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	**1.9**
MW-30A	02/06/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	< 0.50	< 0.20
MW-30A	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	< 0.50	< 0.20
MW-30A	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.99**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.23**
MW-30A	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	< 0.50	< 0.20
MW-30A	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-30A	08/10/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	11/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 2.9	< 0.50 - 0.67	< 0.50 - 270	< 0.50	< 0.50 - 0.58	< 0.50	< 0.50 - 1.1	< 0.50 - 1.9	< 0.50	< 0.50	< 0.20 - 95
MW-30B	12/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.1**	**1.3**	< 0.50	< 0.50	< 0.50	**26**	< 0.50	< 0.50	< 2.0
MW-30B	12/18/08	SPT	< 1	< 1	< 1	< 1	< 1	**4.0**	**1.0**	< 1	< 1	< 1	**24**	< 1	< 1	< 1
MW-30B	01/07/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-30B	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.0**	**2.0**	< 0.50	< 0.50	< 0.50	**35**	< 0.50	< 0.50	**28E**
MW-30B	03/17/09	SPT	< 1	< 1	< 1	< 1	< 1	**5.0**	**2.0**	< 1	< 1	< 1	**30**	< 1	< 1	< 1E
MW-30B	06/23/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.91**	< 0.50	< 0.50	< 2.0
MW-30B	06/23/09	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-30B	09/02/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.96**	< 0.50	< 0.50	< 2.0
MW-30B	09/02/09	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-30B	12/10/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	**0.67**	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 2.0
MW-3000B	12/10/09	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	**0.70**	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 2.0
MW-30B	12/10/09	SPT	< 1	< 1	< 1	< 1	< 1	**1.0**	< 1	< 1	< 1	< 1	**10**	< 1	< 1	< 1
MW-30B	03/30/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.50	< 0.50	**9.4**	< 0.50	< 0.50	< 2.0
MW-30B	06/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**	**4.3**	< 0.50	< 0.50	< 0.50	**78**	< 0.50	< 0.50	< 2.0
MW-30B	09/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**	**3.4**	< 0.50	< 0.50	< 0.50	**65**	< 0.50	< 0.50	< 2.0
MW-3000B	09/08/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**	**3.7**	< 0.50	< 0.50	< 0.50	**70**	< 0.50	< 0.50	< 2.0
MW-30B	12/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.9**	**2.8**	< 0.50	< 0.50	< 0.50	**49**	< 0.50	< 0.50	< 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-30B	06/21/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	**4.3**	< 0.50	< 0.50	< 0.50	**87**	< 0.50	**3.5**	**0.56**
MW-30B	08/05/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18 E**	**5.6**	< 0.50	< 0.50	< 0.50	**87**	< 0.50	**4.5**	< 0.20
MW-3000B	08/05/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19 E**	**5.6**	< 0.50	< 0.50	< 0.50	**87**	< 0.50	**4.7**	< 0.20
MW-30B	08/05/11	SPT	< 1	< 1	< 1	< 1	< 1	**10 E**	**3.0**	< 1	< 1	< 1	**73**	< 1	**3.0**	< 1
MW-30B	11/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13.6**	**4.2**	< 0.50	< 0.50	< 0.50	**80.7**	< 0.50	**3.2**	**0.40**
MW-3000B	11/02/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13.7**	**4.4**	< 0.50	< 0.50	< 0.50	**82.6**	< 0.50	**2.8**	**0.40**
MW-30B	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	**4.2**	< 0.50	< 0.50	< 0.50	**75**	< 0.50	< 0.50	**0.30**
MW-30B	02/09/12	SPT	< 1	< 1	< 1	< 1	< 1	**8.0**	**3.0**	< 1	< 1	< 1	**53**	< 1	< 1	< 1
MW-30B	05/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	**3.8**	< 0.50	< 0.50	< 0.50	**63**	< 0.50	**1.8**	**0.27**
MW-30B	08/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**21 E**	**4.4**	< 0.50	< 0.50	< 0.50	**88**	< 0.50	**2.0**	< 0.20
MW-30B	08/10/12	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**11 E**	**3.7**	< 1.0	< 1.0	< 1.0	**74**	< 10	**1.8**	< 1
MW-30B	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	**3.2**	< 0.50	< 0.50	< 0.50	**68**	< 0.50	**1.6**	< 0.20
MW-30B	01/03/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**4.5**	< 0.50	< 0.50	< 0.50	**93**	< 0.50	**2.5**	< 0.20
MW-30B	05/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	**4.6**	< 0.50	< 0.50	< 0.50	**93**	< 0.50	**0.82**	**0.40**
MW-3000B	05/15/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**	**4.5**	< 0.50	< 0.50	< 0.50	**89**	< 0.50	**0.77**	**0.37**
MW-30B	05/15/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**15**	**4.5**	< 1.0	< 1.0	< 1.0	**94**	< 10	**1.4**	< 1.0
MW-30B	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	**4.6**	< 0.50	< 0.50	< 0.50	**96**	< 0.50	**4.4**	< 0.20
MW-30B	08/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	**5.9**	< 0.50	< 0.50	< 0.50	**100**	< 0.50	**1.1**	**0.36**
MW-3000B	08/15/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	**5.7**	< 0.50	< 0.50	< 0.50	**100**	< 0.50	**1.0**	**0.29**
MW-30B	08/15/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 1.0	**16**	**5.1**	< 1.0	< 1.0	< 1.0	**100**	< 10	**1.2**	< 1.0
MW-30B	11/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	**4.0**	< 0.50	< 0.50	< 0.50	**69**	< 0.50	**1.6**	< 0.20
MW-30B	02/07/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	**4.6**	< 0.50	< 0.50	< 0.50	**92**	< 0.50	**1.0**	**0.68**
MW-30B	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	**6.0**	< 0.50	< 0.50	< 0.50	**98**	< 0.50	**0.68**	< 0.20
MW-30B	08/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	**4.4**	< 0.50	< 0.50	< 0.50	**99**	< 0.50	**0.84**	< 0.20
MW-3000B	08/21/14	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	**4.1**	< 0.50	< 0.50	< 0.50	**100**	< 0.50	**0.78**	< 0.20
MW-30B	08/21/14	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**15**	**4.7**	< 1.0	< 1.0	< 1.0	**94**	< 10	< 1.0	**2.1**
MW-30B	11/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**4.1**	< 0.50	< 0.50	< 0.50	**81**	< 0.50	**0.86**	**0.54**
MW-30B	02/06/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	**0.86**	< 0.50	< 0.50	< 0.50	**20**	< 0.50	**0.66**	< 0.20
MW-30B	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	**4.4**	< 0.50	< 0.50	< 0.50	**88**	< 0.50	**0.73**	**0.50**
MW-30B	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	**4.7**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	**0.52**	**0.54**
MW-30B	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	**4.7**	< 0.50	< 0.50	< 0.50	**77**	< 0.50	< 0.50	**0.44**
MW-3000B	11/03/15	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	**4.6**	< 0.50	< 0.50	< 0.50	**76**	< 0.50	< 0.50	**0.35**
MW-30B	11/03/15	SPT	< 0.50	< 0.50	<1.0	<1.0	<0.50	**18**	**3.8**	<1.0	<1.0	<1.0	**68**	<10	<1.0	<1.0
MW-30B	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.9**	**2.2**	< 0.50	< 0.50	< 0.50	**24**	< 0.50	**0.54**	**0.23**
MW-30B	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	**5.5**	< 0.50	< 0.50	< 0.50	**96**	< 0.50	**0.75**	**0.43**
MW-30B	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	**4.3**	< 0.50	< 0.50	< 0.50	**80**	< 0.50	< 0.50	**0.34**
MW-30B	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**4.2**	< 0.50	< 0.50	< 0.50	**68**	< 0.50	< 0.50	< 0.20
MW-30B	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**3.8**	< 0.50	< 0.50	< 0.50	**71**	< 0.50	< 0.50	< 0.20
MW-3000B	02/09/17	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**4.0**	< 0.50	< 0.50	< 0.50	**72**	< 0.50	< 0.50	< 0.20
MW-30B	02/09/17	SPT	< 0.50	< 0.50	< 1.0	< 1.0	<0.50	**14**	**3.5**	< 1.0	< 1.0	< 1.0	**66**	< 10	**0.24 J**	< 1.0
MW-30B	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	**5.1**	< 0.50	< 0.50	< 0.50	**70**	< 0.50	< 0.50	< 2.0
MW-30B	08/10/17	ORG	< 0.50	< 0.50	**0.39 J**	< 0.50	< 0.50	**17**	**4.6**	< 0.50	< 0.50	< 0.50	**88**	< 0.50	**0.27 J**	**0.17 J**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (-/5)	1,2-DCA (-/-)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (-/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-30B	11/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**5.2**	< 0.50	< 0.50	< 0.50	**86**	< 0.50	< 0.50	< 0.20
MW-30B	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	**5.2**	< 0.50	< 0.50	< 0.50	**79**	< 0.50	< 0.50	< 0.20
MW-3000B	02/28/18	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	**5.1**	< 0.50	< 0.50	< 0.50	**77**	< 0.50	< 0.50	< 0.20
MW-30B	02/28/18	SPT	**0.20 J**	< 0.50	< 1.0	< 1.0	<0.50	**17**	**5.4**	< 1.0	< 1.0	< 1.0	**83**	< 10	<1.0	< 1.0
MW-30B Historical Range* **			< 0.50	< 0.50	: 0.50 - 0.39	< 0.50	< 0.50	<0.50 - 22	< 0.50 - 6.0	< 0.50	< 0.50	< 0.50	< 0.50 - 110	< 0.50	< 0.50- 4.5	< 0.20 - 28 E
MW-31	10/13/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**74**	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	< 0.50	< 0.50	< 2.0
MW-3100	10/13/09	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	< 0.50	< 2.0
MW-31	11/04/09	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**290**	**0.77**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**4.1**
MW-3100	11/04/09	FD	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**270**	**0.73**	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	**3.9**
MW-31	11/04/09	SPT	< 1	< 1	< 1	**2.0**	< 1	**270**	< 1	< 1	< 1	< 1	**11**	< 1	< 1	< 4
MW-31	12/10/09	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**240**	**0.73**	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	**2.8**
MW-3100	12/10/09	FD	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**230**	**0.72**	< 0.50	< 0.50	< 0.50	**11**	< 0.50	< 0.50	**2.8**
MW-31	12/10/09	SPT	< 1	< 1	< 1	**1.0**	< 1	**190**	< 1	< 1	< 1	< 1	**8**	< 1	< 1	**3.0**
MW-31	03/03/10	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**90**	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 2.0
MW-31	03/03/10	SPT	< 1	< 1	< 1	< 1	< 1	**87**	< 1	< 1	< 1	< 1	**4.0**	< 1	< 1	**1.0**
MW-31	06/09/10	ORG	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	**370**	**1.2**	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	**5.3**
MW-3100	06/09/10	FD	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	**360**	**1.1**	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	**5.2**
MW-31	06/09/10	SPT	< 1	< 1	< 1	**3.0**	< 1	**370**	< 1	< 1	< 1	< 1	**15**	< 1	< 1	**7.0**
MW-31	09/09/10	ORG	< 1.0	< 1.0	< 1.0	**3.6**	< 1.0	**430**	**1.2**	< 1.0	< 1.0	< 1.0	**17**	< 1.0	< 1.0	**5.6**
MW-31	09/09/10	SPT	< 1	< 1	< 1	**3.0**	< 1	**430**	< 1	< 1	< 1	< 1	**15**	< 1	< 1	**7.0**
MW-31	12/08/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**68**	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.50	< 2.0
MW-31	03/28/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**0.57**	**0.25**
MW-3100	03/28/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**0.52**	**0.25**
MW-31	06/24/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**61**	< 0.50	< 0.50	< 0.50	< 0.50	**5.1**	< 0.50	**0.83**	**0.51**
MW-31	08/05/11	ORG	< 0.50	< 0.50	< 0.50	**0.69**	< 0.50	**93**	< 0.50	< 0.50	< 0.50	< 0.50	**6.9**	< 0.50	< 0.50	**1.1**
MW-31	11/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32.6**	< 0.50	< 0.50	< 0.50	< 0.50	**4.4**	< 0.50	**0.6**	< 2.0
MW-31	11/03/11	SPT	< 1	< 1	< 1	< 1	< 1	**28**	< 1	< 1	< 1	< 1	**3.0**	< 1	< 1	< 1
MW-31	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	< 0.50	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	**0.52**	< 0.20
MW-31	05/11/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**48**	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**	< 0.50	**0.75**	**0.49**
MW-31	08/06/12	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**190**	**0.57**	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	**0.37**
MW-3100	08/06/12	FD	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**180**	**0.61**	< 0.50	< 0.50	< 0.50	**9.8**	< 0.50	< 0.50	**0.40**
MW-31	11/06/12	ORG	< 0.50	< 0.50	< 0.50	**0.81**	< 0.50	**170**	< 0.50	< 0.50	< 0.50	< 0.50	**9.2**	< 0.50	< 0.50	**2.3**
MW-31	02/08/13	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**330**	**0.87**	< 0.50	< 0.50	< 0.50	**21**	< 0.50	< 0.50	**4.9**
MW-31	05/14/13	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**130**	**0.55**	< 0.50	< 0.50	< 0.50	**9.2**	< 0.50	< 0.50	**2.4**
MW-31	08/14/13	ORG	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**270**	**0.85**	**0.55**	< 0.50	< 0.50	**11**	< 0.50	**0.70**	**4.5**
MW-31	11/12/13	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	**7.6**	< 0.50	**1.0**	**4.6**
MW-31	02/07/14	ORG	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	**380**	**1.2**	**0.77**	< 0.50	< 0.50	**19**	< 0.50	< 0.50	**13**
MW-31	05/21/14	ORG	< 0.50	< 0.50	< 0.50	**3.7**	< 0.50	**370**	**1.0**	**2.5**	< 0.50	**1.2**	**10**	< 0.50	< 0.50	**13**
MW-3100	05/21/14	FD	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	**390**	**0.88**	**1.2**	< 0.50	**1.2**	**10**	< 0.50	< 0.50	**13**
MW-31	05/21/14	SPT	< 0.50	< 0.50	< 1.0	**2.9**	< 0.50	**410**	< 1.0	< 1.0	< 1.0	< 1.0	**11**	< 10	< 1.0	**10**
MW-31	08/21/14	ORG	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	**350**	**0.58**	**0.64**	< 0.50	**0.75**	**11**	< 0.50	**0.81**	**16**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-31	11/06/14	ORG	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	**210**	< 0.50	< 0.50	< 0.50	< 0.50	**9.1**	< 0.50	< 0.50	**6.8**
MW-31	02/05/15	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	< 0.50	**6.7**	< 0.50	< 0.50	**11**
MW-31	05/13/15	ORG	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	**320**	**0.60**	**0.53**	< 0.50	< 0.50	**11**	< 0.50	< 0.50	**12**
MW-31	08/11/15	ORG	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	**290**	**0.55**	< 0.50	< 0.50	< 0.50	**9.5**	< 0.50	< 0.50	**8.6**
MW-3100	08/11/15	FD	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**300**	< 0.50	< 0.50	< 0.50	< 0.50	**9.2**	< 0.50	< 0.50	**9.2**
MW-31	08/11/15	SPT	<1.0	<1.0	<2.0	**2.1**	<1.0	**230**	<2.0	<2.0	<2.0	<2.0	**11**	<2.0	<2.0	**8.8**
MW-31	11/04/15	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**68**	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**	< 0.50	< 0.50	<0.20
MW-31	02/04/16	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**190**	**0.83**	< 0.50	< 0.50	< 0.50	**7.8**	< 0.50	< 0.50	**2.7**
MW-3100	02/04/16	FD	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**170**	**0.80**	< 0.50	< 0.50	< 0.50	**7.7**	< 0.50	< 0.50	**2.9**
MW-31	02/04/16	SPT	<1.0	<1.0	<1.0	<1.0	<1.0	**150**	<1.0	<1.0	<1.0	<1.0	**8.5**	<1.0	<1.0	**4.4**
MW-31	05/04/16	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	**0.87**	**3.9**
MW-31	08/03/16	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**170**	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**	< 0.50	**0.75**	**4.7**
MW-3100	08/03/16	FD	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**	< 0.50	**0.57**	**3.7**
MW-31	08/03/16	SPT	<1.0	< 0.50	< 1.0	**1.5**	< 0.50	**110**	<1.0	<1.0	<1.0	<1.0	**5.7**	< 10	<1.0	**7.6**
MW-31	11/09/16	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	**4.8**	< 0.50	**0.69**	**3.8**
MW-31	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**52**	< 0.50	< 0.50	< 0.50	< 0.50	**4.8**	< 0.50	< 0.50	< 2.0
MW-31	05/17/17	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**63**	**0.21**	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	**0.22 J**	**3.7**
MW-31	08/10/17	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**83**	< 0.50	< 0.50	< 0.50	< 0.50	**6.6**	< 0.50	< 0.50	< 2.0
MW-31	11/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**45**	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	**1.7**
MW-31	03/02/18	ORG	< 0.50	< 0.50	< 0.50	**0.32 J**	< 0.50	**41**	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**0.20 J**	**0.88**
Historical High/Low MW-31 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 3.7	< 0.50	25 - 430	< 0.50 - 1.2	< 0.50 - 2.5	< 0.50	< 0.50 - 1.2	**Low** 2.2 - 21	< 0.50	< 0.50 - 1.0	< 0.20 - 16
MW-32A	01/04/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3200A	01/04/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32A	01/04/10	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-32A	01/19/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32A	03/04/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32A	06/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32A	09/07/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32A	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32A	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	06/23/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**
MW-32A	08/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	11/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	05/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	08/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/05/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	08/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	08/19/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-32A	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**
MW-32A	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A	02/27/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32A Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 1.6
MW-32B	01/04/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**	**4.0**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	< 0.50	< 2.0
MW-3200B	01/04/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**	**4.0**	< 0.50	< 0.50	< 0.50	**57**	< 0.50	< 0.50	**2.0**
MW-32B	01/04/10	SPT	< 1	< 1	< 1	< 1	< 1	**27**	**3.0**	< 1	< 1	< 1	**44**	< 1	< 1	**3.0**
MW-32B	01/19/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**38**	**4.2**	< 0.50	< 0.50	< 0.50	**59**	< 0.50	< 0.50	< 2.0
MW-3200B	01/19/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**38**	**4.2**	< 0.50	< 0.50	< 0.50	**59**	< 0.50	< 0.50	< 2.0
MW-32B	03/05/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	**1.9**	< 0.50	< 0.50	< 0.50	**24**	< 0.50	< 0.50	< 2.0
MW-32B	03/05/10	SPT	< 1	< 1	< 1	< 1	< 1	**15**	**2.0**	< 1	< 1	< 1	**21**	< 1	< 1	**1.0**
MW-32B	06/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	**2.3**	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 2.0
MW-3200B	06/09/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	**3.0**	< 0.50	< 0.50	< 0.50	**33**	< 0.50	< 0.50	< 2.0
MW-32B	09/07/10	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**58**	**5.7**	< 0.50	< 0.50	< 0.50	**63**	< 0.50	< 0.50	**3.0**
MW-32B	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**44**	**4.2**	< 0.50	< 0.50	< 0.50	**45**	< 0.50	< 0.50	< 2.0
MW-3200B	12/09/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**46**	**4.3**	< 0.50	< 0.50	< 0.50	**46**	< 0.50	< 0.50	**2.0**
MW-32B	12/09/10	SPT	< 1	< 1	< 1	< 1	< 1	**27**	**3.0**	< 1	< 1	< 1	**37**	< 1	< 1	**3**
MW-32B	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**42**	**4.2**	< 0.50	< 0.50	< 0.50	**46**	< 0.50	< 0.50	**0.49**
MW-32B	06/23/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**35**	**2.4**	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	**1.6**
MW-32B	08/03/11	ORG	< 0.50	< 0.50	< 0.50	**0.70**	< 0.50	**77**	**5.6**	< 0.50	< 0.50	< 0.50	**54**	< 0.50	< 0.50	**2.5**
MW-32B	11/03/11	ORG	< 0.50	< 0.50	< 0.50	**0.6**	< 0.50	**69.9**	**4.3**	< 0.50	< 0.50	< 0.50	**48.6**	< 0.50	< 0.50	**2.3**
MW-32B	02/07/12	ORG	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	**73**	**4.0**	< 0.50	< 0.50	< 0.50	**44**	< 0.50	< 0.50	**1.5**
MW-3200B	02/07/12	FD	< 0.50	< 0.50	< 0.50	**0.61**	< 0.50	**74**	**4.0**	< 0.50	< 0.50	< 0.50	**46**	< 0.50	< 0.50	**1.6**
MW-32B	05/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**39**	**2.8**	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	**1.4**
MW-32B	08/09/12	ORG	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**120**	**5.5**	< 0.50	< 0.50	< 0.50	**62**	< 0.50	< 0.50	**0.39**
MW-32B	11/07/12	ORG	< 0.50	< 0.50	< 0.50	**0.92**	< 0.50	**100**	**5.4**	< 0.50	< 0.50	< 0.50	**66**	< 0.50	< 0.50	**3.4**
MW-32B	01/03/13	ORG	< 0.50	< 0.50	< 0.50	**0.74**	< 0.50	**120**	**4.0**	< 0.50	< 0.50	< 0.50	**49**	< 0.50	< 0.50	**0.6**
MW-32B	02/05/13	ORG	< 0.50	< 0.50	< 0.50	**0.92**	< 0.50	**100**	**4.8**	< 0.50	< 0.50	< 0.50	**53**	< 0.50	< 0.50	**3.1**
MW-3200B	02/05/13	FD	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**100**	**5.0**	< 0.50	< 0.50	< 0.50	**54**	< 0.50	< 0.50	**3.0**
MW-32B	05/15/13	ORG	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	**88**	**4.7**	< 0.50	< 0.50	< 0.50	**57**	< 0.50	< 0.50	**2.8**
MW-32B	08/13/13	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**160**	**5.6**	< 0.50	< 0.50	< 0.50	**75**	< 0.50	< 0.50	**2.6**
MW-32B	11/13/13	ORG	< 0.50	< 0.50	< 0.50	**0.85**	< 0.50	**75**	**3.3**	< 0.50	< 0.50	< 0.50	**46**	< 0.50	< 0.50	**0.56E**
MW-3200B	11/13/13	FD	< 0.50	< 0.50	< 0.50	**0.86**	< 0.50	**75**	**3.1**	< 0.50	< 0.50	< 0.50	**47**	< 0.50	< 0.50	**0.6E**
MW-32B	11/13/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**96**	**4.4**	< 1.0	< 1.0	< 1.0	**52**	< 10	< 1.0	**3.6E**
MW-32B	02/05/14	ORG	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	**66**	**2.7**	< 0.50	< 0.50	< 0.50	**35**	< 0.50	< 0.50	**2.7**
MW-32B	05/21/14	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**150**	**5.6**	< 0.50	< 0.50	< 0.50	**59**	< 0.50	< 0.50	**0.47**
MW-32B	08/19/14	ORG	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	**97**	**4.5**	< 0.50	< 0.50	< 0.50	**64**	< 0.50	< 0.50	**0.62 E**
MW-3200B	08/19/14	FD	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	**96**	**4.2**	< 0.50	< 0.50	< 0.50	**64**	< 0.50	< 0.50	**6.5 E**
MW-32B	08/19/14	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**86**	**4.3**	< 1.0	< 1.0	< 1.0	**61**	< 10	< 1.0	**3.7 ET, E**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (-/5)	1,2-DCA (-/-)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (-/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-32B	11/05/14	ORG	< 0.50	< 0.50	< 0.50	**0.87**	< 0.50	**110**	**4.4**	< 0.50	< 0.50	< 0.50	**54**	< 0.50	< 0.50	**4.5**
MW-32B	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**43**	**2.1**	< 0.50	< 0.50	< 0.50	**26**	< 0.50	< 0.50	**1.8**
MW-3200B	02/03/15	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**40**	**1.9**	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	**1.8**
MW-32B	02/03/15	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**32**	**1.6**	< 1.0	< 1.0	< 1.0	**21**	< 10	< 1.0	**3.5**
MW-32B	05/13/15	ORG	< 0.50	< 0.50	< 0.50	**0.84**	< 0.50	**110**	**4.2**	< 0.50	< 0.50	< 0.50	**54**	< 0.50	< 0.50	**4.3**
MW-3200B	05/13/15	FD	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	**110**	**4.1**	< 0.50	< 0.50	< 0.50	**53**	< 0.50	< 0.50	**4.3**
MW-32B	05/13/15	SPT	< 0.50	< 0.50	<1.0	< 1.0	< 0.50	**72**	**3.7**	<1.0	<1.0	<1.0	**44**	<10	<1.0	**5.9**
MW-32B	08/12/15	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**130**	**4.3**	< 0.50	< 0.50	< 0.50	**59**	< 0.50	< 0.50	**4.6**
MW-32B	11/04/15	ORG	< 0.50	< 0.50	< 0.50	**0.87**	< 0.50	**76**	**3.8**	< 0.50	< 0.50	< 0.50	**37**	< 0.50	< 0.50	**3.0**
MW-32B	02/03/16	ORG	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	**94**	**3.5**	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	**1.5**
MW-3200B	02/03/16	FD	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**98**	**3.6**	< 0.50	< 0.50	< 0.50	**24**	< 0.50	< 0.50	**1.6**
MW-32B	02/03/16	SPT	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	**78**	**2.5**	< 1.0	< 1.0	< 1.0	**27**	< 1.0	< 1.0	**2.6**
MW-32B_1SV	05/04/16	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**120**	**4.5**	< 0.50	< 0.50	< 0.50	**42**	< 0.50	< 0.50	**2.9**
MW-32B	05/04/16	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**160**	**5.4**	< 0.50	< 0.50	< 0.50	**54**	< 0.50	< 0.50	**2.7**
MW-32B_1SV	08/02/16	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**180**	**5.9**	< 0.50	< 0.50	< 0.50	**44**	< 0.50	< 0.50	**2.6**
MW-32B_1SV	11/08/16	ORG	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	**78**	**2.8**	< 0.50	< 0.50	< 0.50	**24**	< 0.50	< 0.50	**2.9**
MW-32B	11/08/16	ORG	< 0.50	< 0.50	< 0.50	**1.20**	< 0.50	**120**	**4.3**	< 0.50	< 0.50	< 0.50	**43**	< 0.50	< 0.50	**3.6**
MW-32B_1SV	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.4**	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	< 0.50	< 2.0
MW-32B	02/07/17	ORG	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	**77**	**2.0**	< 0.50	< 0.50	< 0.50	**20**	< 0.50	< 0.50	< 2.0
MW-3200B	02/07/17	FD	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**86**	**2.3**	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	**2.0 B**
MW-32B	02/07/17	SPT	< 0.50	< 0.50	< 1.0	**0.49 J**	< 0.50	**68**	**2.0**	< 1.0	< 1.0	< 1.0	**21**	< 10	< 1.0	**2.1**
MW-32B_1.5S\	05/16/17	ORG	< 0.50	< 0.50	< 0.50	**0.91**	< 0.50	**98**	**3.2**	< 0.50	< 0.50	< 0.50	**33**	< 0.50	< 0.50	**3.98**
MW-32B	05/16/17	ORG	< 0.50	< 0.50	< 0.50	**0.95**	< 0.50	**120**	**3.4**	< 0.50	< 0.50	< 0.50	**36**	< 0.50	< 0.50	**3.80**
MW-32B_1.5S\	08/08/17	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**120**	**4.2**	< 0.50	< 0.50	< 0.50	**37**	< 0.50	< 0.50	**2.8**
MW-32B	08/08/17	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**130**	**4.3**	< 0.50	< 0.50	< 0.50	**41**	< 0.50	< 0.50	**4.0**
MW-32B_1.5S\	11/07/17	ORG	< 0.50	< 0.50	< 0.50	**0.32 J**	< 0.50	**40**	**1.1**	< 0.50	< 0.50	< 0.50	**11**	< 0.50	< 0.50	**0.30**
MW-32B	11/07/17	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**64**	**2.3**	< 0.50	< 0.50	< 0.50	**24**	< 0.50	< 0.50	**1.60**
MW-32B_1.5S\	02/27/18	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**120**	**4.1**	< 0.50	< 0.50	< 0.50	**37**	< 0.50	< 0.50	**1.1**
MW-32B	02/27/18	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**130**	**3.6**	< 0.50	< 0.50	< 0.50	**41**	< 0.50	< 0.50	**1.4**
MW-3200B	02/27/18	FD	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**110**	**3.7**	< 0.50	< 0.50	< 0.50	**41**	< 0.50	< 0.50	**1.3**
MW-32B	02/27/18	SPT	< 0.50	< 0.50	< 1.0	**1.1**	< 0.50	**170**	**3.6**	< 1.0	< 1.0	< 1.0	**45**	< 10	< 1.0	**2.9**
MW-32B Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 1.4	< 0.50	16 - 180	1.9 - 5.9	< 0.50	< 0.50	< 0.50	20 - 75	< 0.50	< 0.50	0.39 - 4.6
MW-32C	01/05/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3200C	01/05/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1
MW-32C	01/05/10	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.0
MW-32C	01/19/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32C	03/05/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32C	06/10/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32C	09/07/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32C	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-32C	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-32C	06/23/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**
MW-32C	08/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	11/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	05/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.56**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	08/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	01/03/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/05/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	08/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	08/19/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.56	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 1.0
MW-33	07/16/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.6**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**1.4**	< 2.0
MW-3300	07/16/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**1.1**	< 2.0
MW-33	07/16/10	SPT	< 1	< 1	< 1	< 1	< 1	**4.0**	< 1	< 1	< 1	< 1	**1.0**	< 1	**1.0**	< 1
MW-33	07/30/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.4**	< 0.50	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**0.61**	< 2.0
MW-33	09/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.3**	< 0.50	< 0.50	< 0.50	< 0.50	**0.69**	< 0.50	**0.65**	< 2.0
MW-3300	09/09/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.4**	< 0.50	< 0.50	< 0.50	< 0.50	**0.74**	< 0.50	**0.55**	< 2.0
MW-33	12/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 2.0
MW-3300	12/09/10	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	< 2.0
MW-33	03/28/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.20
MW-33	06/22/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.4**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.20
MW-33	08/04/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.7**	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.20
MW-33	11/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	< 0.50	< 0.20
MW-33	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33	05/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	< 0.50	< 0.20
MW-33	08/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.74**	< 0.50	< 0.50	< 0.20
MW-33	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.6**	< 0.50	< 0.50	< 0.50	< 0.50	**0.79**	< 0.50	< 0.50	< 0.20
MW-33	01/04/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.5**	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.20
MW-33	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.0**	< 0.50	< 0.50	< 0.50	< 0.50	**0.92**	< 0.50	< 0.50	< 0.20
MW-33	05/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	< 0.50	< 0.50	**0.73**	< 0.50	< 0.50	< 0.20
MW-33	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.90**	< 0.50	< 0.50	< 0.20
MW-33	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.4**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-33	02/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.5**	< 0.50	< 0.50	< 0.50	< 0.50	**0.80**	< 0.50	< 0.50	< 0.20
MW-3300	02/05/14	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.3**	< 0.50	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	< 0.50	< 0.20
MW-33	02/05/14	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**9.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-33	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33	08/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.4**	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.20
MW-33	11/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.20
MW-33	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	< 0.50	< 0.20
MW-33	05/13/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**	< 0.50	< 0.50	< 0.50	< 0.50	**0.80**	< 0.50	< 0.50	< 0.20
MW-33	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.0**	< 0.50	< 0.50	< 0.50	< 0.50	**0.85**	< 0.50	< 0.50	< 0.20
MW-33	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.6**	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.20
MW-33	02/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.7**	< 0.50	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	< 0.20
MW-3300	02/03/16	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.20
MW-33	02/03/16	SPT	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**7.1**	< 1.0	< 1.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0
MW-33_1SV	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33_1SV	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.8**	< 0.50	< 0.50	< 0.50	< 0.50	**1.10**	< 0.50	< 0.50	< 0.20
MW-33	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.8**	< 0.50	< 0.50	< 0.50	< 0.50	**0.78**	< 0.50	< 0.50	< 0.20
MW-33_1SV	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**	< 0.50	< 0.50	< 0.50	< 0.50	**0.69**	< 0.50	< 0.50	< 0.20
MW-33_1SV	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.50	< 0.20
MW-33	02/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.5**	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	< 0.20
MW-33_1.5SV	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-33	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-33_1.5SV	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.5**	< 0.50	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	< 0.50	< 0.20
MW-33	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**	< 0.50	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	< 0.50	< 0.20
MW-3300	08/08/17	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	< 0.20
MW-33	08/08/17	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**6.2**	< 1.0	< 1.0	< 1.0	< 1.0	**0.65 J**	< 10	< 1.0	< 1.0
MW-33_1.5SV	11/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.3**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.20
MW-33	11/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.3**	< 0.50	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.20
MW-33_1.5SV	03/02/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33	03/02/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.7 - 12	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 2.0	< 0.50	< 0.50 - 1.4	< 0.20 - < 2.0
MW-34A	02/25/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	**1.7**	< 2.0
MW-3400A	02/25/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	**2.0**	< 2.0
MW-34A	02/25/11	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**1.0**	< 1
MW-34A	03/10/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**1.4**	< 0.20
MW-34A	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.0**	**2.8**	< 0.20
MW-34A	06/21/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-34A	08/04/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.63**	**0.68**	< 0.20
MW-34A	11/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34A	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.75**	< 0.50	< 0.20
MW-34A	05/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.20
MW-34A	08/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.77**	< 0.50	< 0.20
MW-34A	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34A	02/05/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.70**	< 0.50	< 0.20
MW-34A	05/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.91**	< 0.50	< 0.20
MW-34A	08/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34A	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.20
MW-34A	08/19/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	< 0.20
MW-34A	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	< 0.20
MW-34A	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	<0.50	< 0.50	< 0.20
MW-34A	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**2.3**	< 0.50	< 0.20
MW-34A	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	<0.50	< 0.50	< 0.20
MW-34A	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**1.4**	< 0.50	< 0.20
MW-34A	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	<0.50	< 0.50	**1.3 U**
MW-34A	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34A Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 2.3	< 0.50 - 2.8	< 0.20 - < 2.0
MW-34B	02/25/11	ORG	< 1.0	< 1.0	< 1.0	**5.1**	< 1.0	**560**	< 1.0	< 1.0	< 1.0	**1.3**	**1.6**	< 1.0	< 1.0	**75**
MW-3400B	02/25/11	FD	< 1.0	< 1.0	< 1.0	**6.2**	< 1.0	**650**	< 1.0	**1.1**	< 1.0	**1.5**	**1.9**	< 1.0	< 1.0	**61**
MW-34B	02/25/11	SPT	< 1	< 1	< 1	**4.0**	< 1	**590**	< 1	< 1	< 1	**1.0**	**1.0**	< 1	< 1	**78**
MW-34B	03/10/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	**4.1**
MW-3400B	03/10/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**	**4.3**
MW-34B	03/10/11	SPT	< 1	< 1	< 1	< 1	< 1	**12 E**	< 1	< 1	< 1	< 1	< 1	< 1	**2.0**	**6.0**
MW-34B-1 [c]	03/15/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**28 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**	**4.9**
MW-34B-1 [c]	03/15/11	SPT	< 1	< 1	< 1	< 1	< 1	**18 E**	< 1	< 1	< 1	< 1	< 1	< 1	**1.0**	**7.0**
MW-34B-2 [d]	03/15/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**NA**
MW-34B-3 [e]	03/15/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.60**	**NA**
MW-34B-4 [f]	03/15/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**	**5.0**
MW-34B	03/29/11	ORG	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**27 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	**9.4 E**
MW-3400B	03/29/11	FD	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**37 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	**9.4 E**
MW-34B	03/29/11	SPT	< 1	< 1	< 1	< 1	< 1	**31 E**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**13 E**
MW-34B	06/21/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**21 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	**8.1**
MW-34B	06/21/11	SPT	< 1	< 1	< 1	< 1	< 1	**10 E**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**11**
MW-34B	08/04/11	ORG	< 0.50	< 0.50	< 0.50	**4.8**	**0.71**	**410**	< 0.50	< 0.50	< 0.50	**1.2**	**0.65**	< 0.50	**1.5**	**84 E**
MW-34B	11/02/11	ORG	< 0.50	< 0.50	**0.50**	**6.3**	**1.2**	**502**	< 0.50	< 0.50	< 0.50	**2.1**	**0.70**	< 0.50	< 0.50	**196**
MW-34B	11/02/11	SPT	< 1	< 1	< 1	**4.0**	< 1	**340**	< 1	< 1	**1.0**	< 1	< 1	< 1	< 1	**220**
MW-34B	02/08/12	ORG	< 2.5	< 2.5	< 2.5	**6.0**	< 2.5	**550 E**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**64 E**
MW-3400B	02/08/12	FD	< 2.5	< 2.5	< 2.5	**6.0**	< 2.5	**570 E**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	**66 E**
MW-34B	02/08/12	SPT	< 1	< 1	< 1	**3.0**	< 1	**250 E**	< 1	< 1	< 1	**1.0**	< 1	< 1	< 1	**190 E**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)														Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (-/5)	1,2-DCA (-/-)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (-/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																	
MW-34B	05/10/12	ORG	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	< 0.50	**58**	
MW-34B	05/10/12	SPT[E]	< 1	< 1	< 1	**1.0**	< 1	**120**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**63**	
MW-34B	05/10/12	SPT[C]	< 0.50	< 0.50	< 1.0	**1.6**	< 0.50	**110**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**62**	
MW-34B	08/10/12	ORG	< 5.0	< 5.0	< 5.0	**9.8**	< 5.0	**1,100**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**250**	
MW-34B	11/07/12	ORG	< 1.0	< 1.0	< 1.0	**7.9**	**1.7**	**590 E**	< 1.0	< 1.0	< 1.0	**2.6**	**1.4**	< 1.0	< 1.0	**260**	
MW-34B	11/07/12	SPT	< 0.50	< 0.50	< 1.0	**6.4**	**1.5**	**180 E**	< 1.0	< 1.0	< 1.0	**3.0**	**1.4**	< 10	< 1.0	**320**	
MW-34B	01/03/13	ORG	< 1.0	< 1.0	< 1.0	**5.3**	**1.1**	**580**	< 1.0	< 1.0	< 1.0	**1.8**	< 1.0	< 1.0	< 1.0	**68**	
MW-3400B	01/03/13	FD	< 1.0	< 1.0	< 1.0	**5.4**	**1.1**	**590**	< 1.0	< 1.0	< 1.0	**1.7**	< 1.0	< 1.0	< 1.0	**74**	
MW-34B	02/06/13	ORG	< 1.0	< 1.0	< 1.0	**5.5**	**1.4**	**580**	< 1.0	< 1.0	< 1.0	**1.7**	< 1.0	< 1.0	< 1.0	**180**	
MW-3400B	02/06/13	FD	< 1.0	< 1.0	< 1.0	**5.6**	**1.4**	**550**	< 1.0	< 1.0	< 1.0	**1.7**	< 1.0	< 1.0	< 1.0	**170**	
MW-34B	02/06/13	SPT	< 0.50	< 0.50	< 1.0	**4.6**	**1.0**	**440**	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 10	< 1.0	**250**	
MW-34B	05/14/13	ORG	< 0.50	< 0.50	< 0.50	**3.6**	**0.87**	**300**	< 0.50	< 0.50	< 0.50	**1.3**	**0.65**	< 0.50	< 0.50	**140**	
MW-34B	08/13/13	ORG	< 1.0	< 1.0	< 1.0	**4.9**	**1.1**	**540**	< 1.0	< 1.0	< 1.0	**1.8**	**1.3**	< 1.0	< 1.0	**190**	
MW-34B	11/13/13	ORG	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	**1.1**	**0.50**	< 0.50	< 0.50	**73**	
MW-34B	02/06/14	ORG	< 0.50	< 0.50	< 0.50	**3.3**	**0.72**	**290**	< 0.50	< 0.50	< 0.50	**1.0**	**0.56**	< 0.50	< 0.50	**130**	
MW-3400B	02/06/14	FD	< 0.50	< 0.50	< 0.50	**3.3**	**0.81**	**230**	< 0.50	< 0.50	< 0.50	**0.97**	**0.64**	< 0.50	< 0.50	**110**	
MW-34B	02/06/14	SPT	< 1.0	< 1.0	< 2.0	**2.8**	< 1.0	**240**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 20	< 2.0	**120**	
MW-34B	05/21/14	ORG	< 0.50	< 0.50	< 0.50	**3.6**	**0.90**	**290**	< 0.50	**0.54**	< 0.50	**1.7**	**0.66**	< 0.50	< 0.50	**110**	
MW-34B	08/19/14	ORG	< 0.50	< 0.50	< 0.50	**2.4**	**0.66**	**200**	< 0.50	< 0.50	< 0.50	**1.3**	**0.72**	< 0.50	< 0.50	**99**	
MW-34B	11/05/14	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**210**	< 0.50	< 0.50	< 0.50	**0.97**	**0.66**	< 0.50	< 0.50	**57**	
MW-3400B	11/05/14	FD	< 0.50	< 0.50	< 0.50	**2.1**	**0.55**	**200**	< 0.50	< 0.50	< 0.50	**0.82**	**0.56**	< 0.50	< 0.50	**54**	
MW-34B	11/05/14	SPT	< 0.50	< 0.50	< 1.0	**2.0**	< 0.50	**180**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**54**	
MW-34B	02/05/15	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**79**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**	
MW-34B	05/13/15	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	< 0.50	**43**	
MW-34B	08/11/15	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**36**	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	**48**	
MW-34B	11/03/15	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**100**	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	< 0.50	< 0.50	**28**	
MW-34B	02/04/16	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	
MW-34B	05/03/16	ORG	< 0.50	< 0.50	< 0.50	**0.94**	< 0.50	**57**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	
MW-3400B	05/03/16	FD	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**73**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**24**	
MW-34B	05/03/16	SPT	<1.0	<1.0	<1.0	<1.0	< 0.50	**80**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**27**	
MW-34B	08/03/16	ORG	< 0.50	< 0.50	< 0.50	**0.96**	< 0.50	**73**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	
MW-34B	11/08/16	ORG	< 0.50	< 0.50	< 0.50	**0.98**	< 0.50	**90**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	
MW-34B	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.2**	
MW-34B	05/16/17	ORG	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	**27 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0 E	
MW-3400B	05/16/17	FD	< 0.50	< 0.50	< 0.50	**0.48 J**	< 0.50	**37 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0 E	
MW-34B	05/16/17	SPT	< 0.50	< 0.50	< 1.0	**0.39 J**	< 0.50	**26 E**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**9.5 E**	
MW-34B	08/08/17	ORG	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	**46**	< 0.50	**0.27 J**	< 0.50	**0.22 J**	< 0.50	< 0.50	< 0.50	< 2.0 E	
MW-3400B	08/08/17	FD	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**48**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0 E	
MW-34B	08/08/17	SPT	< 0.50	< 0.50	< 1.0	**0.59 J**	< 0.50	**51**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**13 E**	

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-34B	11/07/17	ORG	< 0.50	< 0.50	**0.24 J**	**2.4**	**0.44 J**	**210 E**	< 0.50	**0.46 J**	< 0.50	**0.70**	**0.82**	< 0.50	< 0.50	**23 E**
MW-3400B	11/07/17	FD	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	**200 E**	< 0.50	**0.43 J**	< 0.50	**0.73**	**0.81**	< 0.50	< 0.50	**25 E**
MW-34B	11/07/17	SPT	< 0.50	< 0.50	< 1.0	**2.4**	**0.38 J**	**380 E**	< 1.0	**0.40 J**	< 1.0	< 1.0	**0.90 J**	< 10	< 1.0	**40 E**
MW-34B	03/01/18	ORG	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0 E
MW-3400B	03/01/18	FD	< 0.50	< 0.50	< 0.50	**0.33 J**	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	**0.21 J**	< 0.50	< 0.50	< 2.0 E
MW-34B	03/01/18	SPT	< 0.50	< 0.50	< 1.0	**0.37 J**	< 0.50	**30**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**5.7 E**
MW-34B Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.50	< 0.50 - 9.8	< 0.50 - 1.4	20 E - 1,100	< 0.50 - < 5.0	< 0.50 - 1.1	< 0.50 - 1.0	< 0.50 - 2.6	< 0.50 - 2.1	< 0.50 - < 5.0	< 0.50 - 2.6	< 2.0 E - 196
MW-34C	02/25/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1**	< 2.0
MW-3400C	02/25/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	< 2.0
MW-34C	02/25/11	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-34C	03/10/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.0**	< 0.20
MW-34C	03/29/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1**	< 0.20
MW-34C	03/29/11	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**3**	< 1
MW-34C	06/21/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	< 0.20
MW-34C	08/04/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**	< 0.20
MW-34C	11/02/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	05/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	08/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	01/03/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	05/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	08/13/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	02/07/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	08/19/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	02/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	08/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	08/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-34C Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 9.6	< 0.20
MW-35A	01/19/11	ORG	< 0.50	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3500A	01/19/11	FD	< 0.50	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35A	01/19/11	SPT	< 1	< 1	**50**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-35A	02/03/11	ORG	< 0.50	< 0.50	**46 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-3500A	02/03/11	FD	< 0.50	< 0.50	**49 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35A	02/03/11	SPT	< 1	< 1	**33 E**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-35A	03/28/11	ORG	< 0.50	< 0.50	**20**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	06/22/11	ORG	< 0.50	< 0.50	**11**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	08/04/11	ORG	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	11/01/11	ORG	< 0.50	< 0.50	**6.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	02/08/12	ORG	< 0.50	< 0.50	**4.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	05/09/12	ORG	< 0.50	< 0.50	**2.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	08/07/12	ORG	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	11/06/12	ORG	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	02/06/13	ORG	< 0.50	< 0.50	**0.74**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	05/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	02/07/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35A Historical Range* **			< 0.50	< 0.50	< 0.50 - 67	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - < 2.0
MW-35B	01/19/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3500B	01/19/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35B	01/19/11	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-35B	02/03/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3500B	02/03/11	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35B	02/03/11	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-35B	03/28/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	06/22/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	08/04/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	11/01/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	05/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	08/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	02/05/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	05/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35B Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - < 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
MW-35C	01/19/11	ORG	< 0.50	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3500C	01/19/11	FD	< 0.50	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35C	01/19/11	SPT	< 1	< 1	**87**	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-35C	02/03/11	ORG	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-3500C	02/03/11	FD	< 0.50	< 0.50	**0.67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35C	02/03/11	SPT	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
MW-35C	03/28/11	ORG	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3500C	03/28/11	FD	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	06/22/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	08/04/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/01/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	05/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	08/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/06/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	05/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	08/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	08/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-35C	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C Historical Range* **			< 0.50	< 0.50	< 0.50 - 120	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - < 2.0
MW-36	01/13/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**	< 0.20
MW-3600	01/13/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.0**	< 0.20
MW-36	01/13/12	SPT	< 1	< 1	< 1	< 1	< 1	**2.0**	< 1	< 1	< 1	< 1	< 1	< 1	**4.0**	< 1

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-36	01/26/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.3**	< 0.20
MW-3600	01/26/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**	< 0.20
MW-36	01/26/12	SPT	< 1	< 1	< 1	< 1	< 1	**3.0**	< 1	< 1	< 1	< 1	< 1	< 1	**3.0**	< 1
MW-36	02/08/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.20
MW-3600	02/08/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.1**	< 0.20
MW-36	02/08/12	SPT	< 1	< 1	< 1	< 1	< 1	**2.0**	< 1	< 1	< 1	< 1	< 1	< 1	**3.0**	< 1
MW-36	05/10/12	ORG	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**45**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	**2.8**
MW-36	08/10/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3600	08/10/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-36	08/10/12	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**9.9 E**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**1.2**	< 1.1
MW-36	11/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.88**	**1.4**
MW-3600	11/07/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.59**	**1.4**
MW-36	01/04/13	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**
MW-36	02/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**28**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**
MW-3600	02/07/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**
MW-36	05/14/13	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**45**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**
MW-36	08/15/13	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**
MW-3600	08/15/13	FD	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**
MW-36	08/15/13	SPT	< 0.50	< 0.50	< 1.0	**1.2**	< 0.50	**110**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**9.4**
MW-36	11/13/13	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**71**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.2E**
MW-3600	11/13/13	FD	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**71**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.1E**
MW-36	11/13/13	SPT	< 0.50	< 0.50	< 1.0	**1.0**	< 0.50	**97**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**9.1E**
MW-36	02/06/14	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**92**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
MW-3600	02/06/14	FD	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**89**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
MW-36	02/06/14	SPT	< 0.50	< 0.50	< 1.0	**1.3**	< 0.50	**110**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**8.3**
MW-36	05/20/14	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**
MW-3600	05/20/14	FD	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**
MW-36	05/20/14	SPT	< 0.50	< 0.50	< 1.0	**1.2**	< 0.50	**130**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**11**
MW-36	08/20/14	ORG	< 0.50	< 0.50	< 0.50	**0.93**	< 0.50	**86**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**
MW-36	11/05/14	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.2**
MW-36	02/05/15	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
MW-3600	02/05/15	FD	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
MW-36	02/05/15	SPT	< 0.50	< 0.50	< 1.0	**1.4**	< 0.50	**130**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**12**
MW-36	05/12/15	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**15**
MW-36	08/12/15	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**8.7**
MW-3600	08/12/15	FD	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**8.7**
MW-36	08/12/15	SPT	< 0.50	< 0.50	<1.0	**1.0**	< 0.50	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**13**
MW-36	11/03/15	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**92**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**5.6**
MW-36	02/02/16	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**220**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 2.0

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-36_1SV	05/03/16	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**57**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**2.9**
MW-36	05/03/16	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**6.0**
MW-3600	05/03/16	FD	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**5.2**
MW-36	05/03/16	SPT	<1.0	<1.0	<1.0	<1.0	< 0.50	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**7.3**
MW-36_1SV	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.20
MW-36	08/03/16	ORG	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**66**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**2.6**
MW-3600	08/03/16	FD	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	**65**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**2.4**
MW-36	08/03/16	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**93**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**5.8**
MW-36_1SV	11/08/16	ORG	< 0.50	< 0.50	< 0.50	**0.79**	< 0.50	**77**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**3.3**
MW-36	11/08/16	ORG	< 0.50	< 0.50	< 0.50	**0.95**	< 0.50	**91**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**4.0**
MW-3600	11/08/16	FD	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**98**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**4.2**
MW-36	11/08/16	SPT	< 0.50	< 0.50	< 1.0	**0.77**	< 0.50	**91**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**6.4**
MW-36_1SV	02/08/17	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**8.2**
MW-36	02/08/17	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**8.8**
MW-3600	02/08/17	FD	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**8.3**
MW-36	02/08/17	SPT	< 0.50	< 0.50	< 1.0	**0.97 J**	< 0.50	**110**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**10**
MW-36_1.5SV	05/17/17	ORG	< 0.50	< 0.50	< 0.50	**0.82**	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 2.0
MW-36	05/17/17	ORG	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 2.0
MW-36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-36_1.5SV	11/07/17	ORG	< 0.50	< 0.50	< 0.50	**0.91**	< 0.50	**93**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**7.7**
MW-36	11/07/17	ORG	< 0.50	< 0.50	< 0.50	**0.82**	< 0.50	**87**	< 0.50	< 0.50	< 0.50	**0.24 J**	< 0.50	< 0.50	<0.50	**7.5**
MW-36_1.5SV	03/05/18	ORG	< 0.50	< 0.50	< 0.50	**0.93**	< 0.50	**82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-36	03/05/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**86**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-36 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 1.7	< 0.50	2.9 - 150	< 0.50	< 0.50	< 0.50	< 0.50 - 0.24	< 0.50	< 0.50	<0.50 - 5.9	< 0.20 - 15
MW-37	10/26/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.73**	< 2.0
MW-3700	10/26/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 2.0
MW-37	10/26/12	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**1.4**	< 1.0
MW-37	11/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3700	11/07/12	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	11/07/12	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-37	01/03/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.66**	< 0.50	< 0.50	< 0.20
MW-37	01/03/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-37	02/06/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	02/06/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-37	05/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3700	05/15/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	05/15/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-37	08/14/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-37	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	05/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	11/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	02/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	11/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	11/09/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	05/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-37	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37	03/05/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-37 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.66	< 0.50	<0.50 - 0.73	< 0.20
MW-38	08/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3800	08/07/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	08/07/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-38	08/16/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	05/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	11/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	02/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.34**
MW-38	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38	03/05/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-38 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20 - 0.34

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
MW-39	08/08/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3900	08/08/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39	08/08/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-39	08/16/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.69**	< 0.20
MW-39	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.83**	< 0.20
MW-39	02/04/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.59**	< 0.20
MW-39	05/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	< 0.20
MW-39	08/20/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.99**	< 0.20
MW-39	11/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.64**	< 0.20
MW-39	02/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39	05/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.77**	< 0.20
MW-39	08/12/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.20
MW-39	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.71**	< 0.20
MW-39	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.59**	< 0.20
MW-39	05/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.1**	< 0.20
MW-39	08/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-3900	08/03/16	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39	08/03/16	SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	< 1.0
MW-39	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.66**	< 0.20
MW-39	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39	05/17/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-39	08/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39	11/07/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39	03/02/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-39 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 1.4	< 0.20
MW-40	07/18/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-4000	07/18/13	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	07/18/13	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-40	08/16/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	11/12/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	02/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	05/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	08/21/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	11/06/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	02/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	05/13/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	08/13/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	11/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-40	02/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	05/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	08/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-4000	08/04/16	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	08/04/16	SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	< 1.0
MW-40	11/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	02/09/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	05/17/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-40	08/10/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	11/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40	03/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-40 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.60	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41-420	08/19/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.49**
MW-4100-420	08/19/14	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**
MW-41-420	08/19/14	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**2.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**1.3**
MW-41	09/10/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.49**
MW-4100	09/10/14	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.42**
MW-41	09/10/14	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**1.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-41	09/24/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-4100	09/24/14	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	09/24/14	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-41	11/05/14	ORG	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/05/15	ORG	< 0.50	< 0.50	**0.64**	**1.1**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
MW-41	05/12/15	ORG	< 0.50	< 0.50	**0.56**	< 0.50	< 0.50	**5.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**
MW-4100	05/12/15	FD	< 0.50	< 0.50	**0.55**	< 0.50	< 0.50	**2.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**
MW-41	05/12/15	SPT	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	**2.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	**4.7**
MW-41	08/13/15	ORG	< 0.50	< 0.50	**0.71**	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-41	11/03/15	ORG	< 0.50	< 0.50	**0.66**	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-41	02/04/16	ORG	< 0.50	< 0.50	**0.86**	**0.71**	< 0.50	**64**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**
MW-4100	02/04/16	FD	< 0.50	< 0.50	**0.83**	**0.65**	< 0.50	**60**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**
MW-41	02/04/16	SPT	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**40**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**7.4**
MW-41	05/03/16	ORG	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-41	08/03/16	ORG	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-41	11/09/16	ORG	< 0.50	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
MW-41	02/08/17	ORG	< 0.50	< 0.50	**0.60**	**1.3**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
MW-41	05/17/17	ORG	< 0.50	< 0.50	< 0.50	**0.61**	< 0.50	**41**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
MW-41	08/10/17	ORG	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	**7.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**
MW-41	11/07/17	ORG	< 0.50	< 0.50	**0.52**	**1.2**	< 0.50	**120**	< 0.50	**0.20 J**	< 0.50	**0.39 J**	< 0.50	< 0.50	< 0.50	**18**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL) Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	Semi-VOCs 1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
MW-41	03/02/18	ORG	< 0.50	< 0.50	**0.57**	**0.63**	< 0.50	**71**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.7**
MW-41 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.72	< 0.50 - 1.3	< 0.50	< 0.50 - 130	< 0.50	< 0.50 - 0.20	< 0.50	< 0.50 - 0.39	< 0.50 - 110	< 0.50	< 0.50	< 0.20 - 18
EW-01	06/22/05	ORG	< 0.50	< 0.50	**0.67**	**10**	**2.6**	**750**	< 0.50	**2.5**	< 0.50	**6.5**	**2.1**	< 0.50	< 0.50	**140 E**
EW-100	06/22/05	FD	< 0.50	< 0.50	**0.65**	**11**	**2.6**	**740**	< 0.50	**2.5**	< 0.50	**6.8**	**2.2**	< 0.50	< 0.50	**150 E**
EW-01	06/22/05	SPT	< 1.0	< 1.0	< 1.0	**10**	**2.5**	**600**	< 1.0	**2.2**	< 1.0	**6.3**	**1.9**	< 1.0	< 1.0	**600 E**
EW-01	09/22/05	ORG	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	**210 E**	< 0.50	**0.59**	< 0.50	**1.5**	**0.58**	< 0.50	< 0.50	**25 E**
EW-100	09/22/05	FD	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	**77 E**	< 0.50	**0.53**	< 0.50	**1.5**	**0.53**	< 0.50	< 0.50	**24 E**
EW-01	09/22/05	SPT	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**120 E**	< 0.50	**0.5**	< 0.50	**1.0**	< 0.50	< 0.50	< 0.50	**73 E**
EW-01	12/19/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.1**
EW-100	12/19/05	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.74**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.5**
EW-01	03/22/06	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**1.0**	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	< 0.50	< 0.50	**83**
EW-100	03/22/06	FD	< 0.50	< 0.50	< 0.50	**2.0**	**0.90**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	**78**
EW-01	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**
EW-100	06/21/06	FD	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**5.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**
EW-01	12/11/06	ORG	**2.0**	< 0.50	< 0.50	**1.6**	< 0.50	**4.3 E**	< 0.50	< 0.50	< 0.50	**0.80**	< 0.50	< 0.50	< 0.50	**42**
EW-01	12/11/06	SPT	**2.0**	< 0.50	< 0.50	**1.0**	< 0.50	**68 E**	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	< 0.50	**0.50 U**	**48**
EW-01	03/14/07	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**90**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**33**
EW-100	03/14/07	FD	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**90**	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	< 0.50	**30**
EW-01	06/22/07	ORG	< 0.50	< 0.50	**0.57**	< 0.50	< 0.50	**24**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**
EW-01	09/27/07	ORG	< 0.50	< 0.50	< 0.50	**3.8**	**0.90**	< 0.50	< 0.50	**0.73**	< 0.50	**2.1**	**0.56**	< 0.50	< 0.50	**110**
EW-01	12/13/07	ORG	< 0.50	**0.53**	**1.2**	**16**	**4.0**	**820**	**0.52**	**3.3**	< 0.50	**10**	**2.8**	< 0.50	< 0.50	**660**
EW-100	12/13/07	FD	< 0.50	**0.55**	**1.1**	**16**	**4.2**	**710**	< 0.50	**3.4**	< 0.50	**9.7**	**2.7**	< 0.50	< 0.50	**650**
EW-01	12/13/07	SPT	< 0.50	< 0.50	**1.0**	**14**	**3.0**	**740**	< 0.50	**3.0**	< 0.50	**8.7**	**3.0**	< 0.50	< 0.50	**770**
EW-01	06/25/08	ORG	< 0.50	< 0.50	**0.61**	**9.5**	**2.2**	**1,600 E**	< 0.50	**2.6**	< 0.50	**5.7**	**2.0**	< 0.50	**4.6**	**710**
EW-100	06/25/08	FD	< 1.0	< 1.0	< 1.0	**8.8**	**2.2**	**840 E**	**1.1**	**2.6**	< 1.0	**5.7**	**1.8**	< 1.0	**2.8**	**800**
EW-01	06/25/08	SPT	< 5.0	< 5.0	< 5.0	**8.0**	< 5.0	**620 E**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**530**
EW-01	07/08/08	ORG	< 2.5	< 2.5	< 2.5	**8.5**	< 2.5	**720**	< 2.5	**2.6**	< 2.5	**5.5**	< 2.5	< 2.5	< 2.5	**490**
EW-01	07/09/08	ORG	< 0.50	< 0.50	**0.76**	**9.2**	**1.9**	**820**	< 0.50	**2.2**	< 0.50	**5.0**	**1.9**	< 0.50	< 0.50	**410**
EW-01	07/10/08	ORG	< 0.50	< 0.50	< 0.50	**6.1**	**1.5**	**580**	< 0.50	**2.1**	< 0.50	**3.2**	**1.3**	< 0.50	< 0.50	**340**
EW-01	07/15/08	ORG	< 1.0	< 1.0	< 1.0	**7.0**	**1.8**	**630**	< 1.0	**2.3**	< 1.0	**4.6**	**1.4**	< 1.0	< 1.0	**350**
EW-01	07/16/08	ORG	< 1.0	< 1.0	< 1.0	**7.2**	**1.7**	**1,000**	< 1.0	**1.8**	< 1.0	**3.9**	**1.9**	< 1.0	< 1.0	**320**
EW-01	07/23/08	ORG	< 1.0	< 1.0	< 1.0	**5.2**	**1.2**	**520**	< 1.0	**2.3**	< 1.0	**2.6**	**1.2**	< 1.0	< 1.0	**190**
EW-01	07/30/08	ORG	< 1.0	< 1.0	< 1.0	**5.5**	**1.1**	**360**	< 1.0	**1.2**	< 1.0	**2.6**	**1.0**	< 1.0	< 1.0	**200**
EW-01	08/06/08	ORG	< 1.0	< 1.0	< 1.0	**4.2**	< 1.0	**340**	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0	**190**
EW-01	08/25/08	ORG	< 0.50	< 0.50	< 0.50	**3.0**	**0.62**	**230**	< 0.50	**0.84**	< 0.50	**1.5**	**0.65**	< 0.50	< 0.50	**130**
EW-01	09/24/08	ORG	< 0.50	< 0.50	< 0.50	**2.4**	**0.57**	**180**	< 0.50	**0.94**	< 0.50	**1.2**	**1.3**	< 0.50	< 0.50	**74**
EW-01	10/22/08	ORG	< 0.50	< 0.50	< 0.50	**2.7**	**0.5**	**200**	< 0.50	**0.66**	< 0.50	**1.2**	**0.54**	< 0.50	< 0.50	**120**
EW-01	11/26/08	ORG	< 0.50	< 0.50	< 0.50	**2.9**	**0.65**	**190**	< 0.50	**0.63**	< 0.50	**1.5**	**0.51**	< 0.50	< 0.50	**110**
EW-01	02/25/09	ORG	< 0.50	< 0.50	< 0.50	**4.8**	**0.93**	**360**	< 0.50	< 0.50	< 0.50	**3.0**	**1.0**	< 0.50	< 0.50	**160**
EW-01	03/18/09	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	**70**
EW-01	04/29/09	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**150**	< 0.50	**0.60**	< 0.50	**0.86**	< 0.50	< 0.50	< 0.50	**80**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)												Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
EW-01	05/27/09	ORG	< 0.50	< 0.50	< 0.50	**3.4**	**0.76**	**320**	< 0.50	**0.79**	< 0.50	**1.5**	**0.90**	< 0.50	< 0.50	**150**
EW-01	06/29/09	ORG	< 0.50	< 0.50	< 0.50	**2.2**	**0.53**	**200**	< 0.50	**0.76**	< 0.50	**1.2**	**0.58**	< 0.50	< 0.50	**120**
EW-01	07/22/09	ORG	< 0.50	< 0.50	< 0.50	**3.2**	**0.64**	**260**	< 0.50	**0.66**	< 0.50	**1.3**	**0.62**	< 0.50	< 0.50	**120**
EW-01	08/14/09	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**190**	< 0.50	< 0.50	< 0.50	**0.98**	< 0.50	< 0.50	< 0.50	**81**
EW-01	09/11/09	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**0.70**	**280**	< 0.50	**0.66**	< 0.50	**1.3**	**0.60**	< 0.50	< 0.50	**120**
EW-01	10/08/09	ORG	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	**0.92**	< 0.50	< 0.50	< 0.50	**87**
EW-01	12/09/09	ORG	< 0.50	< 0.50	**0.65**	**9.2**	**2.1**	**720**	< 0.50	**2.0**	< 0.50	**5.1**	**1.7**	< 0.50	< 0.50	**490**
EW-01	03/05/10	ORG	< 1.0	< 1.0	< 1.0	**6.7**	**1.6**	**500**	< 1.0	**1.9**	< 1.0	**3.2**	**1.6**	< 1.0	< 1.0	**370**
EW-01	06/11/10	ORG	< 1.0	< 1.0	< 1.0	**9.7**	**1.9**	**720**	< 1.0	**1.9**	< 1.0	**4.7**	**1.6**	< 1.0	< 1.0	**400**
EW-01	09/08/10	ORG	< 1.0	< 1.0	< 1.0	**10**	**2.4**	**720**	< 1.0	**2.0**	< 1.0	**4.7**	**2.0**	< 1.0	< 1.0	**370**
EW-01	12/07/10	ORG	< 1.0	< 1.0	< 1.0	**7.5**	**1.4**	**600 E**	< 1.0	**1.4**	< 1.0	**2.7**	**1.2**	< 1.0	< 1.0	**220**
EW-01	12/07/10	SPT	< 5	< 5	< 5	< 5	< 5	**340 E**	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**290**
EW-01	03/24/11	ORG	< 0.50	< 0.50	< 0.50	**2.6**	**0.59**	**200**	< 0.50	**0.82**	< 0.50	**1.3**	**0.54**	< 0.50	< 0.50	**64**
EW-01	06/23/11	ORG	< 0.50	< 0.50	< 0.50	**2.1**	< 0.50	**180**	< 0.50	**0.50**	< 0.50	**0.83**	**0.52**	< 0.50	< 0.50	**59**
EW-100	06/23/11	FD	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**180**	< 0.50	< 0.50	< 0.50	**0.96**	< 0.50	< 0.50	< 0.50	**68**
EW-01	08/02/11	ORG	< 0.50	< 0.50	< 0.50	**3.1**	**0.61**	**370**	< 0.50	**0.67**	< 0.50	**1.4**	**0.55**	< 0.50	< 0.50	**80 E**
EW-01	11/01/11	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**82**	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	< 0.50	< 0.50	**54**
EW-01	02/06/12	ORG	< 0.50	< 0.50	< 0.50	**0.85**	< 0.50	**59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
EW-01	05/07/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	< 0.50	**0.78**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.0**
EW-01	08/06/12	ORG	**1.0**	< 0.50	< 0.50	**1.2**	< 0.50	**94**	< 0.50	< 0.50	< 0.50	**0.56**	< 0.50	< 0.50	< 0.50	**42 E**
EW-0100	08/06/12	FD	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**99**	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	< 0.50	< 0.50	**44 E**
EW-01	08/06/12	SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	**64**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**65 E**
EW-01	11/05/12	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**190**	< 0.50	< 0.50	< 0.50	**0.75**	< 0.50	< 0.50	< 0.50	**83**
EW-01	02/04/13	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	**0.67**	< 0.50	< 0.50	< 0.50	**58**
EW-01	05/13/13	ORG	< 0.50	< 0.50	< 0.50	**0.78**	< 0.50	**57**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**41**
EW-01	08/12/13	ORG	< 0.50	< 0.50	< 0.50	**2.9**	**0.56**	**220**	< 0.50	**0.76**	< 0.50	**0.85**	< 0.50	< 0.50	< 0.50	**81**
EW-01	11/11/13	ORG	< 0.50	< 0.50	< 0.50	**2.8**	< 0.50	**160**	< 0.50	**0.55**	< 0.50	**1.3**	**0.54**	< 0.50	< 0.50	**130**
EW-01	02/03/14	ORG	< 0.50	< 0.50	< 0.50	**3.5**	**1.1**	**190**	< 0.50	**1.1**	< 0.50	**1.4**	**0.81**	< 0.50	< 0.50	**140**
EW-01	05/20/14	ORG	< 0.50	< 0.50	**0.65**	**7.5**	**2.1**	**500**	< 0.50	**1.6**	< 0.50	**3.7**	**1.2**	**0.61**	< 0.50	**380**
EW-01	08/18/14	ORG	< 2.5	< 2.5	< 2.5	**14**	**4.0**	**950**	< 2.5	**3.8**	< 2.5	**8.4**	**3.1**	< 2.5	< 2.5	**970**
EW-01	11/04/14	ORG	< 2.0	< 2.0	< 2.0	**16**	**4.0**	**960**	< 2.0	**4.3**	< 2.0	**9.0**	**3.3**	< 2.0	< 2.0	**990 E**
EW-0100	11/04/14	FD	< 2.0	< 2.0	< 2.0	**16**	**4.2**	**1,000**	< 2.0	**3.6**	< 2.0	**9.0**	**3.0**	< 2.0	< 2.0	**920 E**
EW-01	11/04/14	SPT	< 0.50	**0.57**	**1.2**	**16**	**3.6**	**720**	< 1.0	**2.3**	< 1.0	**8.8**	**2.7**	< 10	< 1.0	**1,800 E**
EW-01	02/02/15	ORG	< 1.0	< 1.0	< 1.0	**11**	**2.4**	**610**	< 1.0	**2.8**	< 1.0	**5.7**	**2.3**	< 1.0	< 1.0	**340**
EW-0100	02/02/15	FD	< 1.0	< 1.0	< 1.0	**11**	**2.4**	**670**	< 1.0	**2.8**	< 1.0	**5.4**	**2.3**	< 1.0	< 1.0	**350**
EW-01	02/02/15	SPT	< 2.5	< 2.5	< 5.0	**8.6**	< 2.5	**470**	< 5.0	< 5.0	< 5.0	**5.8**	< 5.0	< 50	< 5.0	**360**
EW-01	05/11/15	ORG	< 0.50	< 0.50	< 0.50	**2.8**	**0.73**	**240**	< 0.50	**0.83**	<2.0	**1.6**	**0.67**	<2.0	<2.0	**180**
EW-01	08/10/15	ORG	< 0.50	< 0.50	< 0.50	**7.0**	**1.7**	**560**	< 0.50	**1.7**	<2.0	**3.6**	**1.5**	<2.0	<2.0	**300**
EW-01	11/02/15	ORG	<1.0	<1.0	<1.0	**7.4**	**1.6**	**400**	<1.0	**1.1**	<1.0	**4.2**	**2.1**	<1.0	<1.0	**240**
EW-01	05/02/16	ORG	< 0.50	< 0.50	< 0.50	**3.3**	**0.61**	**250**	< 0.50	**0.78**	< 0.50	**1.5**	< 0.50	< 0.50	< 0.50	**73**
EW-01	08/01/16	ORG	< 0.50	< 0.50	< 0.50	**5.6**	< 0.50	**430**	< 0.50	< 0.50	< 0.50	**1.7**	**0.76**	**0.60**	< 0.50	**90**
EW-01	11/07/16	ORG	< 0.50	< 0.50	< 0.50	**4.5**	**0.70**	**300**	< 0.50	**0.69**	< 0.50	**1.7**	**0.77**	< 0.50	< 0.50	**110**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
EW-01	11/07/16	FD	< 0.50	< 0.50	< 0.50	**4.5**	**0.72**	**270**	< 0.50	**0.64**	< 0.50	**1.8**	**0.70**	< 0.50	< 0.50	**100**
EW-01	11/07/16	SPT	< 0.50	< 0.50	< 1.0	**3.9**	**0.60**	**290**	< 1.0	**0.79**	< 1.0	**1.6**	**0.84**	< 1.0	< 1.0	**160**
EW-01	02/06/17	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**75**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**36**
EW-0100	02/06/17	FD	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**
EW-01	02/06/17	SPT	< 0.50	< 0.50	< 1.0	**0.84 J**	< 0.50	**64**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**46**
EW-01	05/15/17	ORG	< 0.50	< 0.50	**0.23 J**	**2.0**	**0.50**	**120**	< 0.50	**0.55**	< 0.50	**1.1**	**0.49 J**	< 0.50	< 0.50	**110**
EW-0100	05/15/17	FD	< 0.50	< 0.50	**0.24 J**	**1.9**	**0.49 J**	**110**	< 0.50	**0.56**	< 0.50	**1.0**	< 0.50	< 0.50	< 0.50	**110**
EW-01	05/15/17	SPT	< 0.50	< 0.50	< 1.0	**2.0**	**0.42 J**	**160**	< 1.0	**0.57 J**	< 1.0	**1.0**	**0.41 J**	< 10	< 1.0	**130**
EW-01	08/07/17	ORG	< 0.50	< 0.50	**0.23 J**	**2.2**	**0.23 J**	**110**	< 0.50	**0.48 J**	< 0.50	**0.67**	< 0.50	< 0.50	< 0.50	**43 E**
EW-0100	08/07/17	FD	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**120**	< 0.50	**0.44 J**	< 0.50	**0.72**	< 0.50	< 0.50	< 0.50	**40 E**
EW-01	08/07/17	SPT	< 0.50	< 0.50	< 1.0	**2.2**	**0.42 J**	**130**	< 1.0	< 1.0	< 1.0	**0.74 J**	**0.44 J**	< 10	< 1.0	**64 E**
EW-01	11/06/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-01	03/19/18	ORG	< 0.50	< 0.50	**0.25 J**	< 0.50	< 0.50	**40**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**
EW-01 Historical Range* **			< 0.50 - 2.0	< 0.50 - 0.55	< 0.50 - 1.2	< 0.50 - 16	< 0.50 - 4.0	0.50 - 1,600	< 0.50 - 0.52	< 0.50 - 4.3	< 0.50 - < 2.5	< 0.50 - 10	< 0.50 - 3.3	< 0.50 - 0.61	< 0.50 - 4.6	< 2.0 - 990 E
EW-02	10/30/09	ORG	< 0.50	< 0.50	< 0.50	**0.70**	< 0.50	**52**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.85**	**24**
EW-200	10/30/09	FD	< 0.50	< 0.50	< 0.50	**0.73**	< 0.50	**55**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.78**	**23**
EW-02	03/22/10	ORG	< 0.50	< 0.50	< 0.50	**0.92**	< 0.50	**82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**
EW-02	03/23/10	ORG	< 0.50	< 0.50	< 0.50	**0.94**	< 0.50	**82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**24**
EW-02	03/24/10	ORG	< 0.50	< 0.50	< 0.50	**0.85**	< 0.50	**74**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**
EW-02	03/25/10	ORG	< 0.50	< 0.50	< 0.50	**0.79**	< 0.50	**70**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**
EW-02	03/26/10	ORG	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	**76**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
EW-02	04/01/10	ORG	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	**81**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**
EW-02	04/09/10	ORG	< 0.50	< 0.50	< 0.50	**0.90**	< 0.50	**85**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**
EW-02	04/13/10	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	< 0.50	**43**
EW-02	04/23/10	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**91**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**35**
EW-02	05/25/10	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**100**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**38**
EW-02	06/10/10	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0	< 5.0	**40**
EW-02	07/08/10	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**48**
EW-02	08/02/10	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**42**
EW-02	09/02/10	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**42**
EW-02	10/07/10	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**39**
EW-02	11/11/10	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**33**
EW-02	12/07/10	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**
EW-02	01/13/11	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**99**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**
EW-02	02/03/11	ORG	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	**83**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**
EW-02	03/02/11	ORG	< 0.50	< 0.50	< 0.50	**0.71**	< 0.50	**77**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**
EW-02	04/01/11	ORG	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**
EW-02	05/04/11	ORG	< 0.50	< 0.50	< 0.50	**0.79**	< 0.50	**83**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
EW-02	06/07/11	ORG	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
EW-02	07/02/11	ORG	< 0.50	< 0.50	< 0.50	**0.73**	< 0.50	**87**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-02	08/01/11	ORG	< 0.50	< 0.50	< 0.50	**0.91**	< 0.50	**75**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**21**
EW-02	09/09/11	ORG	< 0.50	< 0.50	< 0.50	**0.82**	< 0.50	**90**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
EW-02	10/17/11	ORG	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
EW-02	11/01/11	ORG	< 0.50	< 0.50	< 0.50	**0.69**	< 0.50	**55**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (-/5)	1,2-DCA (-/-)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (-/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
EW-02	12/07/11	ORG	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	**62**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
EW-02	01/06/12	ORG	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**85**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**
EW-02	02/08/12	ORG	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**54**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.4**
EW-02	03/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
EW-02	04/16/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**45**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**
EW-02	05/01/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**37**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
EW-02	06/08/12	ORG	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
EW-02	07/11/12	ORG	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**64**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
EW-02	08/03/12	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**
EW-02	09/06/12	ORG	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	**62**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
EW-02	10/15/12	ORG	< 0.50	< 0.50	< 0.50	**0.74**	< 0.50	**75**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-02	11/05/12	ORG	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**63**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
EW-02	12/10/12	ORG	< 0.50	< 0.50	< 0.50	**0.68**	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**
EW-02	01/04/13	ORG	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	**63**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
EW-02	02/09/13	ORG	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**39**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**
EW-02	09/06/12	ORG	< 0.50	< 0.50	< 0.50	**0.60**	< 0.50	**50**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-02	04/15/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
EW-02	05/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**46**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**
EW-02	06/13/13	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**54**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**
EW-02	07/02/13	ORG	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	**64**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**
EW-02	08/10/13	ORG	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**24**
EW-02	09/03/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.7**
EW-02	10/05/13	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**75**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**
EW-02	11/01/13	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**54**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**28**
EW-02	12/11/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**49**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**
EW-02	01/17/14	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**34**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**21**
EW-02	02/11/14	ORG	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	**49**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**
EW-02	03/04/14	ORG	< 0.50	< 0.50	< 0.50	**0.59**	< 0.50	**57**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**41**
EW-02	08/18/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.1**
EW-02	11/03/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.3**
EW-02	02/15/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.8**
EW-02	03/06/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.2**
EW-02	04/02/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
EW-02	05/01/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**42**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**
EW-02	06/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**48**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-02	07/14/15	ORG	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	**59**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**
EW-02	08/06/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**48**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
EW-02	09/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**53**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**
EW-02	10/06/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**40**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**
EW-02	11/05/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**38**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
EW-02	12/03/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**45**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-02	12/11/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**53**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
EW-02	01/07/16	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**49**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
EW-02	01/21/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**43**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**
EW-02	02/01/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**48**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Regional Groundwater System Monitor and Extraction Wells (cont'd)																
EW-02	03/03/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**34**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
EW-02	04/05/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**35**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**
EW-02	05/05/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**36**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**
EW-02	06/01/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**
EW-02	06/16/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**36**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.6**
EW-02	07/07/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.3**
EW-02	07/21/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**38**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.4**
EW-02	08/04/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.5**
EW-02	08/18/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**
EW-02	09/08/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.1**
EW-02	09/15/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.2**
EW-02	10/06/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.6**
EW-02	10/20/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.8**
EW-02	11/01/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**37**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**73 U**
EW-02	11/1716	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.0**
EW-02	12/01/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.2**
EW-02	12/16/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**85 U**
EW-02	01/06/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.5**
EW-02	01/26/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.5**
EW-02	02/03/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.5**
EW-02	02/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.1**
EW-02	03/02/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.0**
EW-02	03/16/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	04/06/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**
EW-02	04/20/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	05/04/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**15**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**95 U**
EW-02	05/18/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	06/01/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	06/15/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.9**
EW-02	07/06/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**
EW-02	07/20/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.6**
EW-02	08/03/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**16**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	08/17/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	09/01/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.4**
EW-02	09/14/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	10/19/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	10/06/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	11/06/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	11/20/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	12/04/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	12/14/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	01/04/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	01/18/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	02/01/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	02/15/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**
EW-02 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 1.5	< 0.50	4.6 - 160	< 0.50	< 0.50	< 0.50	< 0.50 - 0.59	< 0.50	< 0.50	< 0.50 - 0.85	< 2.0 - 48

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
Perched Zone Piezometers																
P-07	06/23/97	ORG	< 1.0	**14**	**8.3**	**154**	< 1.0	**23,300**	**5.1**	**52**	**1,400**	**22**	**39**	< 1.0	< 1.0	NA
P-07	08/16/99	ORG	< 1,000	< 1,000	< 1,000	< 1,000	< 1,000	**22,600**	< 1,000	< 1,000	**1,180**	< 1,000	< 1,000	< 1,000	< 1,000	NA
P-07	01/26/00	ORG	**6.0**	< 5.0	< 5.0	**64**	< 5.0	**4,730**	< 5.0	**17**	**270**	**17**	**17**	< 5.0	< 5.0	NA
P-07	05/18/00	ORG	**12**	**7.7**	**5.8**	**98**	**17**	**13,000**	< 5.0	**36**	**355**	**25**	**37**	< 5.0	< 5.0	NA
P-07	05/10/01	ORG	**3.0 J**	**2.0 J**	**3.0 J**	**44**	**11**	**4,100**	< 5.0	**12**	**54**	**14**	**34**	< 5.0	< 5.0	**2,020**
P-07	10/24/01	ORG	< 25	< 25	< 25	< 25	< 25	**930**	< 25	< 25	< 25	< 25	< 25	< 25	< 25	**1,560**
P-07	04/18/02	ORG	< 5.0	< 5.0	< 5.0	**23**	**7.0**	**2,200**	< 5.0	**6.0**	**14**	**7.7**	**9.3**	< 5.0	< 5.0	**2,200 J**
P-07	04/18/02	SPT	**0.90**	**1.1**	**2.1**	**27.2**	**7.1**	**1,360**	**0.9**	**5.4**	**13**	**6.8**	**9.8**	**2.1**	< 0.50	**1,960**
P-07	11/21/02	ORG	**0.82**	< 0.50	**2.1**	**24**	**7.4**	**1,900**	**1.2**	**7.7**	< 0.50	**8.0**	**12**	**3.8**	< 0.50	**2,800**
P-07	06/11/03	ORG	**0.84**	< 0.50	**1.9**	**25**	**7.0**	**1,600**	**0.98**	**7.3**	**7.6**	**7.6**	**10**	**3.8**	< 0.50	**3,100**
P-07	09/25/03	ORG	**0.57**	< 0.50	**1.9**	**17**	< 0.50	**890**	**0.75**	**3.5**	**3.2**	**7.1**	**5.8**	**1.8**	< 0.50	**1,300**
P-07	12/17/03	ORG	**0.68**	**1.0**	**1.8**	**25**	**6.8**	**1,400**	**1.1**	**6.1**	**6.5**	**7.3**	**9.6**	**1.3**	< 1.0	**990**
P-07	03/31/04	ORG	< 5.0	< 5.0	< 5.0	**26**	< 5.0	**2,100**	< 5.0	**7.8**	**6.7**	**6.0**	**11**	< 5.0	< 5.0	**920**
P-07	06/17/04	ORG	< 5.0	< 5.0	< 5.0	**23**	< 5.0	**1,600**	< 5.0	< 5.0	< 5.0	**7.0**	**7.9**	< 5.0	< 5.0	**990**
P-07	12/15/04	ORG	< 5.0	< 5.0	**0.72**	**8.3**	**3.4**	**640**	< 5.0	**1.9**	< 0.50	**3.3**	**3.1**	< 5.0	< 0.50	**360**
P-07	03/23/06	ORG	**1.3**	**3.4**	**3.7**	**45**	**10**	**3,900**	**1.8**	**12**	< 0.50	**6.7**	**16**	**3.4**	< 0.50	**2,100**
P-07	03/23/06	SPT	< 3.0	< 3.0	< 3.0	**30**	< 3.0	**3,200**	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	**1,900 J**
P-07	06/22/06	ORG	< 5.0	< 5.0	< 5.0	**32**	**8.7**	**4,200**	< 5.0	**14**	< 5.0	**6.0**	**18**	< 5.0	< 5.0	**1,400**
P-07	06/22/06	SPT	< 20	< 20	< 20	**30**	< 20	**3,100**	< 20	< 20	< 20	< 20	< 20	< 20	< 20	**NA**
P-07	09/28/06	ORG	< 5.0	< 5.0	< 5.0	**44**	< 5.0	**5,300**	< 5.0	**12**	< 5.0	**6.1**	**17**	< 5.0	< 5.0	**2,300**
P-07	12/19/06	ORG	< 1.0	< 1.0	< 1.0	**38**	< 1.0	**3,600**	< 1.0	**13**	< 1.0	< 1.0	**13**	< 1.0	< 1.0	**2,300**
P-07	03/13/07	ORG	**1.1**	**2.4**	**2.8**	**31**	**8.0**	**3,100**	**1.7**	**10**	< 0.50	**7.2**	**13**	**2.4**	< 0.50	**2,300**
P-07	03/19/08	ORG	< 2.5	< 2.5	**3.9**	**31**	**8.4**	**3,200**	< 2.5	**8.4**	< 2.5	**7.0**	**11**	**5.2**	< 2.5	**2,300**
P-07	06/27/08	ORG	**0.95**	**2.6**	**3.8 U**	**36**	**11**	**4,500**	**1.9**	**9.4**	< 0.50	**9.3**	**15**	**10**	< 0.50	**2,500**
P-07	09/25/08	ORG	< 5.0	< 5.0	< 5.0	**30**	**6.8**	**3,000**	< 5.0	**7.9**	< 5.0	**7.1**	**17**	**17**	< 5.0	**2,500 B**
P-07	12/18/08	ORG	< 5.0	< 5.0	< 5.0	**30**	**8.0**	**2,800**	< 5.0	**6.8**	< 5.0	**8.2**	**8.4**	< 5.0	< 5.0	**2,600**
P-07	03/17/09	ORG	< 10	< 10	< 10	**40**	< 10	**3,500**	< 10	< 10	< 10	**12**	**14**	< 10	< 10	**2,600**
P-07	06/25/09	ORG	< 10	< 10	< 10	**29**	< 10	**3,100**	< 10	< 10	< 10	**11**	**10**	< 10	< 10	**2,900**
P-07	09/01/09	ORG	< 5.0	< 5.0	< 5.0	**27**	**7.0**	**2,500**	< 5.0	**7.4**	< 5.0	**8.7**	**10**	< 5.0	< 5.0	**2,600**
P-07	12/10/09	ORG	< 5.0	< 5.0	< 5.0	**37**	**8.8**	**3,300**	< 5.0	**9.7**	< 5.0	**11**	**11**	< 5.0	< 5.0	**2,800**
P-07	03/03/10	ORG	< 5.0	< 5.0	< 5.0	**35**	**9.8**	**3,500**	< 5.0	**9.9**	< 5.0	**14**	**12**	< 5.0	< 5.0	**3,100**
P-07	06/11/10	ORG	< 5.0	< 5.0	< 5.0	**33**	**7.4**	**2,400**	< 5.0	**5.6**	< 5.0	**12**	**9.7**	< 5.0	< 5.0	**2,500**
P-07	09/10/10	ORG	< 5.0	< 5.0	< 5.0	**28**	**7.1**	**1,900**	< 5.0	**6.7**	< 5.0	**7.8**	**13**	< 5.0	< 5.0	**2,500**
P-07	12/10/10	ORG	< 5.0	< 5.0	< 5.0	**29**	**6.0**	**2,700**	< 5.0	**7.1**	< 5.0	**9.1**	**8.9**	< 5.0	< 5.0	**2,000**
P-07	03/30/11	ORG	< 5.0	< 5.0	< 5.0	**29**	**7.9**	**2,400**	< 5.0	**9.6**	< 5.0	**12**	**11**	< 5.0	< 5.0	**1,000**
P-07	02/09/12	ORG	< 20	< 20	< 20	**33**	< 20	**2,800**	< 20	< 20	< 20	< 20	< 20	< 20	< 20	**2,200**
P-07	02/07/13	ORG	< 2.5	< 2.5	< 2.5	**22**	**6.6**	**1,600**	< 2.5	**4.8**	< 2.5	**7.2**	**5.9**	**2.8**	< 2.5	**1,900**
P-07	02/14/14	ORG	< 2.0	**1.1**	**1.6**	**17**	**4.9**	**1,100**	< 2.0	**5.7**	< 2.0	**5.4**	**4.9**	**3.1**	< 2.0	**1,400**
P-07	02/05/15	ORG	< 2.0	< 2.0	< 2.0	**17**	**4.0**	**1,700**	< 2.0	**5.3**	< 2.0	**6.0**	**6.0**	**5.2**	< 2.0	**1,600**
P-07	02/03/16	ORG	< 2.5	< 2.5	**2.6**	**19**	**4.2**	**1,600**	< 2.5	**3.6**	< 2.5	**4.8**	**3.6**	**4.4**	< 2.5	**1,500**
P-07	02/07/17	ORG	< 2.5	< 2.5	< 2.5	**20**	< 2.5	**2,100**	< 2.5	**4.6**	< 2.5	**5.0**	**6.2**	**6.0**	< 2.5	**1,300**
P-07	02/28/18	ORG	< 2.5	< 2.5	< 2.5	**19**	**4.4**	**1,900**	< 2.5	**5.2**	< 2.5	**4.0**	**4.2**	**5.2**	< 2.5	**370 E**
P-07 Historical Range* **			0.57 - 12	1 - 14	0.72 - 8.3	8.3 - 154	< 0.50 - 17	640 - 23,300	0.75 - 5.1	1.9 - 52	< 0.50 - 1,400	< 1.0 - 25	3.1 - 39	< 1.0 - 17	< 0.50	360 - 3,100

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
P-09	09/25/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	10/08/03	ORG	< 0.50	< 0.50	< 0.50	**0.87**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	12/18/03	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**32**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	03/30/04	ORG	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	06/17/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-900	06/17/04	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.2
P-09	06/17/04	SPT	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
P-09	09/21/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.1
P-09	12/15/04	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.2
P-09	03/16/05	ORG	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	**88**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.2
P-09	06/24/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**43 E**	< 0.50	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	< 0.50	< 2.0
P-09	09/22/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	12/20/05	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.2
P-09	12/20/05	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**29**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**
P-09	03/22/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.8**
P-09	06/21/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	09/28/06	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.2
P-09	12/18/06	ORG	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**37**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	03/13/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	06/21/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	09/26/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	12/12/07	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	03/18/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	06/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	09/26/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	12/16/08	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	03/17/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.1**
P-09	06/25/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.7
P-09	09/01/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	12/08/09	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5
P-09	03/02/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	06/10/10	ORG	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	09/09/10	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	12/08/10	ORG	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**21**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
P-09	03/30/11	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.86**
P-09	02/09/12	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.68**
P-09	02/07/13	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
P-09	02/05/14	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.56**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.35**
P-09	02/04/15	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.29**
P-09	02/02/16	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
P-09	02/08/17	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
P-09	02/28/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.8**	< 0.50	**0.40 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.1**
Historical High/Low										**High**						
P-09 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 0.87	< 0.50	0.56 - 130	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.58	< 0.50	< 0.50	< 0.20 - 7.1

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

Well Identifier / Sample Identifier	Date Sampled	QA Code	VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
			Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
MW-6-W-104	01/16/97	ORG	< 1.0	**12**	**33**	**500**	< 1.0	**19,000**	**24**	**89**	**2,800**	**223**	**73**	< 1.0	< 1.0	NA
MW-9-113-PW	03/21/97	ORG	< 1.0	**10**	**15**	**210**	< 1.0	**27,300**	**8.2**	**65**	**4,500**	**120**	**48**	**11**	< 1.0	NA
QUALITY ASSURANCE/QUALITY CONTROL SAMPLES																
TB-051115	05/11/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-051215	05/12/15	TB-SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-051315	05/13/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-06052015	06/05/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-071415	07/14/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-080615	08/06/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-081015	08/10/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-081115	08/11/15	TB-SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-081215	08/12/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-081315	08/13/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-081315	08/13/15	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
TB-082015	08/20/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-090315A	09/03/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-100615	10/06/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110215	11/02/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110215B	11/02/15	TB-SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-110315	11/03/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110415	11/04/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110515	11/05/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-110415	11/04/15	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.20
TB-120315	12/03/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-121115	12/11/15	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-010716	01/07/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-012116	01/21/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-02116	02/01/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020316	02/03/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020316B	02/03/16	TB-SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-020416	02/04/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-020416	02/04/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
RB-020416A	02/04/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
TB-030316	03/03/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-040516	04/05/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-050216	05/02/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-050316	05/03/16	TB-SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-050516	05/05/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-060116	06/01/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-070716	06/16/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-070716	07/07/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-072116	07/21/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-080116	08/01/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-080216	08/02/16	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
TB-080216B	08/02/16	TB	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
QUALITY ASSURANCE/QUALITY CONTROL SAMPLES (continued)																
TB-080316A	08/03/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-080416	08/04/16	TB-SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	NA
TB-090816	09/08/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-091516	09/15/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-100616	10/16/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-102016	10/20/16	TB	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-110116	11/01/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110716A	11/07/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110716B	11/07/16	TB-SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-110816	11/08/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-111716	11/17/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-120116	12/01/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-121616	12/16/16	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-010617	01/06/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-012617	01/26/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020317	02/03/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020617A	02/06/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020617B	02/06/17	TB-SPT	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
RB-020717	02/07/17	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020817	02/08/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-020817	02/08/17	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020917	02/09/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-030217	03/02/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-031617	03/16/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-040617	04/06/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-042017	04/20/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-050417	05/04/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-051517A	05/15/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-051517B	05/15/17	TB	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-051717	05/17/17	TB	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-051817	05/18/17	TB	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	NA
TB-060117	06/01/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-061517	06/15/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-070617	07/06/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-072017	07/20/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-080317	08/03/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-080717A	08/07/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-080717B	08/07/17	TB-SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	NA
RB-080817	08/08/17	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.76**
TB-080917	08/09/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-080917	08/09/17	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
TB-081017	08/10/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-081717	08/17/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-090117	09/01/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-091417	09/14/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA

TABLE 4

PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER

Concentration (micrograms per liter)

			VOLATILE ORGANIC COMPOUNDS (FEDERAL MCL/CALIFORNIA MCL)													Semi-VOCs
Well Identifier / Sample Identifier	Date Sampled	QA Code	Benzene (5/1)	Carbon Tetrachloride (5/0.5)	Chloroform (80/80)	1,1-DCA (--/5)	1,2-DCA (--/--)	1,1-DCE (7/6)	cis-1,2-DCE (70/6)	PCE (5/5)	1,1,1-TCA (200/200)	1,1,2-TCA (5/5)	TCE (5/5)	TCFM (--/150)	Toluene (1,000/150)	1,4-DIOXANE (3*/1**)
QUALITY ASSURANCE/QUALITY CONTROL SAMPLES (continued)																
TB-101917	10/19/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110617	11/06/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-110717	11/07/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
RB-110717	11/07/17	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
TB-110817	11/08/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-112017	11/20/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-120417	12/04/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-121417	12/14/17	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-010418	01/04/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-011818	01/18/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020118	02/01/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-021518	02/15/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-022718A	02/27/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-022718B	02/27/18	TB-SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	NA
RB-022718	02/27/18	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-022818A	02/28/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-022818B	02/28/18	TB-SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	NA
RB-022818	02/28/18	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**
TB-030118A	03/01/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-030118B	03/01/18	TB-SPT	< 0.50	< 0.50	<1.0	<1.0	< 0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	< 10	<1.0	NA
TB-030218A	03/02/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-030518	03/05/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-031918	03/19/18	TB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA

NOTE: Detections are shown in **BOLD** type.

FOOTNOTES

[a] Reconnaissance groundwater sample; results should be considered qualitative.
[b] Groundwater sample collected after purging two additional casing volumes.
[c] Groundwater sample collected after standard 3 purge volumes.
[d] Groundwater sample collected after 10 purge volumes.
[e] Groundwater sample collected after 30 purge volumes.
[f] Groundwater sample collected after 50 purge volumes.

1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,1-Dichloroethylene
cis-1,2-DCE = cis-1,2-Dichloroethylene
PCE = Tetrachloroethylene
1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
TCE = Trichloroethylene
TCFM = Trichlorofluoromethane
(<) = Less than; the value is the Limit of Detection for that compound
(--) = Not promulgated

Semi-VOCs = Semivolatile organic compounds
E = Data qualified as estimated in accordance with quality control criteria.
NA = Not analyzed for constituent
FD = Field duplicate sample
J = Data qualified as Estimated; does not meet calibration range acceptance criteria.
ORG = Original sample
QA = Quality Assurance
RB = Rinsate blank sample
SPT = Split sample
TB = Trip blank sample
U = Data qualified as unusable in accordance with quality control criteria.
ug/l = Micrograms per liter
MCL = Maximum contaminant level
* = 1,4-Dioxane Action Level of 3 ug/l
** = California Notification Level for 1,4-dioxane of 1 ug/l
*** = Historical Range determined using original samples exclusively
B = Analyte detected in the associated Method Blank

TABLE 5

OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

WELL IDENTIFIER	DATE SAMPLED	QUALITY ASSURANCE CODE	COMPOUNDS	CONCENTRATION (micrograms per liter)
Regional Groundwater System Monitor and Extraction Wells				
EW-01	12/11/06	SPT	Methylene chloride	4
EW-01	12/13/07	ORG	Vinyl chloride	0.58
EW-01	12/13/07	FD	Vinyl chloride	0.6
EW-02	12/07/11	ORG	Naphthalene	6.4
EW-02	12/10/12	ORG	Chloromethane	1.2
EW-02	05/19/16	ORG	Chloromethane	0.51
MW-08	12/20/05	SPT	Methylene chloride	3
MW-08	06/22/06	ORG	Methylene chloride	0.62
MW-08	06/22/06	FD	Methylene chloride	0.69
MW-08	05/13/15	ORG	Ethylbenzene	0.65
MW-08	05/13/15	ORG	m,p-Xylene	2.2
MW-08	05/13/15	ORG	o-Xylene	0.60
MW-08	08/12/15	ORG	m,p-Xylene	1.1
MW-08	08/12/15	ORG	o-Xylene	0.54
MW-16	04/16/02	SPT	2-butanone	7
MW-16	04/16/02	SPT	Acetone	20
MW-16	06/18/04	ORG	Chlorobenzene	1.0
MW-16	12/10/04	ORG	Methylene chloride	1.3
MW-18	11/19/02	ORG	m,p-Xylene	0.54
MW-18	08/13/15	ORG	m,p-Xylene	1.2
MW-18	08/13/15	ORG	o-Xylene	0.52
MW-18	02/28/18	ORG	Chloromethane	0.44 J
MW-21	09/23/03	FD	1,3-Dichloropropane	0.8
MW-21	12/17/03	ORG	trans-1,2-Dichloroethylene	0.62
MW-21	03/17/05	ORG	trans-1,2-Dichloroethylene	0.57
MW-21	12/11/06	SPT	Acetone	40
MW-21	12/11/06	SPT	Methylene chloride	50 E
MW-21	06/24/11	SPT	1,2,2-trichlorotifluoroethane	2
MW-21	02/03/14	SPT	Methylene chloride	8.4
MW-21	11/06/17	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	6.8 J
MW-26C	12/20/07	ORG	1,1-dichloropropene	0.93
MW-26C	08/15/13	ORG	Chlorethane	0.87
MW-27	03/02/18	ORG	Chloromethane	0.86
MW-28	05/27/08	ORG	Vinyl chloride	0.58
MW-28	03/30/11	ORG	Chloromethane	0.91
MW-29	05/11/12	SPT	Tert-Butyl Alcohol	10
MW-29	05/19/16	ORG	Chloromethane	0.61
MW-30B	08/05/11	SPT	1,2,2-trichlorotifluoroethane	2
MW-30B	02/28/18	SPT	n-Butylbenzene	0.26J,U
MW-32B_1SV	05/04/16	ORG	Chloromethane	0.60
MW-33	05/03/16	ORG	Chloromethane	0.50
MW-34A	02/25/11	SPT	Acetone	6 U

TABLE 5

OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

WELL IDENTIFIER	DATE SAMPLED	QUALITY ASSURANCE CODE	COMPOUNDS	CONCENTRATION (micrograms per liter)
MW-34B	02/25/11	SPT	Acetone	6 U
MW-34B	03/10/11	SPT	Acetone	6 U
MW-3400B	05/16/17	FD	Naphthalene	0.50
MW-34B	03/01/18	SPT	Acetone	38
MW-34C	02/25/11	SPT	Acetone	7 U
MW-34C	11/02/11	ORG	Chloromethane	0.5
MW-35A	01/19/11	ORG	Bromodichloromethane	4.3
MW-35A	01/19/11	ORG	Bromoform	1.5
MW-35A	01/19/11	ORG	Bromomethane	0.75
MW-35A	01/19/11	ORG	Chloromethane	0.78
MW-35A	01/19/11	ORG	Dibromochloromethane	2.5
MW-35A	01/19/11	FD	Bromodichloromethane	4.0
MW-35A	01/19/11	FD	Bromoform	1.4
MW-35A	01/19/11	FD	Chloromethane	0.73
MW-35A	01/19/11	FD	Dibromochloromethane	2.4
MW-35A	01/19/11	SPT	Bromodichloromethane	3
MW-35A	01/19/11	SPT	Bromoform	2
MW-35A	01/19/11	SPT	Dibromochloromethane	2
MW-35A	02/03/11	ORG	Bromodichloromethane	3.6
MW-35A	02/03/11	ORG	Bromoform	0.65
MW-35A	02/03/11	ORG	Dibromochloromethane	1.7
MW-35A	02/03/11	FD	Bromodichloromethane	4.1
MW-35A	02/03/11	FD	Bromoform	0.69
MW-35A	02/03/11	FD	Dibromochloromethane	2.0
MW-35A	02/03/11	SPT	Bromodichloromethane	2
MW-35A	02/03/11	SPT	Dibromochloromethane	1
MW-35A	03/28/11	ORG	Bromodichloromethane	0.90
MW-35A	06/22/11	ORG	Bromodichloromethane	0.59
MW-35A	11/01/11	ORG	Chloromethane	0.59
MW-35C	01/19/11	ORG	Bromodichloromethane	11 E
MW-35C	01/19/11	ORG	Bromoform	1.1
MW-35C	01/19/11	ORG	Bromomethane	0.52
MW-35C	01/19/11	ORG	Dibromochloromethane	3.6
MW-35C	01/19/11	FD	Bromodichloromethane	10 E
MW-35C	01/19/11	FD	Bromoform	1.1
MW-35C	01/19/11	FD	Bromomethane	0.90
MW-35C	01/19/11	FD	Chloromethane	0.64
MW-35C	01/19/11	FD	Dibromochloromethane	3.5
MW-35C	01/19/11	SPT	Bromodichloromethane	8 E
MW-35C	01/19/11	SPT	Bromoform	1
MW-35C	01/19/11	SPT	Dibromochloromethane	3
MW-36	05/03/16	ORG	Chloromethane	0.96
MW-36	11/08/16	SPT	Acetone	30
MW-41	03/02/18	ORG	Chloromethane	0.43 J

TABLE 5

OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

WELL IDENTIFIER	DATE SAMPLED	QUALITY ASSURANCE CODE	COMPOUNDS	CONCENTRATION (micrograms per liter)
Perched Zone Piezometers				
P-07	06/22/06	ORG	Methylene chloride	7.4
P-07	03/13/07	ORG	Vinyl chloride	1.2
P-07	06/27/08	ORG	Vinyl chloride	1.8
P-07	09/25/08	ORG	Vinyl chloride	7.8
P-09	12/20/05	SPT	Methylene chloride	3 U
Perched Zone Grab Samples (From Regional Groundwater System Monitor Well Boring)				
MW-6-W-104	01/16/97	ORG	1,1,1,2-tetrachloroethane	1.6
MW-6-W-104	01/16/97	ORG	1,2-Dichloropropane	2.1
Quality Assurance/Quality Control Samples				
RB-08142013	08/14/13	ORG	Methylene chloride	3.7
RB-08142013B	08/14/13	ORG	Methylene chloride	3.4
TB-021315	02/13/15	TB	Methylene chloride	1.0
TB-110515	11/05/15	TB	Methylene chloride	1.2
TB-121115	12/11/15	TB	Methylene chloride	1.5
TB-072116	07/21/16	TB	Methylene chloride	3.6
TB-080316A	08/03/16	TB	Methylene chloride	2.1
TB-121616	12/16/16	TB	Methylene chloride	1.4
TB-022818B	02/28/18	TB	n-Butylbenzene	0.37 B,J
TB-022818B	02/28/18	TB	4-Chlorotoluene	0.16 J
TB-022818B	02/28/18	TB	p-Isopropyltoluene	0.20 B,J
TB-030118B	03/01/18	TB	n-Butylbenzene	0.26 J

FOOTNOTES

E = Estimated
FD = Field duplicate sample
ORG = Original sample
SPT = Split sample
U = Unusable

TABLE 6

PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLING SCHEDULE

COMPOUND(S) / CONSITITUENT	ANALYTICAL METHOD	SAMPLE CONTAINER	REPORTING DETECTION LIMITS (milligrams per liter)	SAMPLE FREQUENCY AND LOCATION: Daily Samples[1]: Days 1-5 — System Influent (INF)	Post-Filter (PF)	Post-Oxidation (POX)	Carbon Breakthrough (CBT)[3]	Post-Carbon (CEFF)	Weekly Samples[1]: Weeks 1-4 — System Influent (INF)	Post-Filter (PF)	Post-Oxidation (POX)	Carbon Breakthrough (CBT)[3]	Post-Carbon (CEFF)	Monthly Samples: Week 5+ — Extraction Wells (Well ID)[2]	System Influent (INF)	Post-Filter (PF)	Post-Oxidation (POX)	Carbon Breakthrough (CBT)[3]	Post-Carbon (CEFF)	Quarterly Samples: Week 1+ — Extraction Wells (Well ID)[2]	System Influent (INF)	Post-Oxidation (POX)	Post-Carbon (CEFF)
COMPOUNDS/CONSTITUENTS NORMALLY REQUIRED AS PART OF NPDES OR WDR PERMITS, PURSUANT TO CRWQCB REGION 8 ORDER NO. R8-2003-0085																								
Volatile Organic Compounds	EPA 8260B	3 - 40 mL VOA, HCl	QAPP[4]	X		X	X	X	X		X	X	X		X	X		X	X	X				
1,4-Dioxane	EPA 8270 Modified	1 L Amber	0.002	X					X						X	X								
1,4-Dioxane	EPA 8270 SIM	1 L Amber	0.0002			X					X							X						
Total Suspended Solids	SM2540D	250 mL poly	10														X							
Total Dissolved Solids	SM2540C	250 mL poly	10																		X	X	X	X
SELECTED METALS																								
Dissolved Metals (Iron, Manganese, Calcium, Sodium, Magnesium)	EPA 6010B	500 mL poly	QAPP[4]	(a)																	X	X		
Selenium	EPA 6010B	500 mL poly, HNO_3	QAPP[4]																		X	X		
SELECTED INORGANIC CONSTITUENTS																								
Hydroxide Alkalinity	SM2320B	250 mL poly	2.0	(a)													X	X			X	X		
Bicarbonate Alkalinity	SM2320B	250 mL poly	2.0	(a)													X	X			X	X		
Carbonate Alkalinity	SM2320B	250 mL poly	2.0	(a)													X	X			X	X		
Total Alkalinity	SM2320B	250 mL poly	2.0	(a)													X	X			X	X		
BROMATE EVALUATION																								
Bromate	EPA 317.0	125 mL poly	0.0005			X					X							X						
Bromide	EPA 300.0	125 mL poly	0.05	(a)					(a)						X	X								
OTHER CONSTITUENTS/COMPOUNDS																								
Total Organic Carbon	SM5310B	3 - 40 mL VOA, HCl	3.0	(a)													X	X			X	X	X	
Anions (Chloride, Sulfate, Nitrate, Nitrite, and Phosphate)	EPA 300.0	500 mL poly	Varies	(a)																	X	X	X	
Chemical Oxygen Demand	EPA 410.4	125 mL poly, H_2SO_4	5.0	(a)																	X	X	X	
UV Absorption (UVA) @254nm	EPA 415.3	250 mL Amber	N/A		(a)												X				X	X	X	
Field Parameters																								
Dissolve Oxygen (DO)	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Electrical Conductance (EC)	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Redox Potential	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Temperature	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
pH	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Turbidity	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Flow-Meter	N/A	N/A	N/A	X				X	X				X	X	X					X				
Residual Hydrogen Peroxide	N/A	N/A	N/A			(a)	(a)	(a)			X	X	X					X	X	X				

FOOTNOTES

(a) Only one sample to be collected during sampling period.

1 Daily and weekly samples collected during the first month of operation will be repeated after major modifications to system equipment or operating parameters, as detailed in the Workplan.

2 If more than one extraction well is in operation, combined influent samples will be collected in addition to extraction wellhead samples, with the same sampling schedule as the extraction wellheads.

3 Carbon breakthrough will be collected from the effluent of the first carbon unit in series; when breakthrough of the first unit is detected, the breakthrough sample will be collected from the effluent of the second carbon unit in series.

4 QAPP, Quality Assurance Project Plan, Appendix B of Additional Groundwater Assessment Workplan, Hargis + Associates, Inc., April 25, 2003.

CRWQCB = California Regional Water Quality Control Board, Santa Ana Region 8
NPDES = National Pollutant Discharge Elimination System
WDR = Waste Discharge Requirement
N/A = Not applicable
mL = Milliliter
VOA = Volatile organic analysis
HCl = Hydrochloric acid
HNO_3 = Nitric acid
H_2SO_4 = Sulfuric acid
nm = Nanometers
EPA = U.S. Environmental Protection Agency
SIM = Selected ion monitoring
SM = Standard Method
L = Liter
poly = High density polyethylene bottle
Amber = Amber glass bottle

TABLE 7

PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATIONAL SUMMARY

OPERATIONAL PERIOD (MONTH/QUARTER/YEAR)	WELLFIELD PRODUCTION[a] (gallons)	AVERAGE DISCHARGE RATE[b] (gpm)	AVERAGE OPERATIONAL DISCHARGE RATE[c] (gpm)	OPERATIONAL HOURS DURING OPERATIONAL PERIOD	HOURS IN OPERATIONAL PERIOD	% OPERATIONAL
2008[d]	3,659,562	13.8	18.2	3,358	4,416	76%
2009	5,787,848	11.0	18.1	5,319	8,760	61%
2010	14,295,261	27.2	46.4	5,131	8,760	59%
2011	20,456,899	38.9	45.8	7,442	8,760	85%
2012[e]	19,378,122	40.2	47.2	6,850	8,040	85%
2013[f]	21,148,029	40.2	45.7	7,713	8,760	88%
2014[g]	7,690,471	14.6	46.8	2,740	8,760	31%
2015[h]	18,019,312	34.3	47.9	6,275	8,760	72%
2016[i]	21,977,404	41.8	44.2	8,284	8,736	95%
2017[j]	18,364,603	34.6	39.8	7,684	8,835	87%
Dec-17	1,738,056	38.8	38.8	746	748	100%
Jan-18	1,170,609	29.0	40.7	479	672	71%
Feb-18	1,567,556	39.7	40.6	643	658	98%
1Q2018	4,476,221	35.9	39.9	1,868	2,077	90%
SINCE INCEPTION	155,253,732	30.6	41.3	62,664	84,664	74%

Notes:

(a) Based on Effluent totalizer readings from the Carbon Effluent, which also includes relatively small amounts of monitor well purge water from quarterly sampling events, well installations, and aquifer testing.

(b) Total volume of water treated during the operational period divided by the total number of minutes in that operational period.

(c) Total volume of water treated during the operational period divided by the minutes of operation in that operational period.

(d) Operational period beginning 7/1/2008 (first month of system operation).

(e) 2012 Calendar year is from 1/1/2012 through 11/30/2012.

(f) 2013 Calendar year is from 12/1/2012 through 11/30/2013.

(g) 2014 Calendar year is from 12/1/2013 through 11/30/2014.

(h) 2015 Calendar year is from 12/1/2014 through 11/30/2015.

(i) 2016 Calendar year is from 12/1/2015 through 11/30/2016.

(j) 2016 Calendar year is from 12/1/2016 through 11/30/2017.

gpm = gallons per minute

Refer to previous quarterly reports for detail of 2008 through 2014 operational summary.

Treatment of groundwater from extraction well EW-02 initiated in 2010.

Treatment of groundwater from monitor well MW-29 initiated in 2014.

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
1,1,2-Trichloroethane	06/22/05	ug/L	--	--	6.5	--	--	--	--	--	--
(5 ug/L MCL)	09/22/05	ug/L	--	--	1.0	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/22/06	ug/L	--	--	1.0	--	--	--	--	--	--
	06/21/06	ug/L	--	--	<0.50	--	--	--	--	--	--
	12/11/06	ug/L	--	--	0.8	--	--	--	--	--	--
	03/14/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	06/22/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/27/07	ug/L	--	--	2.1	--	--	--	--	--	--
	12/13/07	ug/L	--	--	10	--	--	--	--	--	--
	06/25/08	ug/L	--	--	<5	--	--	--	--	--	--
	07/08/08	ug/L	16	--	5.5	--	10	--	8.1	<0.50	<0.50
	07/09/08	ug/L	17	--	5.0	--	10	--	7.8	<0.50	<0.50
	07/10/08	ug/L	13	--	3.2	--	7.8	--	5.1	<0.50	<0.50
	07/15/08	ug/L	13	--	4.6	--	7.4	3.9	5.4	<0.50	<0.50
	07/16/08	ug/L	14	--	3.9	--	8.8	--	5.7	<0.50	<0.50
	07/23/08	ug/L	13	--	2.6	--	<5	--	4.5	<0.50	<0.50
	07/30/08	ug/L	10	--	2.6	--	<5	--	4.4	<0.50	<0.50
	08/06/08	ug/L	7.7	--	2.0	--	<5	--	4.6	<0.50	<0.50
	08/25/08	ug/L	6.3	--	1.5	--	3.2	--	2.8	<0.50	<0.50
	09/24/08	ug/L	4.8	--	1.2	--	<2.5	--	1.8	<0.50	<0.50
	10/22/08	ug/L	3.0	--	1.2	--	2.3	--	1.5	<0.50	<0.50
	11/26/08	ug/L	2.5	--	1.5	--	2.3	--	1.7	<0.50	<0.50
	02/25/09	ug/L	<2.5	--	3	--	2.3	--	1.9	<0.50	<0.50
	03/18/09	ug/L	2.5	--	1.2	--	1.3	--	1.3	<0.50	<0.50
	04/29/09	ug/L	<2.5	--	0.86	--	1.5	--	1.0	<0.50	<0.50
	05/27/09	ug/L	<2.5	--	1.5	--	1.6	--	1.4	<0.50	<0.50
	06/29/09	ug/L	2.1	--	1.2	--	1.6	--	1.2	<0.50	<0.50
	07/22/09	ug/L	1.9	--	1.3	--	1.6	--	1.2	<0.50	<0.50
	08/14/09	ug/L	<2.5	--	0.98	--	1.6	--	0.97	<0.50	<0.50
	09/11/09	ug/L	<2.5	--	1.3	--	1.7	--	1	<0.50	<0.50
	10/08/09	ug/L	<2.5	--	0.92	--	1.5	--	1.2	<0.50	<0.50
	12/09/09	ug/L	<0.5	--	5.1	--	2.5	--	1.7	<0.50	<0.50
	03/05/10	ug/L	<1.0	--	3.2	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/23/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/24/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/25/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/26/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/01/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/09/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/13/10	ug/L	--	--	--	0.59	--	--	<0.50	<0.50	<0.50
	04/23/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/25/10	ug/L	--	--	--	<0.43	--	--	<0.43	<0.43	<0.43
	06/10/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/11/10	ug/L	<2.0	--	4.7	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/02/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	09/02/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	09/08/10	ug/L	<2.0	--	<1.0	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	11/11/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	12/06/10	ug/L	7.6	--	--	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	12/07/10	ug/L	--	--	2.7	<0.50	--	--	<0.50	<0.50	<0.50
	01/13/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	02/03/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/02/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/24/11	ug/L	13	--	1.3	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/04/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/07/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/23/11	ug/L	12	--	0.83	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/01/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/02/11	ug/L	11	--	1.4	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	10/17/11	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	11/01/11	ug/L	11	--	0.64	<0.50	--	--	<0.50	<0.50	<0.50
	12/07/11	ug/L	<10	--	--	<0.50	<5	--	3	<0.50	<0.50
	01/06/12	ug/L	<10	--	--	<0.50	<0.50	--	0.98	<0.50	<0.50
	02/06/12	ug/L	--	--	<0.50	--	--	--	--	--	--
	02/08/12	ug/L	<4	--	--	<0.50	<1	--	0.66	<0.50	<0.50
	03/09/12	ug/L	<4	--	--	<0.50	<1	--	0.58	<0.50	<0.50
	04/16/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/01/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/07/12	ug/L	<4	--	<0.50	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	07/11/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/03/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/06/12	ug/L	<5	--	0.56	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	10/15/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	11/05/12	ug/L	6.8	--	0.75	<0.50	--	--	<0.50	<0.50	<0.50
	12/10/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	01/04/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	02/04/13	ug/L	12	--	0.67	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/09/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/15/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/07/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/13/13	ug/L	8.8	--	<0.5	--	--	--	--	--	--
	06/13/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	07/02/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/10/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/12/13	ug/L	6.1	--	0.85	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	10/05/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	11/01/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	11/11/13	ug/L	8.8	--	1.3	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	01/17/14	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	02/03/14	ug/L	10	--	1.4	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	03/04/14	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/20/14	ug/L	--	--	3.7	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	07/30/14	ug/L	--	--	--	--	--	<0.50	<0.50	--	<0.50
	08/01/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/04/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/05/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/06/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/07/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/08/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/15/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/18/14	ug/L	7	--	8.4	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/29/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	11/03/14	ug/L	--	0.89	--	<0.5	<0.50	--	<0.50	<0.50	<0.50
	11/04/14	ug/L	1.5	--	9	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	12/18/14	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	0.78	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/02/15	ug/L	7.6	--	5.7	--	--	--	--	--	--
	02/13/15	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/06/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/01/15	ug/L	--	0.95	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	10	--	1.6	--	--	--	--	--	--
	06/05/15	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/14/15	ug/L	--	0.99	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	8.4	--	3.6	--	--	--	--	--	--
	09/03/15	ug/L	--	0.94	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	7.3	--	4.2	--	--	--	--	--	--
	11/05/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/11/15	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/16	ug/L	7.9	0.97	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/16	ug/L	--	<1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/03/16	ug/L	--	0.97	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/17/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/21/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/16	ug/L	11	--	1.5	--	--	--	--	--	--
	05/05/16	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/19/16	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/16	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/16/16	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/07/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/21/16	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/16	ug/L	11	--	1.7	--	--	--	--	--	--
	08/04/16	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/18/16	ug/L	--	0.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/08/16	ug/L	--	0.83	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/15/16	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/16	ug/L	--	0.87	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/20/16	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/16	ug/L	--	0.63	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	9.0	--	1.7	--	--	--	--	--	--
	11/17/16	ug/L	--	0.92	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/01/16	ug/L	--	0.77	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/15/16	ug/L	--	0.93	--	<0.50	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	01/06/17	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/26/17	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/09/17	ug/L	--	0.90	--	--	--	--	--	--	--
	02/16/17	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/02/17	ug/L	--	0.88	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/16/17	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	0.80	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	0.96	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/04/17	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	4.9 J	--	1.1	--	--	--	--	--	--
	05/18/17	ug/L	--	0.78	--	<0.50	0.21 J	--	<0.50	<0.50	<0.50
	06/01/17	ug/L	--	0.87	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	0.73	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/06/17	ug/L	--	0.77	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	0.83	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	0.86	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	7.5	--	0.67	--	--	--	--	--	--
	08/17/17	ug/L	--	0.93	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	0.81	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	0.70	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	0.58	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	5.5	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	0.60	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	2.2	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
1,1-Dichloroethane	06/22/05	ug/L	--	--	10	--	--	--	--	--	--
(5 ug/L MCL)	09/22/05	ug/L	--	--	3.0	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/22/06	ug/L	--	--	1.9	--	--	--	--	--	--
	06/21/06	ug/L	--	--	<0.50	--	--	--	--	--	--
	12/11/06	ug/L	--	--	1.6	--	--	--	--	--	--
	03/14/07	ug/L	--	--	1.2	--	--	--	--	--	--
	06/22/07	ug/L	--	--	<0.50	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/27/07	ug/L	--	--	3.8	--	--	--	--	--	--
	12/13/07	ug/L	--	--	16	--	--	--	--	--	--
	06/25/08	ug/L	--	--	9.5	--	--	--	--	--	--
	07/08/08	ug/L	47	--	8.5	--	23	--	17	<0.50	<0.50
	07/09/08	ug/L	54	--	9.2	--	29	--	18	<0.50	<0.50
	07/10/08	ug/L	38	--	6.1	--	21	--	11	<0.50	<0.50
	07/15/08	ug/L	42	--	7.0	--	22	7.0	11	<0.50	<0.50
	07/16/08	ug/L	47	--	7.2	--	28	--	14	<0.50	<0.50
	07/23/08	ug/L	40	--	5.2	--	23	--	9.0	<0.50	<0.50
	07/30/08	ug/L	41	--	5.5	--	18	--	9.9	<0.50	<0.50
	08/06/08	ug/L	32	--	4.2	--	17	--	14	<0.50	<0.50
	08/25/08	ug/L	21	--	3.0	--	11	--	6.4	<0.50	<0.50
	09/24/08	ug/L	15	--	2.4	--	8.0	--	3.5	<0.50	<0.50
	10/22/08	ug/L	13	--	2.7	--	8.1	--	4.5	<0.50	<0.50
	11/26/08	ug/L	11	--	2.9	--	8.3	--	4.5	0.75	<0.50
	02/25/09	ug/L	6.6	--	4.8	--	5.7	--	3.7	1.1	<0.50
	03/18/09	ug/L	7.7	--	1.8	--	4.4	--	2.8	2.2	<0.50
	04/29/09	ug/L	7.8	--	1.6	--	4.3	--	2.3	2.6	<0.50
	05/27/09	ug/L	8.4	--	3.4	--	5.5	--	4.0	4.0	0.60
	06/29/09	ug/L	7.4	--	2.2	--	4.5	--	3.1	4.3	1.1
	07/22/09	ug/L	8.4	--	3.2	--	5.8	--	3.5	5.4	2.1
	08/14/09	ug/L	8.8	--	2.2	--	5.1	--	3.2	5.0	2.7
	09/11/09	ug/L	8.3	--	3.1	--	5.8	--	2.9	4.8	3.4
	10/08/09	ug/L	9.2	--	2.0	--	5.1	--	3.8	5.4	4.1
	12/09/09	ug/L	1.7	--	9.2	--	4.9	--	3.2	4.6	3.8
	03/05/10	ug/L	2.9	--	6.7	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	0.92	--	--	0.62	<0.50	<0.50
	03/23/10	ug/L	--	--	--	0.94	--	--	0.67	<0.50	<0.50
	03/24/10	ug/L	--	--	--	0.85	--	--	0.62	<0.50	<0.50
	03/25/10	ug/L	--	--	--	0.79	--	--	0.52	<0.50	<0.50
	03/26/10	ug/L	--	--	--	0.83	--	--	0.66	<0.50	<0.50
	04/01/10	ug/L	--	--	--	0.88	--	--	<0.50	<0.50	<0.50
	04/09/10	ug/L	--	--	--	0.90	--	--	0.77	<0.50	<0.50
	04/13/10	ug/L	--	--	--	1.4	--	--	0.85	<0.50	<0.50
	04/23/10	ug/L	--	--	--	1.0	--	--	0.80	<0.50	<0.50
	05/25/10	ug/L	--	--	--	1.1	--	--	0.87	<0.50	<0.50
	06/10/10	ug/L	--	--	--	1.4	--	--	0.99	<0.50	<0.50
	06/11/10	ug/L	8.6	--	9.7	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	1.5	--	--	1.2	0.59	<0.50
	08/02/10	ug/L	--	--	--	1.3	--	--	1.0	0.82	<0.50
	09/02/10	ug/L	--	--	--	1.4	--	--	1.0	0.98	0.56
	09/08/10	ug/L	12	--	10	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	1.4	--	--	1.1	1.1	0.7
	11/11/10	ug/L	--	--	--	1.1	--	--	0.97	1.0	0.86
	12/06/10	ug/L	25	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	7.5	1.0	--	--	0.81	1.0	0.89
	01/13/11	ug/L	--	--	--	1.0	--	--	0.73	0.99	1.0
	02/03/11	ug/L	--	--	--	0.88	--	--	0.77	0.83	0.94
	03/02/11	ug/L	--	--	--	0.71	--	--	<0.50	0.70	0.83
	03/24/11	ug/L	38	--	2.6	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	0.76	--	--	0.53	0.69	0.82

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	05/04/11	ug/L	--	--	--	0.79	--	--	0.60	0.75	0.82
	06/07/11	ug/L	--	--	--	0.65	--	--	<0.50	0.59	0.70
	06/23/11	ug/L	33	--	2.1	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	0.73	--	--	0.58	0.71	0.80
	08/01/11	ug/L	--	--	--	0.91	--	--	0.66	0.72	0.81
	08/02/11	ug/L	34	--	3.1	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	0.82	--	--	0.61	0.64	0.72
	10/17/11	ug/L	--	--	--	0.62	--	--	<0.50	0.52	0.56
	11/01/11	ug/L	29	--	1.6	0.69	--	--	0.52	0.55	0.56
	12/07/11	ug/L	43	--	--	0.62	12	--	8.4	2.6	0.71
	01/06/12	ug/L	15	--	--	0.53	4	--	3.9	3.8	3.2
	02/06/12	ug/L	--	--	0.85	--	--	--	--	--	--
	02/08/12	ug/L	8.5	--	--	0.53	2.8	--	2.0	2.4	2.5
	03/09/12	ug/L	8.6	--	--	<0.50	2.5	--	2.0	2.2	2.3
	04/16/12	ug/L	--	--	--	<0.50	--	--	<0.50	0.73	1.2
	05/01/12	ug/L	--	--	--	<0.50	--	--	<0.50	0.56	0.89
	05/07/12	ug/L	6.5	--	<0.50	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	0.62	--	--	<0.50	0.64	0.83
	07/11/12	ug/L	--	--	--	0.53	--	--	<0.50	0.53	0.63
	08/03/12	ug/L	--	--	--	0.55	--	--	<0.50	0.63	0.75
	08/06/12	ug/L	10	--	1.2	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	0.58	--	--	<0.50	0.51	0.61
	10/15/12	ug/L	--	--	--	0.74	--	--	0.52	0.50	0.58
	11/05/12	ug/L	24	--	1.8	0.52	--	--	<0.50	<0.50	<0.50
	12/10/12	ug/L	--	--	--	0.68	--	--	<0.50	0.50	0.56
	01/04/13	ug/L	--	--	--	0.6	--	--	<0.50	<0.50	<0.50
	02/04/13	ug/L	33	--	1.9	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	0.52	--	--	<0.50	<0.50	0.53
	03/09/13	ug/L	--	--	--	--	--	--	--	--	<5.0
	03/09/13	ug/L	--	--	--	0.60	--	--	<0.50	<0.50	<0.50
	04/15/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/07/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/13/13	ug/L	23	--	0.78	--	--	--	--	--	--
	06/13/13	ug/L	--	--	--	0.64	--	--	<0.50	<0.50	<0.50
	07/02/13	ug/L	--	--	--	0.72	--	--	0.53	0.5	<0.50
	08/10/13	ug/L	--	--	--	0.76	--	--	0.54	0.52	0.53
	08/12/13	ug/L	21	--	2.9	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	0.57
	10/05/13	ug/L	--	--	--	1.0	--	--	0.72	0.76	0.69
	11/01/13	ug/L	--	--	--	0.64	--	--	<0.50	<0.50	<0.50
	11/11/13	ug/L	21	--	2.8	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	<0.50	--	--	<0.50	0.58	0.58
	01/17/14	ug/L	--	--	--	0.55	--	--	<0.50	<0.50	<0.50
	02/03/14	ug/L	29	--	3.5	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	0.63	--	--	<0.50	0.50	<0.50
	03/04/14	ug/L	--	--	--	0.59	--	--	<0.50	<0.50	<0.50
	05/20/14	ug/L	--	--	7.5	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	<0.50	<0.50	--	0.52
	08/01/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.51	0.62
	08/04/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.59	0.7
	08/05/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	0.7

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SELECT COMPOUNDS MONITORED IN
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HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	08/06/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.59	0.68
	08/07/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	0.51
	08/08/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.52	0.62
	08/15/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.57	0.63
	08/18/14	ug/L	18	1.9	14	<0.50	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.68	0.71
	08/29/14	ug/L	--	--	--	--	<0.50	--	<0.50	0.68	0.82
	11/03/14	ug/L	--	2.6	--	<0.50	0.65	--	0.61	<0.50	<0.50
	11/04/14	ug/L	4.6	--	16	--	--	--	--	--	--
	12/18/14	ug/L	--	5.0	--	<0.50	1.2	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	2.5	--	<0.50	0.70	--	0.50	<0.50	<0.50
	02/02/15	ug/L	17	--	11	--	--	--	--	--	--
	02/13/15	ug/L	--	4.4	--	<0.50	1.2	--	0.66	<0.50	<0.50
	03/06/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/01/15	ug/L	--	0.95	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	10	--	1.6	--	--	--	--	--	--
	06/05/15	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/14/15	ug/L	--	0.99	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	8.4	--	3.6	--	--	--	--	--	--
	09/03/15	ug/L	--	0.94	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	7.3	--	4.2	--	--	--	--	--	--
	11/05/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	3.7	--	<0.50	<0.50	--	<0.50	0.56	0.69
	12/11/15	ug/L	--	5.3	--	<0.50	1.3	--	0.75	0.62	0.86
	01/07/16	ug/L	--	4.3	--	0.50	1.1	--	0.72	0.62	0.75
	01/21/16	ug/L	--	4	--	<0.50	1.1	--	0.65	0.7	0.84
	02/01/16	ug/L	25	4.6	--	<0.50	1.3	--	0.85	0.81	0.78
	02/18/16	ug/L	--	4.3	--	<0.50	1.3	--	0.82	0.79	0.91
	03/03/16	ug/L	--	3.0	--	<0.50	0.9	--	0.51	0.53	0.54
	03/17/16	ug/L	--	3.9	--	<0.50	1.0	--	0.64	0.65	0.71
	04/05/16	ug/L	--	3.9	--	<0.50	1.2	--	0.65	0.62	0.62
	04/21/16	ug/L	--	3.3	--	<0.50	1.1	--	0.63	0.67	0.68
	05/02/16	ug/L	22	--	3.3	--	--	--	--	--	--
	05/05/16	ug/L	--	3.6	--	<0.50	1.0	--	0.68	<0.50	<0.50
	05/19/16	ug/L	--	3.8	--	<0.50	1.0	--	0.8	<0.50	<0.50
	06/01/16	ug/L	--	3.5	--	<0.50	0.95	--	0.69	<0.50	<0.50
	06/16/16	ug/L	--	3.2	--	<0.50	0.94	--	0.71	<0.50	<0.50
	07/07/16	ug/L	--	3.3	--	<0.50	0.96	--	0.61	<0.50	<0.50
	07/21/16	ug/L	--	4.1	--	<0.50	1.1	--	0.71	<0.50	<0.50
	08/01/16	ug/L	27	--	5.6	--	--	--	--	--	--
	08/04/16	ug/L	--	3.3	--	<0.50	1.0	--	0.57	0.51	<0.50
	08/18/16	ug/L	--	2.6	--	<0.50	0.69	--	<0.50	<0.50	<0.50
	09/08/16	ug/L	--	2.9	--	<0.50	0.74	--	<0.50	0.58	0.53
	09/15/16	ug/L	--	2.4	--	<0.50	0.76	--	<0.50	0.58	0.52
	10/06/16	ug/L	--	2.7	--	<0.50	0.87	--	0.58	0.62	0.73
	10/20/16	ug/L	--	2.2	--	<0.50	0.73	--	<0.50	0.54	0.59
	11/01/16	ug/L	--	2.6	--	<0.50	0.85	--	0.57	0.62	0.61
	11/08/16	ug/L	24	--	4.5	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	11/17/16	ug/L	--	3.1	--	<0.50	0.83	--	0.56	0.61	0.67
	12/01/16	ug/L	--	2.2	--	<0.50	0.65	--	<0.50	0.61	0.52
	12/15/16	ug/L	--	3.1	--	<0.50	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	1.1	--	<0.50	0.56	0.65
	01/06/17	ug/L	--	3.5	--	<0.50	1.1	--	0.59	0.65	0.66
	01/26/17	ug/L	--	3.1	--	<0.50	1.1	--	<0.50	<0.50	<0.50
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	0.51	0.58
	02/09/17	ug/L	--	2.9	--	--	--	--	--	--	--
	02/16/17	ug/L	--	2.9	--	<0.50	0.79	--	<0.50	<0.50	0.54
	03/02/17	ug/L	--	2.5	--	<0.50	0.81	--	0.52	<0.50	0.53
	03/16/17	ug/L	--	2.4	--	<0.50	0.82	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	2.3	--	<0.50	0.61	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	2.4	--	<0.50	0.70	--	<0.50	<0.50	<0.50
	05/04/17	ug/L	--	2.7	--	<0.50	0.67	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	15	--	2.0	--	--	--	--	--	--
	05/18/17	ug/L	--	2.0	--	<0.50	0.50	--	0.25 J	<0.50	<0.50
	06/01/17	ug/L	--	2.4	--	<0.50	0.63	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	1.9	--	<0.50	0.50	--	<0.50	<0.50	<0.50
	07/06/17	ug/L	--	2.2	--	<0.50	0.61	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	2.3	--	<0.50	0.60	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	2.8	--	<0.50	0.71	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	24	--	2.2	--	--	--	--	--	--
	08/17/17	ug/L	--	2.3	--	<0.50	0.61	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	2.0	--	<0.50	0.56	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	15	0.77	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	0.82	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	8.0	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
1,1-Dichloroethene	06/22/05	ug/L	--	--	750	--	--	--	--	--	--
(6 ug/L MCL)	09/22/05	ug/L	--	--	210 E	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/22/06	ug/L	--	--	1.0	--	--	--	--	--	--
	06/21/06	ug/L	--	--	4.2	--	--	--	--	--	--
	12/11/06	ug/L	--	--	4.3 E	--	--	--	--	--	--
	03/14/07	ug/L	--	--	90	--	--	--	--	--	--
	06/22/07	ug/L	--	--	24	--	--	--	--	--	--
	09/27/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	12/13/07	ug/L	--	--	820	--	--	--	--	--	--
	06/25/08	ug/L	--	--	1,600 E	--	--	--	--	--	--
	07/08/08	ug/L	3500	--	720	--	2100	--	46.00	<0.5	<0.50
	07/09/08	ug/L	4200	--	820	--	3000	--	5.0	0.50	<0.50
	07/10/08	ug/L	3800	--	580	--	2000	--	0.83	<0.5	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	07/15/08	ug/L	3500	--	630	--	2100	400	<0.5	<0.5	<0.50
	07/16/08	ug/L	4800	--	1000	--	2800	--	0.87	<0.5	<0.50
	07/23/08	ug/L	3500	--	520	--	2100	--	0.73	<0.5	<0.50
	07/30/08	ug/L	3400	--	360	--	1400	--	1.6	<0.5	<0.50
	08/06/08	ug/L	1500	--	340	--	1500	--	12.00	<0.5	<0.50
	08/25/08	ug/L	1800	--	230	--	1100	--	25.00	<0.5	<0.50
	09/24/08	ug/L	1200	--	180	--	610	--	0.65	<0.5	<0.50
	10/22/08	ug/L	1200	--	200	--	730	--	11.00	<0.5	<0.50
	11/26/08	ug/L	1100	--	190	--	730	--	2.50	<0.5	<0.50
	02/25/09	ug/L	720	--	360	--	570	--	2.50	<0.5	<0.50
	03/18/09	ug/L	900	--	160	--	460	--	<0.5	<0.5	<0.50
	04/29/09	ug/L	860	--	150	--	470	--	<0.5	<0.5	<0.50
	05/27/09	ug/L	940	--	320	--	590	--	<0.5	<0.5	<0.50
	06/29/09	ug/L	860	--	200	--	510	--	<0.5	<0.5	<0.50
	07/22/09	ug/L	870	--	260	--	580	--	<0.5	<0.5	<0.50
	08/14/09	ug/L	900	--	190	--	540	--	<0.5	<0.5	<0.50
	09/11/09	ug/L	1100	--	280	--	610	--	<0.5	<0.5	<0.50
	10/08/09	ug/L	830	--	150	--	600	--	<0.5	<0.5	<0.50
	12/09/09	ug/L	200	--	720	--	400	--	1.8	<0.5	<0.50
	03/05/10	ug/L	370	--	500	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	82	--	--	<0.5	<0.5	<0.5
	03/23/10	ug/L	--	--	--	82	--	--	<0.5	<0.5	<0.5
	03/24/10	ug/L	--	--	--	74	--	--	<0.5	<0.5	<0.5
	03/25/10	ug/L	--	--	--	70	--	--	<0.5	<0.5	<0.5
	03/26/10	ug/L	--	--	--	76	--	--	<0.5	<0.5	<0.5
	04/01/10	ug/L	--	--	--	81	--	--	<0.5	<0.5	<0.5
	04/09/10	ug/L	--	--	--	85	--	--	<0.5	<0.5	<0.5
	04/13/10	ug/L	--	--	--	120	--	--	<0.5	<0.5	<0.5
	04/23/10	ug/L	--	--	--	91	--	--	<0.5	<0.5	<0.5
	05/25/10	ug/L	--	--	--	100	--	--	<0.19	<0.19	<0.19
	06/10/10	ug/L	--	--	--	120	--	--	<0.5	<0.5	<0.5
	06/11/10	ug/L	800	--	720	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	160	--	--	<0.5	<0.5	<0.5
	08/02/10	ug/L	--	--	--	150	--	--	<0.5	<0.5	<0.5
	09/02/10	ug/L	--	--	--	160	--	--	<0.5	<0.5	<0.5
	09/08/10	ug/L	1000	--	720	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	140	--	--	<0.5	<0.5	<0.5
	11/11/10	ug/L	--	--	--	140	--	--	<0.5	<0.5	<0.5
	12/06/10	ug/L	2300	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	600	130	--	--	<0.5	<0.5	<0.5
	01/13/11	ug/L	--	--	--	99	--	--	<0.5	<0.5	<0.5
	02/03/11	ug/L	--	--	--	83	--	--	<0.5	<0.5	<0.5
	03/02/11	ug/L	--	--	--	77	--	--	0.50	<0.5	<0.5
	03/24/11	ug/L	2800	--	200	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	82	--	--	<0.5	<0.5	<0.5
	05/04/11	ug/L	--	--	--	83	--	--	<0.5	<0.5	<0.5
	06/07/11	ug/L	--	--	--	67	--	--	0.54	<0.5	<0.5
	06/23/11	ug/L	2700	--	180	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	87	--	--	<0.5	<0.5	<0.5
	08/01/11	ug/L	--	--	--	75	--	--	<0.5	<0.5	<0.5
	08/02/11	ug/L	2400	--	370	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/09/11	ug/L	--	--	--	90	--	--	<0.5	<0.5	<0.5
	10/17/11	ug/L	--	--	--	67	--	--	<0.5	<0.5	<0.5
	11/01/11	ug/L	1600	--	82	55	--	--	<0.5	<0.5	<0.5
	12/07/11	ug/L	3200	--	--	62	850	--	1.60	<0.5	<0.5
	01/06/12	ug/L	1400	--	--	85	450	--	<0.5	<0.5	<0.5
	02/06/12	ug/L	--	--	59	--	--	--	--	--	--
	02/08/12	ug/L	520	--	--	54	300	--	<0.5	<0.5	<0.5
	03/09/12	ug/L	860	--	--	59	210	--	<0.5	<0.5	<0.5
	04/16/12	ug/L	--	--	--	45	--	--	<0.5	<0.5	<0.5
	05/01/12	ug/L	--	--	--	37	--	--	<0.5	<0.5	<0.5
	05/07/12	ug/L	490	--	18	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	67	--	--	<0.5	<0.5	<0.5
	07/11/12	ug/L	--	--	--	64	--	--	<0.5	<0.5	0.75
	08/03/12	ug/L	--	--	--	67	--	--	<0.5	<0.5	<0.5
	08/06/12	ug/L	1300	--	94	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	62	--	--	<0.5	<0.5	<0.5
	10/15/12	ug/L	--	--	--	75	--	--	<0.5	<0.5	<0.5
	11/05/12	ug/L	2000	--	190	63	--	--	<0.5	<0.5	<0.5
	12/10/12	ug/L	--	--	--	72	--	--	<0.5	<0.5	<0.5
	01/04/13	ug/L	--	--	--	63	--	--	<0.5	<0.5	<0.5
	02/04/13	ug/L	1900	--	130	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	39	--	--	<0.5	<0.5	<0.5
	03/09/13	ug/L	--	--	--	50	--	--	<0.5	<0.5	<0.5
	04/15/13	ug/L	--	--	--	32	--	--	<0.5	<0.5	<0.5
	05/07/13	ug/L	--	--	--	46	--	--	<0.5	<0.5	<0.5
	05/13/13	ug/L	1600	--	57	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.5
	06/13/13	ug/L	--	--	--	54	--	--	<0.5	<0.5	<0.5
	07/02/13	ug/L	--	--	--	64	--	--	<0.5	<0.5	<0.5
	08/10/13	ug/L	--	--	--	80	--	--	<0.5	<0.5	<0.5
	08/12/13	ug/L	1500	--	220	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	26	--	--	<0.5	<0.5	<0.5
	10/05/13	ug/L	--	--	--	75	--	--	0.92	<0.5	<0.5
	11/01/13	ug/L	--	--	--	54	--	--	<0.5	<0.5	<0.5
	11/11/13	ug/L	1000	--	160	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	49	--	--	<0.5	<0.5	<0.5
	01/17/14	ug/L	--	--	--	34	--	--	1.30	<0.5	<0.5
	02/03/14	ug/L	1300	--	190	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	49	--	--	<0.5	<0.5	<0.5
	03/04/14	ug/L	--	--	--	57	--	--	<0.5	<0.5	<0.5
	05/20/14	ug/L	--	--	500	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	27	<0.5	--	<0.5
	08/01/14	ug/L	--	--	--	--	21	--	<0.5	<0.5	<0.5
	08/04/14	ug/L	--	--	--	--	30	--	<0.5	<0.5	<0.5
	08/05/14	ug/L	--	--	--	--	28	--	<0.5	<0.5	<0.5
	08/06/14	ug/L	--	--	--	--	28	--	<0.5	<0.5	<0.5
	08/07/14	ug/L	--	--	--	--	30	--	0.54	<0.5	<0.5
	08/08/14	ug/L	--	--	--	--	23	--	<0.5	<0.5	<0.5
	08/15/14	ug/L	--	--	--	--	36	--	2.20	0.57	<0.5
	08/18/14	ug/L	1200	--	950	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	23	--	<0.5	<0.5	<0.5

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	08/29/14	ug/L	--	--	--	--	34	--	2.80	0.61	<0.5
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	11/03/14	ug/L	--	240	--	22	66	--	0.87	<0.5	<0.5
	11/04/14	ug/L	350	--	960	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	12/18/14	ug/L	--	580	--	24	120	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	200	--	25	55	--	<0.50	<0.50	<0.50
	02/02/15	ug/L	1100	--	610	--	--	--	--	--	--
	02/13/15	ug/L	--	460	--	20	110	--	<0.50	<0.50	<0.50
	03/06/15	ug/L	--	300	--	22	88	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	290	--	30	62	--	<0.50	<0.50	<0.50
	05/01/15	ug/L	--	360	--	42	97	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	1800	--	240	--	--	--	--	--	--
	06/05/15	ug/L	--	370	--	48	110	--	<0.50	<0.50	<0.50
	07/14/15	ug/L	--	360	--	59	110	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	330	--	48	120	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	1300	--	560	--	--	--	--	--	--
	09/03/15	ug/L	--	390	--	53	110	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	360	--	40	100	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	920	--	400	--	--	--	--	--	--
	11/05/15	ug/L	--	350	--	38	66	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	450	--	45	48	--	<0.50	<0.50	<0.50
	12/11/15	ug/L	--	480	--	53	110	--	<0.50	<0.50	<0.50
	01/07/16	ug/L	--	440	--	49	120	--	<0.50	<0.50	<0.50
	01/21/16	ug/L	--	410	--	43	110	--	<0.50	<0.50	<0.50
	02/01/16	ug/L	1700	500	--	48	130	--	<0.50	<0.50	<0.50
	02/18/16	ug/L	--	290	--	35	86	--	<0.50	<0.50	<0.50
	03/03/16	ug/L	--	330	--	34	81	--	<0.50	<0.50	<0.50
	03/17/16	ug/L	--	420	--	35	120	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	330	--	35	98	--	<0.50	<0.50	<0.50
	04/21/16	ug/L	--	340	--	31	95	--	<0.50	<0.50	<0.50
	05/02/16	ug/L	1400	--	250	--	--	--	--	--	--
	05/05/16	ug/L	--	380	--	36	97	--	<0.50	<0.50	<0.50
	05/19/16	ug/L	--	430	--	41	110	--	<0.50	<0.50	<0.50
	06/01/16	ug/L	--	250	--	31	71	--	<0.50	<0.50	<0.50
	06/16/16	ug/L	--	240	--	36	75	--	<0.50	<0.50	<0.50
	07/07/16	ug/L	--	310	--	30	88	--	<0.50	<0.50	<0.50
	07/21/16	ug/L	--	410	--	38	84	--	<0.50	<0.50	<0.50
	08/01/16	ug/L	1500	--	430	--	--	--	--	--	--
	08/04/16	ug/L	--	250	--	25	79	--	<0.50	<0.50	<0.50
	08/18/16	ug/L	--	250	--	26	63	--	<0.50	<0.50	<0.50
	09/08/16	ug/L	--	340	--	31	83	--	<0.50	<0.50	<0.50
	09/15/16	ug/L	--	250	--	27	70	--	<0.50	<0.50	<0.50
	10/06/16	ug/L	--	280	--	31	79	--	<0.50	<0.50	<0.50
	10/20/16	ug/L	--	240	--	23	73	--	<0.50	<0.50	<0.50
	11/01/16	ug/L	--	360	--	37	82	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	1400	--	300	--	--	--	--	--	--
	11/17/16	ug/L	--	260	--	25	74	--	<0.50	<0.50	<0.50
	12/01/16	ug/L	--	220	--	20	67	--	<0.50	<0.50	<0.50
	12/15/16	ug/L	--	340	--	20	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	85	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	01/06/17	ug/L	--	260	--	17	85	--	<0.50	<0.50	<0.50
	01/26/17	ug/L	--	330	--	9.4	95	--	<0.50	<0.50	<0.50
	02/03/17	ug/L	--	--	--	16	15	--	<0.50	<0.50	<0.50
	02/09/17	ug/L	--	320	--	--	--	--	--	--	--
	02/16/17	ug/L	--	220	--	16	82	--	<0.50	<0.50	<0.50
	03/02/17	ug/L	--	250	--	14	87	--	<0.50	<0.50	<0.50
	03/16/17	ug/L	--	250	--	4.6	88	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	190	--	10	55	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	220	--	12	58	--	<0.50	<0.50	<0.50
	05/04/17	ug/L	--	240	--	15	60	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	1200	--	120	--	--	--	--	--	--
	05/18/17	ug/L	--	210	--	14	51	--	<0.50	<0.50	<0.50
	06/01/17	ug/L	--	220	--	18	58	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	190	--	16	46	--	<0.50	<0.50	<0.50
	07/06/17	ug/L	--	230	--	19	69	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	240	--	19	76	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	250	--	16	67	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	1700	--	110	--	--	--	--	--	--
	08/17/17	ug/L	--	160	--	14	59	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	200	--	11	53	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	160	--	8.5	47	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	140	--	7.8	39	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	130	--	8.2	39	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	1500	110	2.4	5.8	23	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	120	--	5.7	25	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	110	--	5.4	26	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	99	--	5.8	24	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	140	--	8.8	30	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	85	--	5.4	22	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	170	--	10	38	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	140	--	8.7	28	--	<0.50	<0.50	<0.50
	02/27/08	ug/L	740	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	40	--	--	--	--	--	--
1,2-Dichloroethane	06/22/05	ug/L	--	--	2.6	--	--	--	--	--	--
(0.5 ug/L MCL)	09/22/05	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.5	--	--	--	--	--	--
	03/22/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	06/21/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/11/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	03/14/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	06/22/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	09/27/07	ug/L	--	--	0.9	--	--	--	--	--	--
	12/13/07	ug/L	--	--	4.0	--	--	--	--	--	--
	06/25/08	ug/L	--	--	2.2	--	--	--	--	--	--
	07/08/08	ug/L	<10	--	<2.5	--	3.8	--	2.7	<0.5	<0.50
	07/09/08	ug/L	<10	--	1.9	--	<5	--	2.4	<0.5	<0.50
	07/10/08	ug/L	5.2	--	1.5	--	3.1	--	1.4	<0.5	<0.50
	07/15/08	ug/L	<5.0	--	1.8	--	<5	--	1.5	<0.5	<0.50
	07/16/08	ug/L	5.5	--	1.7	--	<5	--	1.5	<0.5	<0.50
	07/23/08	ug/L	<10	--	1.2	--	<5	--	1.2	<0.5	<0.50
	07/30/08	ug/L	<10	--	1.1	--	<5	--	1.3	<0.5	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	08/06/08	ug/L	<5.0	--	<1.0	--	<5	--	2.1	<0.5	<0.50
	08/25/08	ug/L	<5.0	--	0.62	--	<2.5	--	0.79	<0.5	<0.50
	09/24/08	ug/L	<2.5	--	0.57	--	<2.5	--	0.51	<0.5	<0.50
	10/22/08	ug/L	<2.5	--	0.50	--	<1	--	<0.5	<0.5	<0.50
	11/26/08	ug/L	<2.5	--	0.65	--	1.0	--	0.62	<0.5	<0.50
	02/25/09	ug/L	<2.5	--	0.93	--	<1	--	0.50	<0.5	<0.50
	03/18/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	04/29/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	05/27/09	ug/L	<2.5	--	0.76	--	<1	--	0.50	<0.5	<0.50
	06/29/09	ug/L	0.81	--	0.53	--	0.68	--	0.50	0.53	<0.50
	07/22/09	ug/L	<1	--	0.64	--	<1	--	<0.5	0.57	<0.50
	08/14/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	0.59	<0.50
	09/11/09	ug/L	<2.5	--	0.7	--	<1	--	<0.5	0.62	<0.50
	10/08/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	0.66	<0.50
	12/09/09	ug/L	<0.5	--	2.1	--	1.10	--	0.61	0.57	<0.50
	03/05/10	ug/L	<1.0	--	1.6	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/25/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/26/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/01/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/09/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/13/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/25/10	ug/L	--	--	--	<0.16	--	--	<0.16	<0.16	<0.16
	06/10/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/11/10	ug/L	<2.0	--	1.9	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/08/10	ug/L	<2.0	--	2.4	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	12/06/10	ug/L	<5.0	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	1.4	<0.5	--	--	<0.5	<0.5	<0.5
	01/13/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/11	ug/L	5.7	--	0.59	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/04/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/07/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/23/11	ug/L	5.0	--	<0.5	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/11	ug/L	<5	--	0.61	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/17/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/11	ug/L	4.9	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/07/11	ug/L	<10	--	--	<0.5	<5	--	1.30	<0.5	<0.5

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	01/06/12	ug/L	<10	--	--	<0.5	0.58	--	<0.5	<0.5	<0.5
	02/06/12	ug/L	--	--	<0.5	--	--	--	--	--	--
	02/08/12	ug/L	<4	--	--	<0.5	<1	--	<0.5	<0.5	<0.5
	03/09/12	ug/L	<4	--	--	<0.5	<1	--	<0.5	<0.5	<0.5
	04/16/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/01/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/12	ug/L	<4	--	<0.5	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/11/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/03/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/06/12	ug/L	<5	--	<0.5	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/15/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/05/12	ug/L	<5	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/10/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/04/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/04/13	ug/L	5.8	--	<0.5	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/15/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/13/13	ug/L	3.4	--	<0.5	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.5
	06/13/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	07/02/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/03/13	ug/L	--	--	--	--	--	--	--	--	--
	08/10/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/12/13	ug/L	3.5	--	0.56	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/05/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/13	ug/L	4.2	--	<0.5	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/17/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/14	ug/L	7.2	--	1.1	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/04/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/20/14	ug/L	--	--	2.1	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	<0.5	<0.5	--	<0.5
	08/01/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/04/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/05/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/06/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/07/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/08/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/15/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/18/14	ug/L	3.4	--	4.0	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/29/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.5

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	11/03/14	ug/L	--	0.55	--	<0.5	<0.5	--	<0.5	<0.5	<0.5
	11/04/14	ug/L	0.72	--	4.0	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	12/18/14	ug/L	--	0.86	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/02/15	ug/L	2.8	--	2.4	--	--	--	--	--	--
	02/13/15	ug/L	--	0.94	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/06/15	ug/L	--	300	--	22	88	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	290	--	30	62	--	<0.50	<0.50	<0.50
	05/01/15	ug/L	--	360	--	42	97	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	1800	--	240	--	--	--	--	--	--
	06/05/15	ug/L	--	370	--	48	110	--	<0.50	<0.50	<0.50
	07/14/15	ug/L	--	360	--	59	110	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	330	--	48	120	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	1300	--	560	--	--	--	--	--	--
	09/03/15	ug/L	--	390	--	53	110	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	360	--	40	100	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	920	--	400	--	--	--	--	--	--
	11/05/15	ug/L	--	350	--	38	66	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	0.82	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/11/15	ug/L	--	0.79	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/16	ug/L	--	0.79	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/16	ug/L	--	0.85	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/16	ug/L	<5.0	0.88	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/16	ug/L	--	<1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/03/16	ug/L	--	0.65	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/17/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/21/16	ug/L	--	0.64	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/16	ug/L	3.6	--	0.61	--	--	--	--	--	--
	05/05/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/19/16	ug/L	--	0.74	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/16	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/16/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/07/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/21/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/16	ug/L	4.2	--	<0.50	--	--	--	--	--	--
	08/04/16	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/18/16	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/08/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/15/16	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/16	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/20/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/16	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	3.2	--	0.7	--	--	--	--	--	--
	11/17/16	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/01/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/15/16	ug/L	--	<0.50	--	<0.50	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	01/06/17	ug/L	--	0.70	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/26/17	ug/L	--	0.68	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/09/17	ug/L	--	0.65	--	--	--	--	--	--	--
	02/16/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/02/17	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/16/17	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/04/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	<5.0	--	0.50	--	--	--	--	--	--
	05/18/17	ug/L	--	0.40 J	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	3.3 J	--	0.23 J	--	--	--	--	--	--
	08/17/17	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	<5.0	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	<2.5	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
cis-1,2-Dichloroethene	06/22/05	ug/L	--	--	<0.5	--	--	--	--	--	--
(6 ug/L MCL)	09/22/05	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.5	--	--	--	--	--	--
	03/22/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	06/21/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/11/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	03/14/07	ug/L	--	--	<0.5	--	--	--	--	--	--
	06/22/07	ug/L	--	--	<0.5	--	--	--	--	--	--
	09/27/07	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/13/07	ug/L	--	--	0.52	--	--	--	--	--	--
	06/25/08	ug/L	--	--	<0.5	--	--	--	--	--	--
	07/08/08	ug/L	<10	--	<2.5	--	0.95	--	<0.5	<0.5	<0.50
	07/09/08	ug/L	<10	--	<0.50	--	<5	--	<0.5	<0.5	<0.50
	07/10/08	ug/L	<5.0	--	<0.50	--	0.90	--	<0.5	<0.5	<0.50
	07/15/08	ug/L	<5.0	--	<1.0	--	<5	0.57	<0.5	<0.5	<0.50
	07/16/08	ug/L	<5.0	--	<1.0	--	<5	--	<0.5	<0.5	<0.50
	07/23/08	ug/L	<10	--	<1.0	--	<5	--	<0.5	<0.5	<0.50
	07/30/08	ug/L	<10	--	<1.0	--	<5	--	<0.5	<0.5	<0.50
	08/06/08	ug/L	<5.0	--	<1.0	--	<5	--	<0.5	<0.5	<0.50
	08/25/08	ug/L	<5.0	--	<0.50	--	<2.5	--	<0.5	<0.5	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/24/08	ug/L	<2.5	--	<0.50	--	<2.5	--	<0.5	<0.5	<0.50
	10/22/08	ug/L	<2.5	--	<0.50	--	<1	--	<0.5	<0.5	<0.50
	11/26/08	ug/L	<2.5	--	<0.50	--	<1	--	<0.5	<0.5	<0.50
	02/25/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	03/18/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	04/29/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	05/27/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	06/29/09	ug/L	0.63	--	<0.5	--	<0.5	--	<0.5	<0.5	<0.50
	07/22/09	ug/L	1.0	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	08/14/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	09/11/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	10/08/09	ug/L	<2.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	12/09/09	ug/L	<0.5	--	<0.5	--	<1	--	<0.5	<0.5	<0.50
	03/05/10	ug/L	<1	--	<1	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/25/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/26/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/01/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/09/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/13/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/25/10	ug/L	--	--	--	<0.15	--	--	<0.15	<0.15	<0.15
	06/10/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/11/10	ug/L	<2.0	--	<1	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/08/10	ug/L	<2.0	--	<1	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	12/06/10	ug/L	<5.0	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	<1	<0.5	--	--	<0.5	<0.5	<0.5
	01/13/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/11	ug/L	<0.5	--	<0.5	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/04/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/07/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/23/11	ug/L	<0.5	--	<0.5	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/11	ug/L	<0.5	--	<0.5	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/17/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/11	ug/L	<2.5	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/07/11	ug/L	<10	--	--	<0.5	<5	--	<0.5	<0.5	<0.5
	01/06/12	ug/L	<10	--	--	<0.5	<0.5	--	<0.5	<0.5	<0.5
	02/06/12	ug/L	--	--	<0.5	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	02/08/12	ug/L	<4	--	--	<0.5	<1	--	<0.5	<0.5	<0.5
	03/09/12	ug/L	<4	--	--	<0.5	<1	--	<0.5	<0.5	<0.5
	04/16/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/01/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/12	ug/L	<4	--	<0.5	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/11/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/03/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/06/12	ug/L	<5	--	<1	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/15/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/05/12	ug/L	<5	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/10/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/04/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/04/13	ug/L	<2.5	--	<0.5	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/15/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/13/13	ug/L	<2.5	--	<0.5	--	--	--	--	--	--
	06/13/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/02/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/10/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/12/13	ug/L	<2.5	--	<0.5	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/05/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/13	ug/L	<2.5	--	<0.5	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/17/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/14	ug/L	<2.5	--	<0.5	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/04/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/20/14	ug/L	--	--	<0.5	--	--	--	--	--	--
	08/01/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/04/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/05/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/06/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/07/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/08/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/15/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/18/14	ug/L	<2.5	--	<2.5	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/29/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	11/03/14	ug/L	--	<0.5	--	<0.5	<0.5	--	<0.5	<0.5	<0.5
	11/04/14	ug/L	1.1	--	<1	--	--	--	--	--	--
	12/18/14	ug/L	--	0.60	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/02/15	ug/L	<2.0	--	<1.0	--	--	--	--	--	--
	02/13/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	03/06/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/01/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	06/05/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/14/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	<2.5	--	<1.0	--	--	--	--	--	--
	09/03/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	<2.0	--	<1.0	--	--	--	--	--	--
	11/05/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/11/15	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/16	ug/L	<5.0	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/16	ug/L	--	<1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/03/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/17/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/21/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/16	ug/L	<2.0	--	<0.5	--	--	--	--	--	--
	05/05/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/19/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/16/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/07/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/21/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/16	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	08/04/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/18/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/08/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/15/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/20/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	11/17/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/01/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/15/16	ug/L	--	<0.50	--	<0.50	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	01/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/26/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/09/17	ug/L	--	<0.50	--	--	--	--	--	--	--
	02/16/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/02/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/16/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	05/04/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	<5.0	--	<0.50	--	--	--	--	--	--
	05/18/17	ug/L	--	0.20 J	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	<5.0	--	<0.50	--	--	--	--	--	--
	08/17/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	<5.0	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	<2.5	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
Tetrachloroethene	06/22/05	ug/L	--	--	2.5	--	--	--	--	--	--
(5 ug/L MCL)	09/22/05	ug/L	--	--	0.59	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.5	--	--	--	--	--	--
	03/22/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	06/21/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/11/06	ug/L	--	--	<0.5	--	--	--	--	--	--
	03/14/07	ug/L	--	--	<0.5	--	--	--	--	--	--
	06/22/07	ug/L	--	--	<0.5	--	--	--	--	--	--
	09/27/07	ug/L	--	--	0.73	--	--	--	--	--	--
	12/13/07	ug/L	--	--	3.3	--	--	--	--	--	--
	06/25/08	ug/L	--	--	2.6	--	--	--	--	--	--
	07/08/08	ug/L	11	--	2.6	--	7.1	--	0.84	<0.5	<0.50
	07/09/08	ug/L	10	--	2.2	--	6.6	--	0.51	<0.5	<0.50
	07/10/08	ug/L	12	--	2.1	--	6.3	--	<0.5	<0.5	<0.50
	07/15/08	ug/L	12	--	2.3	--	<5	1.8	<0.5	<0.5	<0.50
	07/16/08	ug/L	10	--	1.8	--	<5	--	<0.5	<0.5	<0.50
	07/23/08	ug/L	<10	--	2.3	--	5.8	--	<0.5	<0.5	<0.50
	07/30/08	ug/L	<10	--	1.2	--	<5	--	<0.5	<0.5	<0.50
	08/06/08	ug/L	7	--	<1.0	--	<5	--	0.66	<0.5	<0.50
	08/25/08	ug/L	5.1	--	0.84	--	3.0	--	<0.5	<0.5	<0.50
	09/24/08	ug/L	3.4	--	0.94	--	<2.5	--	<0.5	<0.5	<0.50
	10/22/08	ug/L	3.2	--	0.66	--	2.0	--	<0.5	<0.5	<0.50
	11/26/08	ug/L	2.6	--	0.63	--	1.9	--	<0.5	<0.5	<0.50
	02/25/09	ug/L	<2.5	--	1.1	--	1.6	--	<0.5	<0.5	<0.50
	03/18/09	ug/L	<2.5	--	<0.5	--	1.3	--	<0.5	<0.5	<0.50
	04/29/09	ug/L	<2.5	--	0.6	--	1.3	--	<0.5	<0.5	<0.50
	05/27/09	ug/L	<2.5	--	0.79	--	1.3	--	<0.5	<0.5	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	06/29/09	ug/L	2.1	--	0.76	--	1.2	--	<0.5	<0.5	<0.50
	07/22/09	ug/L	1.6	--	0.66	--	1.1	--	<0.5	<0.5	<0.50
	08/14/09	ug/L	<2.5	--	<0.5	--	1.1	--	<0.5	<0.5	<0.50
	09/11/09	ug/L	<2.5	--	0.66	--	1.2	--	<0.5	<0.5	<0.50
	10/08/09	ug/L	<2.5	--	<0.5	--	1.1	--	<0.5	<0.5	<0.50
	12/09/09	ug/L	<0.5	--	2.0	--	1.1	--	<0.5	<0.5	<0.50
	03/05/10	ug/L	<1.0	--	1.9	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/25/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/26/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/01/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/09/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/13/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/25/10	ug/L	--	--	--	<0.19	--	--	<0.19	<0.19	<0.19
	06/10/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/11/10	ug/L	<2.0	--	1.9	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/08/10	ug/L	<2.0	--	2.0	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	12/06/10	ug/L	<5.0	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	1.4	<0.5	--	--	<0.5	<0.5	<0.5
	01/13/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/11	ug/L	8.7	--	0.82	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/04/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/07/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/23/11	ug/L	5.8	--	0.5	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/11	ug/L	5.6	--	0.67	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/17/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/11	ug/L	5.6	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/07/11	ug/L	<10	--	--	<0.5	<5	--	<0.5	<0.5	<0.5
	01/06/12	ug/L	<10	--	--	<0.5	1.2	--	<0.5	<0.5	<0.5
	02/06/12	ug/L	--	--	<0.5	--	--	--	--	--	--
	02/08/12	ug/L	<4	--	--	<0.5	<1	--	<0.5	<0.5	<0.5
	03/09/12	ug/L	<4	--	--	<0.5	<1	--	<0.5	<0.5	<0.5
	04/16/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/01/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/12	ug/L	<4	--	0.78	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/11/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	08/03/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/06/12	ug/L	<5	--	<0.5	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/15/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/05/12	ug/L	6.1	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/10/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/04/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/04/13	ug/L	5.1	--	<0.5	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/15/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/13/13	ug/L	4.5	--	<0.5	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.5
	06/13/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	07/02/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/03/13	ug/L	--	--	--	--	--	--	--	--	--
	08/10/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/12/13	ug/L	3.4	--	0.76	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/05/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/13	ug/L	3.3	--	0.55	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/17/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/14	ug/L	5.2	--	1.1	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/04/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/20/14	ug/L	--	--	1.6	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	<0.5	<0.5	--	<0.5
	08/01/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/04/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/05/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/06/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/07/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/08/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/15/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/18/14	ug/L	3.6	--	3.8	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/29/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	11/03/14	ug/L	--	0.78	--	<0.5	<0.5	--	<0.5	<0.5	<0.5
	11/04/14	ug/L	0.85	--	4.3	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	12/18/14	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	0.97	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/02/15	ug/L	3.3	--	2.8	--	--	--	--	--	--
	02/13/15	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/06/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	05/01/15	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	5.0	--	0.83	--	--	--	--	--	--
	06/05/15	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/14/15	ug/L	--	0.76	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	3.8	--	1.7	--	--	--	--	--	--
	09/03/15	ug/L	--	0.97	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	0.87	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	2.3	--	1.1	--	--	--	--	--	--
	11/05/15	ug/L	--	0.89	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/11/15	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/16	ug/L	--	0.96	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/16	ug/L	--	0.95	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/16	ug/L	<5.0	0.92	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/16	ug/L	--	<1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/03/16	ug/L	--	0.87	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/17/16	ug/L	--	1.00	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	0.90	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/21/16	ug/L	--	0.94	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/16	ug/L	4.1	--	0.78	--	--	--	--	--	--
	05/05/16	ug/L	--	0.96	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/19/16	ug/L	--	0.97	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/16	ug/L	--	0.96	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/16/16	ug/L	--	1.1	--	<0.50	0.87	--	<0.50	<0.50	<0.50
	07/07/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/21/16	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/16	ug/L	4.5	--	<0.50	--	--	--	--	--	--
	08/04/16	ug/L	--	0.88	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/18/16	ug/L	--	0.63	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/08/16	ug/L	--	0.67	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/15/16	ug/L	--	0.71	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/16	ug/L	--	0.82	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/20/16	ug/L	--	0.81	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/16	ug/L	--	0.84	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	2.6	--	0.69	--	--	--	--	--	--
	11/17/16	ug/L	--	0.65	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/01/16	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/15/16	ug/L	--	0.59	--	<0.50	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	01/06/17	ug/L	--	0.60	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/26/17	ug/L	--	0.84	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/09/17	ug/L	--	0.70	--	--	--	--	--	--	--
	02/16/17	ug/L	--	0.70	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/02/17	ug/L	--	0.72	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/16/17	ug/L	--	0.85	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	0.88	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/04/17	ug/L	--	0.97	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	4.1 J	--	0.55	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	05/18/17	ug/L	--	0.77	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/17	ug/L	--	0.63	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	0.70	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/06/17	ug/L	--	0.66	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	0.71	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	0.77	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	5.4	--	0.48 J	--	--	--	--	--	--
	08/17/17	ug/L	--	0.84	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	0.83	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	5.8	0.57	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	0.59	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	0.60	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	<0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	3.2	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
Trichloroethene	06/22/05	ug/L	--	--	1.9	--	--	--	--	--	--
(5 ug/L MCL)	09/22/05	ug/L	--	--	<0.5	--	--	--	--	--	--
	12/19/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/22/06	ug/L	--	--	<0.50	--	--	--	--	--	--
	06/21/06	ug/L	--	--	<0.50	--	--	--	--	--	--
	12/11/06	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/14/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	06/22/07	ug/L	--	--	<0.50	--	--	--	--	--	--
	09/27/07	ug/L	--	--	0.56	--	--	--	--	--	--
	12/13/07	ug/L	--	--	2.8	--	--	--	--	--	--
	06/25/08	ug/L	--	--	2	--	--	--	--	--	--
	07/08/08	ug/L	26	--	<2.5	--	13	--	0.57	<0.5	<0.50
	07/09/08	ug/L	25	--	1.9	--	15	--	<0.5	<0.5	<0.50
	07/10/08	ug/L	23	--	1.3	--	12	--	<0.5	<0.5	<0.50
	07/15/08	ug/L	30	--	1.4	--	14	--	<0.5	<0.5	<0.50
	07/16/08	ug/L	26	--	1.9	--	15	--	<0.5	<0.5	<0.50
	07/23/08	ug/L	24	--	1.2	--	12	--	<0.5	<0.5	<0.50
	07/30/08	ug/L	20	--	1.0	--	9.0	--	<0.5	<0.5	<0.50
	08/06/08	ug/L	19	--	<1.0	--	10	--	<0.5	<0.5	<0.50
	08/25/08	ug/L	16	--	0.65	--	8.7	--	<0.5	<0.5	<0.50
	09/24/08	ug/L	16	--	1.3	--	3.8	--	<0.5	<0.5	<0.50
	10/22/08	ug/L	14	--	0.54	--	7.3	--	<0.5	<0.5	<0.50
	11/26/08	ug/L	12	--	0.51	--	8.4	--	<0.5	<0.5	<0.50
	02/25/09	ug/L	12	--	1.0	--	6.7	--	<0.5	<0.5	<0.50
	03/18/09	ug/L	11	--	<0.5	--	5.6	--	<0.5	<0.5	<0.50
	04/29/09	ug/L	14	--	<0.5	--	6.7	--	<0.5	<0.5	<0.50
	05/27/09	ug/L	14	--	0.9	--	7.2	--	<0.5	<0.5	<0.50
	06/29/09	ug/L	17	--	0.58	--	8.1	--	<0.5	<0.5	<0.50
	07/22/09	ug/L	16	--	0.62	--	7.7	--	<0.5	<0.5	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	08/14/09	ug/L	18	--	<0.5	--	8.7	--	<0.5	<0.5	<0.50
	09/11/09	ug/L	14	--	0.6	--	7.5	--	<0.5	<0.5	<0.50
	10/08/09	ug/L	19	--	<0.5	--	9.4	--	<0.5	<0.5	<0.50
	12/09/09	ug/L	12	--	1.7	--	7.4	--	<0.5	<0.5	<0.50
	03/05/10	ug/L	14	--	1.6	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/25/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/26/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/01/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/09/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/13/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/23/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/25/10	ug/L	--	--	--	<0.15	--	--	<0.15	<0.15	<0.15
	06/10/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/11/10	ug/L	22	--	1.6	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/02/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	09/08/10	ug/L	21	--	2.0	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/10	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	12/06/10	ug/L	23	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	1.2	<0.5	--	--	<0.5	<0.5	<0.5
	01/13/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/24/11	ug/L	23	--	0.54	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/04/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/07/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/23/11	ug/L	24	--	0.52	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/01/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/02/11	ug/L	--	--	0.55	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/17/11	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/11	ug/L	22	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/07/11	ug/L	20	--	--	<0.5	<5	--	<0.5	<0.5	<0.5
	01/06/12	ug/L	13	--	--	<0.5	4.3	--	<0.5	<0.5	<0.5
	02/06/12	ug/L	--	--	<0.5	--	--	--	--	--	--
	02/08/12	ug/L	11	--	--	<0.5	3.4	--	<0.5	<0.5	<0.5
	03/09/12	ug/L	14	--	--	<0.5	3.8	--	<0.5	<0.5	<0.5
	04/16/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/01/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/12	ug/L	11	--	<0.5	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	07/11/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/03/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/06/12	ug/L	12	--	<0.5	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/06/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/15/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/05/12	ug/L	16	--	<0.5	<0.5	--	--	<0.5	<0.5	<0.5
	12/10/12	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/04/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/04/13	ug/L	19	--	<0.5	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/09/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	04/15/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/07/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/13/13	ug/L	15	--	<0.5	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.5
	06/13/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	07/02/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/10/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	08/12/13	ug/L	19	--	<0.5	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	10/05/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/01/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	11/11/13	ug/L	13	--	0.54	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	01/17/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	02/03/14	ug/L	17	--	0.81	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	03/04/14	ug/L	--	--	--	<0.5	--	--	<0.5	<0.5	<0.5
	05/20/14	ug/L	--	--	1.2	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	<0.5	<0.5	--	<0.5
	08/01/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/04/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/05/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/06/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/07/14	ug/L	--	--	--	--	0.60	--	<0.5	<0.5	<0.5
	08/08/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/15/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/18/14	ug/L	18	--	3.1	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5
	08/29/14	ug/L	--	--	--	--	0.65	--	<0.5	<0.5	<0.5
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	11/03/14	ug/L	--	4.6	--	<0.5	0.97	--	<0.5	<0.5	<0.5
	11/04/14	ug/L	19	--	3.3	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.5
	12/18/14	ug/L	--	6.3	--	<0.50	1.4	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	3.4	--	<0.50	0.79	--	<0.50	<0.50	<0.50
	02/02/15	ug/L	18	--	2.3	--	--	--	--	--	--
	02/13/15	ug/L	--	4.8	--	<0.50	1.4	--	<0.50	<0.50	<0.50
	03/06/15	ug/L	--	3.7	--	<0.50	1.0	--	<0.50	<0.50	<0.50
	04/02/15	ug/L	--	4.1	--	<0.50	0.7	--	<0.50	<0.50	<0.50
	05/01/15	ug/L	--	3.6	--	<0.50	0.92	--	<0.50	<0.50	<0.50
	05/12/15	ug/L	18	--	0.67	--	--	--	--	--	--
	06/05/15	ug/L	--	3.5	--	<0.50	0.82	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	07/14/15	ug/L	--	3.8	--	<0.50	0.94	--	<0.50	<0.50	<0.50
	08/06/15	ug/L	--	3.7	--	<0.50	1.0	--	<0.50	<0.50	<0.50
	08/11/15	ug/L	21	--	1.5	--	--	--	--	--	--
	09/03/15	ug/L	--	3.8	--	<0.50	0.92	--	<0.50	<0.50	<0.50
	10/06/15	ug/L	--	3.6	--	<0.50	0.93	--	<0.50	<0.50	<0.50
	11/02/15	ug/L	16	--	2.1	--	--	--	--	--	--
	11/05/15	ug/L	--	3.2	--	<0.50	0.54	--	<0.50	<0.50	<0.50
	12/03/15	ug/L	--	4.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/11/15	ug/L	--	3.6	--	<0.50	0.81	--	<0.50	<0.50	<0.50
	01/07/16	ug/L	--	2.6	--	<0.50	0.58	--	<0.50	<0.50	<0.50
	01/21/16	ug/L	--	2.6	--	<0.50	0.53	--	<0.50	<0.50	<0.50
	02/01/16	ug/L	17	2.5	--	<0.50	0.53	--	<0.50	<0.50	<0.50
	02/18/16	ug/L	--	2.8	--	<0.50	0.71	--	<0.50	<0.50	<0.50
	03/03/16	ug/L	--	2.9	--	<0.50	0.70	--	<0.50	<0.50	<0.50
	03/17/16	ug/L	--	2.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	2.5	--	<0.50	0.64	--	<0.50	<0.50	<0.50
	04/21/16	ug/L	--	2.7	--	<0.50	0.81	--	<0.50	<0.50	<0.50
	05/02/16	ug/L	20	--	<0.50	--	--	--	--	--	--
	05/05/16	ug/L	--	2.6	--	<0.50	0.67	--	<0.50	<0.50	<0.50
	05/19/16	ug/L	--	2.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/16	ug/L	--	2.8	--	<0.50	0.67	--	<0.50	<0.50	<0.50
	06/16/16	ug/L	--	2.5	--	<0.50	0.69	--	<0.50	<0.50	<0.50
	07/07/16	ug/L	--	3.1	--	<0.50	0.80	--	<0.50	<0.50	<0.50
	07/21/16	ug/L	--	2.8	--	<0.50	0.69	--	<0.50	<0.50	<0.50
	08/01/16	ug/L	20	--	0.76	--	--	--	--	--	--
	08/04/16	ug/L	--	3.1	--	<0.50	0.78	--	<0.50	<0.50	<0.50
	08/18/16	ug/L	--	2.5	--	<0.50	0.58	--	<0.50	<0.50	<0.50
	09/08/16	ug/L	--	2.7	--	<0.50	0.65	--	<0.50	<0.50	<0.50
	09/15/16	ug/L	--	2.5	--	<0.50	0.66	--	<0.50	<0.50	<0.50
	10/06/16	ug/L	--	2.7	--	<0.50	0.71	--	<0.50	<0.50	<0.50
	10/20/16	ug/L	--	2.2	--	<0.50	0.57	--	<0.50	<0.50	<0.50
	11/01/16	ug/L	--	2.7	--	<0.50	0.69	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	18	--	0.77	--	--	--	--	--	--
	11/17/16	ug/L	--	2.7	--	<0.50	0.74	--	<0.50	<0.50	<0.50
	12/01/16	ug/L	--	2.00	--	<0.50	0.55	--	<0.50	<0.50	<0.50
	12/15/16	ug/L	--	2.1	--	<0.50	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	0.57	--	<0.50	<0.50	<0.50
	01/06/17	ug/L	--	1.7	--	<0.50	0.53	--	<0.50	<0.50	<0.50
	01/26/17	ug/L	--	1.8	--	<0.50	0.55	--	<0.50	<0.50	<0.50
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/09/17	ug/L	--	2.7	--	--	--	--	--	--	--
	02/16/17	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/02/17	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/16/17	ug/L	--	1.6	--	<0.50	0.53	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/20/17	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/04/17	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/15/17	ug/L	12	--	0.49 J	--	--	--	--	--	--
	05/18/17	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/01/17	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/15/17	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	07/06/17	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/20/17	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/03/17	ug/L	--	2.0	--	<0.50	0.55	--	<0.50	<0.50	<0.50
	08/07/17	ug/L	14	--	<0.50	--	--	--	--	--	--
	08/17/17	ug/L	--	2.1	--	<0.50	0.57	--	<0.50	<0.50	<0.50
	09/01/17	ug/L	--	1.9	--	<0.50	0.55	--	<0.50	<0.50	<0.50
	09/14/17	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/17	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/19/17	ug/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/17	ug/L	10	1.0	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	0.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	0.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	0.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/01/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	8.8	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
1,4-Dioxane	06/22/05	ug/L	--	--	140 E	--	--	--	--	--	--
(1 ug/L California Notification Level)	09/22/05	ug/L	--	--	25 E	--	--	--	--	--	--
	12/19/05	ug/L	--	--	5.1	--	--	--	--	--	--
	03/22/06	ug/L	--	--	83	--	--	--	--	--	--
	06/21/06	ug/L	--	--	25	--	--	--	--	--	--
	12/11/06	ug/L	--	--	42	--	--	--	--	--	--
	03/14/07	ug/L	--	--	33	--	--	--	--	--	--
	06/22/07	ug/L	--	--	15	--	--	--	--	--	--
	09/27/07	ug/L	--	--	110	--	--	--	--	--	--
	12/13/07	ug/L	--	--	660	--	--	--	--	--	--
	06/25/08	ug/L	--	--	710	--	--	--	--	--	--
	07/08/08	ug/L	410	--	490	--	460	--	35	--	--
	07/09/08	ug/L	360	--	410	--	360	--	13	--	--
	07/10/08	ug/L	330	--	340	--	310	--	6.4	--	--
	07/15/08	ug/L	290	--	350	--	320	220	3.4	--	--
	07/16/08	ug/L	310	--	320	--	350	--	3.7	--	--
	07/23/08	ug/L	220	--	190	--	220	--	5.2	--	--
	07/30/08	ug/L	230	--	200	--	220	--	6.3	--	--
	08/06/08	ug/L	230	--	190	--	200	--	18	--	6.8
	08/25/08	ug/L	150	--	130	--	140	--	10	--	<0.50
	09/24/08	ug/L	100	--	74	--	91	--	<2	--	--
	10/22/08	ug/L	95	--	120	--	120	--	6.4	--	--
	11/26/08	ug/L	74	--	110	--	91	--	4.5	--	--
	02/25/09	ug/L	83	--	160	--	120	--	6.4	--	--
	03/18/09	ug/L	54	--	70	--	69	--	2.0	--	--
	04/29/09	ug/L	65	--	80	--	74	--	2.9	--	--
	05/27/09	ug/L	71	--	150	--	110	--	2.5	--	--
	06/29/09	ug/L	68	--	120	--	87	--	2.4	--	--
	07/22/09	ug/L	65	--	120	--	100	--	<2	--	--
	08/14/09	ug/L	72	--	81	--	80	--	2.0	--	--
	09/11/09	ug/L	63	--	120	--	90	--	2.6	--	--
	10/08/09	ug/L	76	--	87	--	82	--	<2	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	12/09/09	ug/L	11	--	490	--	180	--	4.3	--	--
	03/05/10	ug/L	21	--	370	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	22	--	--	<2	--	--
	03/23/10	ug/L	--	--	--	24	--	--	<2	--	--
	03/24/10	ug/L	--	--	--	25	--	--	<2	--	--
	03/25/10	ug/L	--	--	--	22	--	--	<2	--	--
	03/26/10	ug/L	--	--	--	19	--	--	6.1	--	--
	04/01/10	ug/L	--	--	--	29	--	--	<2	--	--
	04/09/10	ug/L	--	--	--	31	--	--	<2	--	--
	04/13/10	ug/L	--	--	--	43	--	--	<2	--	--
	04/23/10	ug/L	--	--	--	35	--	--	<2	--	--
	05/25/10	ug/L	--	--	--	38	--	--	<1.9	--	--
	06/10/10	ug/L	--	--	--	40	--	--	<2	--	--
	06/11/10	ug/L	40	--	400	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	48	--	--	<2	--	--
	08/02/10	ug/L	--	--	--	42	--	--	<2	--	--
	09/02/10	ug/L	--	--	--	42	--	--	<2	--	--
	09/08/10	ug/L	74	--	370	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	39	--	--	<2	--	--
	11/11/10	ug/L	--	--	--	33	--	--	<2	--	--
	12/06/10	ug/L	250	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	220	29	--	--	<2	--	--
	01/13/11	ug/L	--	--	--	29	--	--	6.4	--	--
	02/03/11	ug/L	--	--	--	22	--	--	<2	--	--
	03/02/11	ug/L	--	--	--	16	--	--	0.43	--	--
	03/24/11	ug/L	--	--	64	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	16	--	--	0.36	--	--
	05/04/11	ug/L	--	--	--	19	--	--	0.35	--	--
	06/07/11	ug/L	--	--	--	20	--	--	0.91	--	0.73
	06/23/11	ug/L	400	30	59	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	18	--	--	0.46	--	--
	08/01/11	ug/L	--	--	--	21	--	--	0.56	--	--
	08/02/11	ug/L	--	--	80	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	20	--	--	0.49	--	0.50
	10/17/11	ug/L	--	--	--	19	--	--	0.36	--	--
	11/01/11	ug/L	390	--	54	22	--	--	0.33	--	--
	12/07/11	ug/L	450	--	--	20	120	--	5.2	--	3.4
	01/06/12	ug/L	120	--	--	15	42	--	1.1	--	--
	02/06/12	ug/L	--	--	11	--	--	--	--	--	--
	02/08/12	ug/L	33	--	--	6.4	10	--	0.64	--	--
	03/09/12	ug/L	61	--	--	12	25	--	0.85	--	0.84
	04/16/12	ug/L	--	--	--	14	--	--	0.27	--	--
	05/01/12	ug/L	--	--	--	13	--	--	<0.2	--	--
	05/07/12	ug/L	23	--	7.0	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	19	--	--	2.2	--	1.9
	07/11/12	ug/L	--	--	--	19	--	--	1.4	--	--
	08/03/12	ug/L	--	--	--	16	--	--	<0.2	--	--
	08/06/12	ug/L	60	--	42	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	11	--	--	<0.2	--	<0.2
	10/15/12	ug/L	--	--	--	18	--	--	<0.2	--	--
	11/05/12	ug/L	240	--	83	12	--	--	<0.2	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	12/10/12	ug/L	--	--	--	17	--	--	<0.2	--	0.13
	01/04/13	ug/L	--	--	--	10	--	--	<0.2	--	--
	02/04/13	ug/L	480	--	58	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	25	--	--	<0.2	--	--
	03/09/13	ug/L	--	--	--	18	--	--	<0.2	--	<0.2
	04/15/13	ug/L	--	--	--	13	--	--	0.33	--	--
	05/07/13	ug/L	--	--	--	22	--	--	0.66	--	--
	05/13/13	ug/L	450	--	41	--	--	--	--	--	--
	06/13/13	ug/L	--	--	--	25	--	--	0.89	--	1.1
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	07/02/13	ug/L	--	--	--	27	--	--	0.98	--	--
	08/10/13	ug/L	--	--	--	24	--	--	0.86	--	--
	08/12/13	ug/L	370	--	81	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	9.7	--	--	0.72	--	1.3
	10/05/13	ug/L	--	--	--	31	--	--	1.4	--	--
	11/01/13	ug/L	--	--	--	28	--	--	0.70	--	--
	11/11/13	ug/L	430	--	130	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	22	--	--	0.47	--	0.61
	01/17/14	ug/L	--	--	--	21	--	--	4.6	--	--
	02/03/14	ug/L	390	--	140	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	26	--	--	0.99	--	--
	03/04/14	ug/L	--	--	--	41	--	--	0.68	--	1
	05/20/14	ug/L	--	--	380	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	8.3	0.66	--	0.81
	08/01/14	ug/L	--	--	--	--	9.7	--	1.0	--	--
	08/04/14	ug/L	--	--	--	--	12	--	2.2	--	--
	08/05/14	ug/L	--	--	--	--	11	--	0.80	--	--
	08/06/14	ug/L	--	--	--	--	11	--	2.1	--	--
	08/07/14	ug/L	--	--	--	--	11	--	1.8	--	--
	08/08/14	ug/L	--	--	--	--	8.8	--	2.0	--	--
	08/15/14	ug/L	--	--	--	--	13	--	9.8	--	--
	08/18/14	ug/L	360	--	970	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	8.5	--	1.2	--	--
	08/29/14	ug/L	--	--	--	--	15	--	11	--	--
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.2
	11/03/14	ug/L	--	97	--	6.3	27	--	11.0	--	--
	11/04/14	ug/L	54	--	1800	--	--	--	--	--	--
	11/19/14	ug/L	--	--	--	--	--	32	<0.2	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	2.1
	12/18/14	ug/L	--	140	--	5.7	33	--	<0.20	--	2.3
	01/19/15	ug/L	--	90	--	12	32	--	0.28	--	0.34
	02/02/15	ug/L	290	--	340	--	--	--	--	--	--
	02/13/15	ug/L	--	180	--	7.8	48	--	1.6	--	0.55
	03/06/15	ug/L	--	120	--	9.2	40	--	<0.20	--	0.39
	04/02/15	ug/L	--	140	--	12	30	--	<0.20	--	0.38
	05/01/15	ug/L	--	130	--	16	40	--	0.62	--	0.54
	05/12/15	ug/L	350	--	180	--	--	--	--	--	--
	06/05/15	ug/L	--	130	--	18	38	--	0.28	--	0.67
	07/14/15	ug/L	--	110	--	19	40	--	0.65	--	0.77
	08/06/15	ug/L	--	130	--	20	43	--	0.57	--	0.9
	08/11/15	ug/L	250	--	300	--	--	--	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/03/15	ug/L	--	150	--	17	40	--	0.26	--	0.31
	10/06/15	ug/L	--	130	--	17	46	--	0.43	--	0.39
	11/02/15	ug/L	380	--	240	--	--	--	--	--	--
	11/05/15	ug/L	--	120	--	10	20	--	<0.20	--	<0.20
	12/03/15	ug/L	--	170	--	18	27	--	0.25	--	<0.20
	12/11/15	ug/L	--	100	--	12	31	--	<0.20	<0.20	<0.20
	01/07/16	ug/L	--	110	--	13	33	--	<0.20	--	<0.20
	01/21/16	ug/L	--	110	--	14	38	--	<0.20	<0.20	<0.20
	02/01/16	ug/L	270	110	--	12	31	--	<0.20	--	<0.20
	02/18/16	ug/L	--	100	--	7.7	20	--	<0.20	<0.20	<0.20
	03/03/16	ug/L	--	120	--	11	27	--	<0.2	--	<0.2
	03/17/16	ug/L	--	140	--	11	33	--	<0.2	<0.2	<0.2
	04/05/16	ug/L	--	91	--	7.2	27	--	<0.2	--	<0.2
	04/21/16	ug/L	--	94	--	7.5	24	--	<0.2	<0.2	1.8
	05/02/16	ug/L	220	--	73	--	--	--	--	--	0.42
	05/05/16	ug/L	--	94	--	15	37	--	<0.2	<0.2	<0.2
	05/19/16	ug/L	--	68	--	9.9	33	--	<0.2	<0.2	<0.2
	06/01/16	ug/L	--	110	--	12	33	--	0.2	<0.2	<0.2
	06/16/16	ug/L	--	82	--	7.6	24	--	<0.2	<0.2	<0.2
	07/07/16	ug/L	--	95	--	7.3	25	--	<0.2	<0.2	<0.2
	07/21/16	ug/L	--	81	--	8.4	21	--	<0.2	<0.2	<0.2
	08/01/16	ug/L	250	--	90	--	--	--	--	--	--
	08/04/16	ug/L	--	77	--	6.5	21	--	<0.2	<0.2	<0.2
	08/18/16	ug/L	--	86	--	9.6	26	--	<0.2	<0.2	<0.2
	09/08/16	ug/L	--	77	--	8.1	20	--	<0.2	<0.2	<0.2
	09/15/16	ug/L	--	78	--	7.2	19	--	<0.2	<0.2	<0.2
	10/06/16	ug/L	--	72	--	9.6	22	--	<0.2	<0.2	<0.2
	10/20/16	ug/L	--	71	--	7.8	22	--	<0.2	2.7	2.8
	11/01/16	ug/L	--	73	--	6.6	20	--	<0.2	<0.2	<0.2
	11/08/16	ug/L	220	--	110	--	--	--	--	--	--
	11/17/16	ug/L	--	79	--	7.0	23	--	<0.2	<0.2	<0.2
	12/01/16	ug/L	--	85	--	6.1	24	--	<0.2	<0.2	<0.2
	12/15/16	ug/L	--	85	--	6.3	--	--	--	--	--
	12/16/16	ug/L	--	--	--	--	28	--	<0.2	<0.2	<0.2
	01/06/17	ug/L	--	110	--	4.5	27	--	<0.2	<0.2	<0.2
	01/26/17	ug/L	--	130	--	3.5	36	--	<0.2	<0.2	<0.2
	02/03/17	ug/L	--	--	--	4.5	3.3	--	<0.2	<0.2	<0.2
	02/09/17	ug/L	--	110	--	--	--	--	--	--	--
	02/16/17	ug/L	--	81	--	6.1	21	--	<0.2	<0.2	<0.2
	03/02/17	ug/L	--	78	--	5.0	21	--	<0.2	<0.2	<0.2
	03/16/17	ug/L	--	95	--	<2.0	<2.0	--	<0.2	<0.2	<0.2
	04/06/17	ug/L	--	55	--	2.4	15	--	<0.2	<0.2	<0.2
	04/20/17	ug/L	--	67	--	<2.0	20	--	<0.2	<0.2	<0.2
	05/04/17	ug/L	--	2.7 U	--	95 U	21	--	<0.2	<0.2	<0.2
	05/15/17	ug/L	140	--	110	--	--	--	--	--	--
	05/18/17	ug/L	--	87	--	<2.0	16	--	<2.0	<2.0	<2.0
	06/01/17	ug/L	--	75	--	< 2.0	27	--	<0.2	<0.2	<0.2
	06/15/17	ug/L	--	72	--	5.9	17	--	<0.2	<0.2	<0.2
	07/06/17	ug/L	--	75	--	17	28	--	<0.2	<0.2	<0.2
	07/20/17	ug/L	--	79	--	4.6	19	--	<0.2	<0.2	<0.2
	08/03/17	ug/L	--	73	--	< 2.0	21	--	<0.2	<0.2	<0.2

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	08/07/17	ug/L	180	--	43	--	--	--	--	--	--
	08/17/17	ug/L	--	68	--	<2.0	18	--	<0.2	<0.2	<0.2
	09/01/17	ug/L	--	73	--	4.4	20	--	<0.2	<0.2	<0.2
	09/14/17	ug/L	--	82	--	<2.0	22	--	<0.2	<0.2	<0.2
	10/06/17	ug/L	--	59	--	<2.0	14	--	<0.2	<0.2	<0.2
	10/19/17	ug/L	--	44	--	<2.0	11	--	<0.2	<0.2	<0.2
	11/06/17	ug/L	120 E	31	<2.0	<2.0	<2.0	--	0.32	0.61	<0.2
	11/20/17	ug/L	--	47	--	<2.0	9.9	--	<0.2	<0.2	<0.2
	12/04/17	ug/L	--	42	--	<2.0	11	--	<0.2	<0.2	<0.2
	12/14/17	ug/L	--	53	--	<2.0	10	--	<0.2	<0.2	<0.2
	01/04/18	ug/L	--	32	--	<2.0	7.2	--	<0.2	<0.2	<0.2
	01/18/18	ug/L	--	31	--	<2.0	7.5	--	<0.2	<0.2	<0.2
	02/01/18	ug/L	--	44	--	<2.0	6.8	--	<0.2	<0.2	<0.2
	02/15/18	ug/L	--	55	--	2.7	12	--	<0.2	<0.2	<0.2
	02/27/18	ug/L	49	--	--	--	--	--	--	--	--
	03/19/18	ug/L	--	--	14	--	--	--	--	--	--
Bromide	07/08/08	ug/L	1100	--	600	--	830	680	800	--	590
	07/09/08	ug/L	830	--	460	--	610	--	610	--	610
	07/10/08	ug/L	820	--	470	--	640	--	600	--	620
	07/15/08	ug/L	890	--	450	--	680	690	610	--	760
	07/16/08	ug/L	640	--	490	--	830	--	600	--	600
	07/23/08	ug/L	910	--	670	--	1100	--	830	--	960
	07/30/08	ug/L	3100	--	1300	--	2400	--	2600	--	2700
	08/06/08	ug/L	910	--	560	--	590	--	590	--	780
	08/25/08	ug/L	870	--	390	--	620	--	590	--	580
	09/24/08	ug/L	710	--	320	--	510	--	490	--	550
	10/22/08	ug/L	970	--	610	--	750	--	700	--	700
	11/26/08	ug/L	1100	--	740	--	1000	--	1000	--	880
	02/25/09	ug/L	2000	--	410	--	580	--	580	--	570
	03/18/09	ug/L	900	--	440	--	670	--	660	--	610
	04/29/09	ug/L	960	--	380	--	650	--	650	--	720
	05/27/09	ug/L	1000	--	380	--	660	--	670	--	680
	06/29/09	ug/L	1200	--	300	--	560	--	630	--	650
	07/22/09	ug/L	1100	--	430	--	870	--	820	--	830
	08/14/09	ug/L	1600	--	480	--	1100	--	1100	--	1100
	09/11/09	ug/L	970	--	490	--	620	--	590	--	1000
	10/08/09	ug/L	1100	--	420	--	910	--	770	--	820
	12/09/09	ug/L	1400	--	540	--	920	--	880	--	980
	03/22/10	mg/L	--	--	--	0.36	--	--	0.35	--	0.36
	03/23/10	mg/L	--	--	--	0.36	--	--	0.35	--	0.33
	03/24/10	mg/L	--	--	--	0.34	--	--	0.33	--	0.32
	03/25/10	mg/L	--	--	--	0.32	--	--	0.32	--	0.32
	03/26/10	mg/L	--	--	--	0.33	--	--	0.31	--	0.31
	04/01/10	mg/L	--	--	--	0.36	--	--	0.31	--	0.34
	04/09/10	mg/L	--	--	--	0.31	--	--	0.30	--	0.29
	04/13/10	mg/L	--	--	--	0.37	--	--	0.33	--	0.32
	04/23/10	mg/L	--	--	--	0.30	--	--	0.38	--	0.3
	05/25/10	mg/L	--	--	--	0.45	--	--	0.33	--	0.34
	06/10/10	mg/L	--	--	--	0.34	--	--	0.33	--	0.33
	07/08/10	mg/L	--	--	--	0.30	--	--	0.33	--	0.33
	08/02/10	mg/L	--	--	--	0.27	--	--	0.28	--	0.28

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SELECT COMPOUNDS MONITORED IN
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HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	09/02/10	mg/L	--	--	--	0.25	--	--	0.27	--	0.23
	10/07/10	mg/L	--	--	--	0.25	--	--	0.26	--	0.25
	11/11/10	mg/L	--	--	--	0.20	--	--	0.19	--	0.18
	12/07/10	mg/L	--	--	--	0.28	--	--	0.27	--	0.28
	01/13/11	mg/L	--	--	--	0.25	--	--	0.24	--	0.26
	02/03/11	mg/L	--	--	--	0.22	--	--	0.22	--	0.22
	03/02/11	mg/L	--	--	--	0.23	--	--	0.23	--	0.22
	04/01/11	mg/L	--	--	--	0.16	--	--	0.15	--	0.16
	05/04/11	mg/L	--	--	--	3.0	--	--	3.00	--	3.2
	06/07/11	mg/L	--	--	--	3.2	--	--	3.30	--	3.2
	07/02/11	mg/L	--	--	--	0.64	--	--	0.65	--	0.64
	08/01/11	mg/L	--	--	--	2.3	--	--	2.30	--	2.3
	09/09/11	mg/L	--	--	--	0.48	--	--	0.50	--	0.52
	10/17/11	mg/L	--	--	--	0.48	--	--	0.47	--	0.47
	11/01/11	mg/L	--	--	--	0.43	--	--	0.42	--	0.43
	12/07/11	mg/L	0.51	--	--	0.15	0.23	--	0.24	--	0.23
	01/06/12	mg/L	3.5	--	--	0.80	1.4	--	1.50	--	1.4
	02/08/12	mg/L	1.1	--	--	0.23	0.46	--	0.43	--	0.44
	03/09/12	mg/L	1.2	--	--	0.21	0.44	--	0.44	--	0.44
	04/16/12	mg/L	--	--	--	0.19	--	--	0.19	--	0.21
	05/01/12	mg/L	--	--	--	0.28	--	--	0.28	--	0.31
	06/08/12	mg/L	--	--	--	0.19	--	--	0.19	--	0.18
	07/11/12	mg/L	--	--	--	0.19	--	--	0.19	--	0.19
	08/03/12	mg/L	--	--	--	0.52	--	--	0.50	--	0.19
	09/06/12	mg/L	--	--	--	0.19	--	--	0.19	--	0.21
	10/15/12	mg/L	--	--	--	0.20	--	--	0.20	--	0.19
	11/05/12	mg/L	--	--	--	0.20	--	--	0.20	--	0.19
	12/10/12	mg/L	--	--	--	0.18	--	--	0.17	--	0.17
	01/04/13	mg/L	--	--	--	0.07	--	--	0.21	--	0.22
	02/09/13	mg/L	--	--	--	0.19	--	--	0.21	--	0.19
	03/09/13	mg/L	--	--	--	0.21	--	--	0.23	--	0.21
	04/15/13	mg/L	--	--	--	0.22	--	--	0.20	--	0.21
	05/07/13	mg/L	--	--	--	0.19	--	--	0.20	--	0.18
	06/13/13	mg/L	--	--	--	0.21	--	--	0.21	--	0.21
	07/02/13	mg/L	--	--	--	0.17	--	--	0.18	--	0.19
	08/10/13	mg/L	--	--	--	0.17	--	--	0.15	--	0.14
	09/03/13	mg/L	--	--	--	0.46	--	--	0.46	--	0.46
	10/05/13	mg/L	--	--	--	0.21	--	--	0.20	--	0.23
	11/01/13	mg/L	--	--	--	0.22	--	--	0.23	--	0.23
	12/11/13	mg/L	--	--	--	0.22	--	--	0.21	--	0.2
	01/17/14	mg/L	--	--	--	0.21	--	--	0.21	--	0.21
	02/11/14	mg/L	--	--	--	0.24	--	--	0.22	--	0.2
	03/04/14	mg/L	--	--	--	0.21	--	--	0.18	--	0.19
	08/01/14	mg/L	--	--	--	--	<0.05	--	--	--	--
	08/08/14	mg/L	--	--	--	--	0.41	--	--	--	--
	11/03/14	mg/L	--	0.47	--	0.22	0.27	--	--	--	--
	12/18/14	mg/L	--	<0.01	--	<0.01	<0.01	--	--	--	--
	01/19/15	mg/L	--	0.54	--	0.27	0.33	--	--	--	--
	02/13/15	mg/L	--	0.48	--	0.19	0.25	--	--	--	--
	03/06/15	mg/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/15	mg/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	05/01/15	mg/L	--	0.95	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/12/15	mg/L	10	--	1.6	--	--	--	--	--	--
	06/05/15	mg/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/14/15	mg/L	--	0.99	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/15	mg/L	--	1.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/11/15	mg/L	8.4	--	3.6	--	--	--	--	--	--
	09/03/15	mg/L	--	0.94	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/06/15	mg/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/02/15	mg/L	7.3	--	4.2	--	--	--	--	--	--
	11/05/15	mg/L	--	1.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/15	mg/L	--	0.66	--	0.31	0.32	--	--	--	--
	01/07/16	mg/L	--	0.56	--	0.24	0.31	--	--	--	--
	02/01/16	mg/L	--	0.41	--	0.20	0.24	--	--	--	--
	03/03/16	mg/L	--	0.46	--	0.23	0.22	--	--	--	--
	04/05/16	mg/L	--	0.48	--	0.23	0.28	--	--	--	--
	05/05/16	mg/L	--	0.43	--	0.22	0.27	--	--	--	--
	06/01/16	mg/L	--	0.88	--	0.43	0.48	--	--	--	--
	07/07/16	mg/L	--	0.66	--	0.32	0.29	--	--	--	--
	08/04/16	mg/L	--	0.52	--	0.24	0.3	--	--	--	--
	09/08/16	mg/L	--	0.35	--	0.34	0.38	--	--	--	--
	10/06/16	mg/L	--	0.26	--	0.15	0.17	--	--	--	--
	11/01/16	mg/L	--	0.26	--	0.12	0.15	--	--	--	--
	12/01/16	mg/L	--	0.18	--	0.10	0.11	--	--	--	--
	01/06/17	mg/L	--	43	--	22	25	--	--	--	--
	02/03/17	mg/L	--	--	--	0.42	0.42	--	--	--	--
	03/02/17	mg/L	--	0.94	--	0.63	0.71	--	--	--	--
	04/06/17	mg/L	--	0.33	--	0.18	0.22	--	--	--	--
	05/04/17	mg/L	--	0.51	--	0.27	0.32	--	--	--	--
	06/01/17	mg/L	--	0.35	--	0.21	0.23	--	--	--	--
	07/06/17	mg/L	--	0.41	--	0.20	0.27	--	--	--	--
	08/03/17	mg/L	--	0.35	--	0.18	0.22	--	--	--	--
	09/01/17	mg/L	--	0.43	--	< 0.25	0.29	--	--	--	--
	10/06/17	mg/L	--	0.30	--	0.18	0.19	--	--		
	11/06/17	mg/L	--	0.32	--	0.21	0.23	--	--	--	--
	12/04/17	mg/L	--	0.26	--	0.17	0.18	--	--	--	--
	01/04/18	mg/L	--	0.32	--	0.20	0.23	--	--	--	--
	02/01/18	mg/L	--	0.33	--	0.19	0.21	--	--	--	--
Bromate	06/22/05	ug/L	--	--	500	--	--	--	--	--	--
(10 ug/L MCL)	07/08/08	ug/L	<4	--	<4	--	<4	<0.50	<4	--	<4
	07/09/08	ug/L	<4	--	<4	--	<4	--	19	--	<4
	07/10/08	ug/L	<4	--	<4	--	6.0	--	44	--	18
	07/15/08	ug/L	<4	--	<4	--	<4	<4	77	--	<4
	07/16/08	ug/L	<4	--	<4	--	<4	--	61	--	47
	07/23/08	ug/L	<4	--	<4	--	<4	--	<4	--	63
	07/30/08	ug/L	<4	--	<4	--	<4	--	<4	--	23
	08/06/08	ug/L	<4	--	<4	--	<4	--	5.0	--	<4
	08/25/08	ug/L	<5.0	--	<5.0	--	<5.0	--	7.8	--	17
	09/24/08	ug/L	<0.50	--	<0.50	--	<0.50	--	59	--	39
	10/22/08	ug/L	<0.50	--	<0.50	--	<5.0	--	<25	--	<5
	10/23/08	ug/L	<4	--	0.61	--	<4	--	--	--	--
	11/26/08	ug/L	<4	--	<4	--	<4	--	<4	--	<4

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	02/25/09	ug/L	<4	--	<4	--	<4	--	5.0	--	<4
	03/18/09	ug/L	<4	--	<4	--	<4	--	22	--	7.0
	04/29/09	ug/L	<4	--	<4	--	6.0	--	31	--	34
	05/27/09	ug/L	<4	--	<4	--	<4	--	24	--	26
	06/29/09	ug/L	<4	--	<4	--	<4	--	18	--	15
	07/22/09	ug/L	<4	--	<4	--	<4	--	15	--	26
	08/14/09	ug/L	<4	--	<4	--	<4	--	<4	--	39
	09/11/09	ug/L	<4	--	<4	--	<4	--	9.0	--	22
	10/08/09	ug/L	<4	--	<4	--	<4	--	17	--	24
	12/09/09	ug/L	<4	--	<4	--	<4	--	18	--	23
	03/22/10	ug/L	--	--	--	<0.9	--	--	13.1	--	4.2
	03/23/10	ug/L	--	--	--	<0.5	--	--	16.4	--	30.1
	03/24/10	ug/L	--	--	--	<0.5	--	--	10.5	--	12.4
	03/25/10	ug/L	--	--	--	<0.5	--	--	11.6	--	10.3
	03/26/10	ug/L	--	--	--	<0.5	--	--	8.7	--	5.3
	04/01/10	ug/L	--	--	--	<0.5	--	--	12.7	--	<0.5
	04/09/10	ug/L	--	--	--	<0.5	--	--	9.6	--	10.5
	04/13/10	ug/L	--	--	--	<0.5	--	--	7.3	--	8.4
	04/23/10	ug/L	--	--	--	<0.5	--	--	7.4	--	7.0
	05/25/10	ug/L	--	--	--	<0.5	--	--	6.8	--	7.0
	06/10/10	ug/L	--	--	--	<0.5	--	--	7.7	--	6.6
	07/08/10	ug/L	--	--	--	0.6	--	--	7.3	--	6.7
	08/02/10	ug/L	--	--	--	<0.5	--	--	6.8	--	6.8
	09/02/10	ug/L	--	--	--	<0.5	--	--	7.0	--	7.3
	10/07/10	ug/L	--	--	--	<0.5	--	--	10.9	--	7.1
	11/11/10	ug/L	--	--	--	<0.5	--	--	7.0	--	11
	12/07/10	ug/L	--	--	--	<0.5	--	--	4.8	--	3.5
	01/13/11	ug/L	--	--	--	<0.5	--	--	9.3	--	7.9
	02/03/11	ug/L	--	--	--	<0.5	--	--	7.2	--	7.0
	03/02/11	ug/L	--	--	--	<0.5	--	--	10	--	8.4
	04/01/11	ug/L	--	--	--	<0.5	--	--	7.9	--	7.3
	05/04/11	ug/L	--	--	--	<0.5	--	--	8.6	--	8.0
	06/07/11	ug/L	--	--	--	<0.5	--	--	8.0	--	3.2
	07/02/11	ug/L	--	--	--	<0.5	--	--	6.5	--	4.1
	08/01/11	ug/L	--	--	--	<0.5	--	--	6.4	--	5.5
	09/09/11	ug/L	--	--	--	<0.5	--	--	8.1	--	11.9
	10/17/11	ug/L	--	--	--	<0.5	--	--	9.9	--	9.1
	11/01/11	ug/L	--	--	--	<0.5	--	--	12	--	7.9
	12/07/11	ug/L	<0.5	--	--	<0.5	<0.5	--	12	--	9.3
	01/06/12	ug/L	0.7	--	--	<0.5	1.0	--	14	--	7.3
	02/08/12	ug/L	<0.5	--	--	<0.5	<0.5	--	14	--	7.3
	03/09/12	ug/L	<0.5	--	--	<0.5	<0.5	--	12	--	12
	04/16/12	ug/L	--	--	--	<0.5	--	--	6.0	--	7.1
	05/01/12	ug/L	--	--	--	<0.5	--	--	8.0	--	6.3
	06/08/12	ug/L	--	--	--	<0.5	--	--	7.0	--	3.1
	07/11/12	ug/L	--	--	--	<0.5	--	--	5.0	--	4.2
	08/03/12	ug/L	--	--	--	<0.5	--	--	5.7	--	5.4
	09/06/12	ug/L	--	--	--	<0.5	--	--	6.7	--	7.1
	10/15/12	ug/L	--	--	--	<0.5	--	--	7.7	--	8.4
	11/05/12	ug/L	--	--	--	<0.5	--	--	5.4	--	6.7
	12/10/12	ug/L	--	--	--	<0.5	--	--	8.0	--	5.5

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SELECT COMPOUNDS MONITORED IN
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HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	01/04/13	ug/L	--	--	--	0.3	--	--	9.0	--	7.5
	02/09/13	ug/L	--	--	--	0.4	--	--	9.0	--	6.6
	03/09/13	ug/L	--	--	--	0.4	--	--	8.0	--	6.6
	04/15/13	ug/L	--	--	--	<0.3	--	--	7.0	--	5.0
	05/07/13	ug/L	--	--	--	0.3	--	--	9.0	--	6.1
	06/17/13	ug/L	--	--	--	<0.3	--	--	5.0	--	4.9
	07/03/13	ug/L	--	--	--	<0.3	--	--	5.0	--	4.2
	08/10/13	ug/L	--	--	--	0.3	--	--	6.0	--	5.1
	09/03/13	ug/L	--	--	--	0.3	--	--	5.0	--	4.8
	10/05/13	ug/L	--	--	--	0.3	--	--	8.0	--	6.2
	11/01/13	ug/L	--	--	--	0.4	--	--	6.0	--	4.9
	12/11/13	ug/L	--	--	--	0.4	--	--	8.0	--	6.5
	01/17/14	ug/L	--	--	--	0.3	--	--	5.0	--	5.0
	02/11/14	ug/L	--	--	--	0.3	--	--	6.0	--	5.7
	03/04/14	ug/L	--	--	--	0.6	--	--	5.0	--	5.1
	08/01/14	ug/L	--	--	--	--	--	--	1.1	--	--
	08/04/14	ug/L	--	--	--	--	--	--	1.0	--	--
	08/05/14	ug/L	--	--	--	--	--	--	0.3	--	--
	08/06/14	ug/L	--	--	--	--	--	--	1.0	--	--
	08/07/14	ug/L	--	--	--	--	--	--	0.3	--	--
	08/08/14	ug/L	--	--	--	--	--	--	0.4	--	--
	08/15/14	ug/L	--	--	--	--	--	--	2.0	--	--
	08/22/14	ug/L	--	--	--	--	--	--	0.6	--	--
	08/29/14	ug/L	--	--	--	--	--	--	0.6	--	--
	11/03/14	ug/L	--	--	--	--	--	--	0.4	--	--
	12/18/14	ug/L	--	--	--	--	--	--	<0.3	--	--
	01/19/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	02/13/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	03/06/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	04/02/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	05/01/15	ug/L	--	--	--	--	--	--	0.7	--	--
	06/05/15	ug/L	--	--	--	--	--	--	0.5	--	--
	07/14/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	08/06/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	09/03/15	ug/L	--	--	--	--	--	--	<0.50	--	--
	10/06/15	ug/L	--	--	--	--	--	--	0.6	--	--
	11/05/15	ug/L	--	--	--	--	--	--	<0.50	--	--
	12/03/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	01/07/16	ug/L	--	--	--	--	--	--	<0.3	--	--
	02/01/16	ug/L	--	--	--	--	--	--	<0.5	--	--
	03/03/16	ug/L	--	--	--	--	--	--	<1.0	--	--
	04/05/16	ug/L	--	--	--	--	--	--	<0.5	--	--
	05/05/16	ug/L	--	--	--	--	--	--	<0.5	--	--
	06/01/16	ug/L	--	--	--	--	--	--	<0.5	--	--
	07/07/16	ug/L	--	--	--	--	--	--	<0.5	--	--
	08/04/16	ug/L	--	--	--	--	--	--	<0.5	--	--
	09/08/16	ug/L	--	--	--	--	--	--	<1.0	--	--
	10/06/16	ug/L	--	--	--	--	<1.0	--	<1.0	--	--
	11/01/16	ug/L	--	--	--	--	<0.2	--	<0.2	--	--
	12/01/16	ug/L	--	--	--	--	<0.3	--	<0.3	--	--
	01/06/17	ug/L	--	--	--	--	<0.3	--	<0.3	--	--
	02/03/17	ug/L	--	--	--	--	<0.3	--	<0.3	--	--
	03/02/17	ug/L	--	--	--	--	0.3	--	<0.3	--	--
	04/06/17	ug/L	--	--	--	--	<0.3	--	<0.3	--	--
	05/04/17	ug/L	--	--	--	--	0.3	--	<0.3	--	--
	06/01/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	07/06/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	08/03/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	09/01/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	10/06/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--

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SELECT COMPOUNDS MONITORED IN
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HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	11/06/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	12/04/17	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	01/04/18	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
	02/01/18	ug/L	--	--	--	--	< 0.5	--	< 0.5	--	--
Total Non-Filterable Residue	07/08/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/09/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/10/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/15/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/16/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/23/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/30/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	08/06/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	08/25/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	09/24/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	10/22/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	11/26/08	mg/L	<10	--	<10	--	<10	<10	--	--	--
	02/25/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	03/18/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	04/29/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	05/27/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	06/29/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	07/22/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	08/14/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	09/11/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	10/08/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	12/09/09	mg/L	<10	--	<10	--	<10	<10	--	--	--
	03/22/10	mg/L	--	--	--	<10	--	<10	--	--	--
	05/25/10	mg/L	--	--	--	<10	--	<10	--	--	--
	06/10/10	mg/L	--	--	--	<10	--	<10	--	--	--
	07/08/10	mg/L	--	--	--	<10	--	<10	--	--	--
	08/02/10	mg/L	--	--	--	<10	--	<10	--	--	--
	09/02/10	mg/L	--	--	--	<10	--	<10	--	--	--
	10/07/10	mg/L	--	--	--	<10	--	<10	--	--	--
	11/11/10	mg/L	--	--	--	<10	--	<10	--	--	--
	12/07/10	mg/L	--	--	--	<10	--	<10	--	--	--
	01/13/11	mg/L	--	--	--	<10	--	<10	--	--	--
	02/03/11	mg/L	--	--	--	<10	--	<10	--	--	--
	03/02/11	mg/L	--	--	--	<10	--	<10	--	--	--
	04/01/11	mg/L	--	--	--	<10	--	<10	--	--	--
	05/04/11	mg/L	--	--	--	<10	--	<10	--	--	--
	06/07/11	mg/L	--	--	--	<10	--	<10	--	--	--
	07/02/11	mg/L	--	--	--	<10	--	<10	--	--	--
	08/01/11	mg/L	--	--	--	<10	--	<10	--	--	--
	09/09/11	mg/L	--	--	--	<10	--	<10	--	--	--
	10/17/11	mg/L	--	--	--	<10	--	<10	--	--	--
	11/01/11	mg/L	--	--	--	<10	--	<10	--	--	--
	12/18/14	mg/L	--	--	--	--	--	<3.7	--	--	--
	01/19/15	mg/L	--	--	--	--	--	<4.3	--	--	--
	02/13/15	mg/L	--	--	--	--	--	<4.0	--	--	--
	03/06/15	mg/L	--	--	--	--	--	<4.0	--	--	--
	04/02/15	mg/L	--	--	--	--	--	<3.7	--	--	--
	05/01/15	mg/L	--	--	--	--	--	<3.7	--	--	--
	06/05/15	mg/L	--	--	--	--	--	<3.7	--	--	--
	07/14/15	mg/L	--	--	--	--	--	<3.8	--	--	--
	08/06/15	mg/L	--	--	--	--	--	<4.0	--	--	--
	09/03/15	mg/L	--	--	--	--	--	<6.70	--	--	--
	10/06/15	mg/L	--	--	--	--	--	<1.10	--	--	--
	11/05/15	mg/L	--	--	--	--	--	<1.40	--	--	--
	12/03/15	mg/L	--	--	--	--	--	<1.0	--	--	--
	01/07/16	mg/L	--	--	--	--	--	<2.0	--	--	--
	02/01/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	03/03/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	04/05/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	05/05/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	06/01/16	mg/L	--	--	--	--	--	<1.0	<0.5	--	--
	07/07/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	08/04/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	09/08/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	10/06/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	11/01/16	mg/L	--	--	--	--	--	<1.1	--	--	--
	12/01/16	mg/L	--	--	--	--	--	<1.1	--	--	--
	01/06/17	mg/L	--	--	--	--	--	<1.1	--	--	--

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

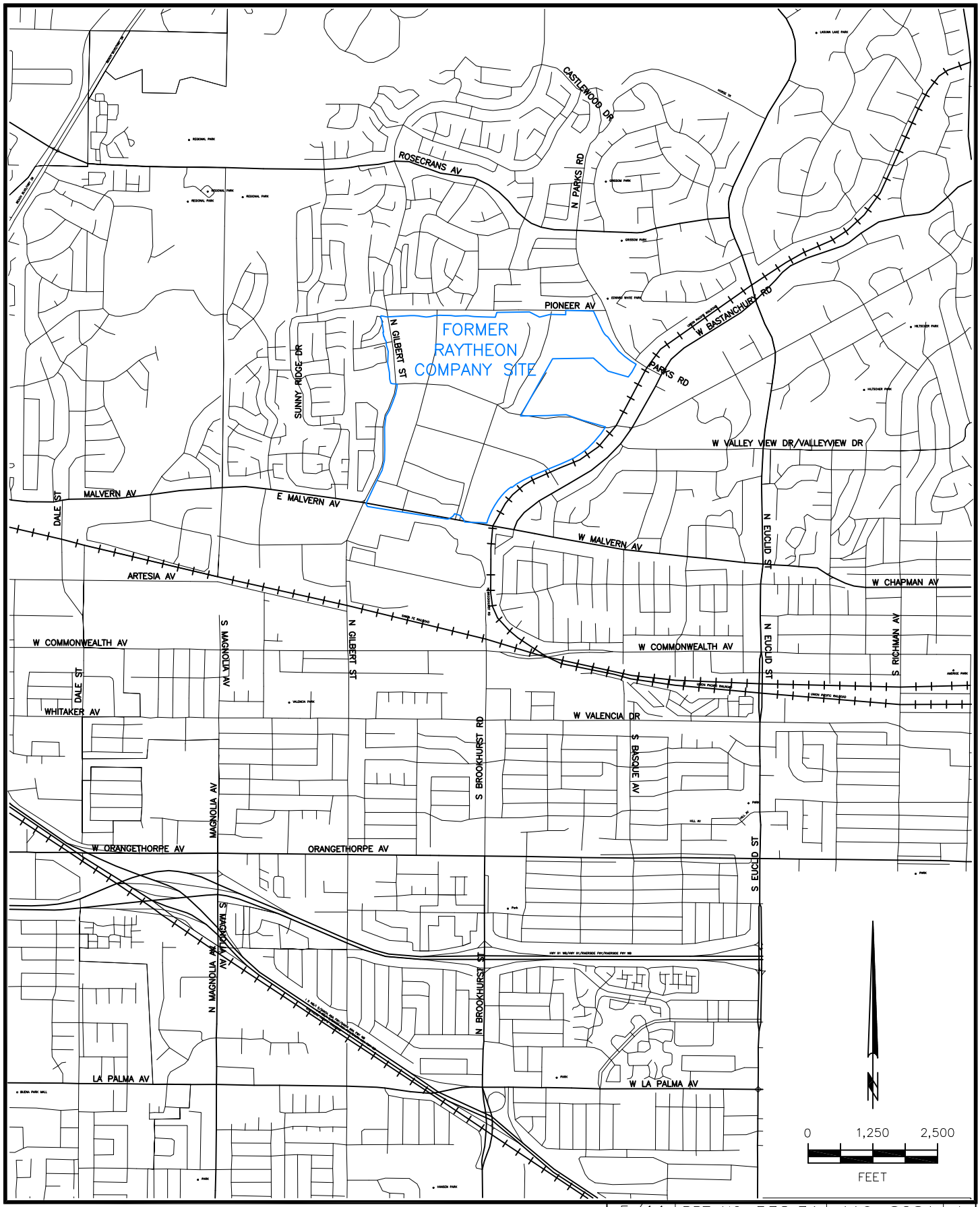
Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	02/03/17	mg/L	--	--	--	--	--	<1.1	--	--	--
	03/02/17	mg/L	--	--	--	--	--	<1.1	--	--	--
	04/06/17	mg/L	--	--	--	--	--	<1.1	--	--	--
	05/04/17	mg/L	--	--	--	--	--	<1.1	--	--	--
	06/01/17	mg/L	--	--	--	--	--	< 2.0	--	--	--
	07/06/17	mg/L	--	--	--	--	--	< 1.0	--	--	--
	08/03/17	mg/L	--	--	--	--	--	< 1.0	--	--	--
	09/01/17	mg/L	--	--	--	--	--	< 1.0	--	--	--
	10/06/17	mg/L	--	--	--	--	--	< 1.0	--	--	--
	11/06/17	mg/L	--	--	--	--	--	< 1.0	--	--	--
	12/04/17	mg/L	--	--	--	--	--	< 1.0	--	--	--
	01/04/18	mg/L	--	--	--	--	--	< 1.0	--	--	--
	02/01/18	mg/L	--	--	--	--	--	< 1.0	--	--	--
Total Filterable Residue	07/08/08	mg/L	1000	--	770	--	870	--	880	--	--
(500 mg/L MCL)	07/09/08	mg/L	1100	--	830	--	930	--	960	--	--
	07/10/08	mg/L	1100	--	830	--	970	--	950	--	--
	07/15/08	mg/L	1200	--	840	--	1000	--	1000	--	--
	07/16/08	mg/L	1200	--	890	--	1100	--	1000	--	--
	07/23/08	mg/L	1100	--	850	--	980	--	940	--	--
	07/30/08	mg/L	1100	--	800	--	910	--	890	--	--
	08/06/08	mg/L	940	--	710	--	810	--	810	--	--
	08/25/08	mg/L	1000	--	740	--	860	--	870	--	--
	09/24/08	mg/L	960	--	770	--	810	--	840	--	830
	10/22/08	mg/L	910	--	790	--	860	--	860	--	850
	11/26/08	mg/L	870	--	770	--	840	--	850	--	860
	02/25/09	mg/L	840	--	770	--	810	--	840	--	860
	03/18/09	mg/L	890	--	780	--	830	--	840	--	860
	04/29/09	mg/L	1000	--	800	--	930	--	910	--	940
	05/27/09	mg/L	1200	--	790	--	910	--	910	--	880
	06/29/09	mg/L	1100	--	740	--	920	--	830	--	880
	07/22/09	mg/L	1100	--	800	--	940	--	620	--	930
	08/14/09	mg/L	1200	--	770	--	950	--	920	--	940
	09/11/09	mg/L	1200	--	810	--	1000	--	940	--	1300
	10/08/09	mg/L	1100	--	790	--	950	--	940	--	960
	12/09/09	mg/L	1200	--	820	--	1100	--	1100	--	1100
	03/22/10	mg/L	--	--	--	760	--	--	--	--	--
	03/24/10	mg/L	--	--	--	--	--	--	--	--	680
	05/25/10	mg/L	--	--	--	660	--	--	660	--	650
	06/10/10	mg/L	--	--	--	670	--	--	670	--	660
	07/08/10	mg/L	--	--	--	660	--	--	650	--	660
	08/02/10	mg/L	--	--	--	660	--	--	650	--	660
	09/02/10	mg/L	--	--	--	650	--	--	650	--	640
	10/07/10	mg/L	--	--	--	700	--	--	680	--	700
	11/11/10	mg/L	--	--	--	660	--	--	650	--	660
	12/07/10	mg/L	--	--	--	660	--	--	650	--	660
	01/13/11	mg/L	--	--	--	670	--	--	680	--	670
	02/03/11	mg/L	--	--	--	670	--	--	710	--	700
	03/02/11	mg/L	--	--	--	660	--	--	670	--	680
	04/01/11	mg/L	--	--	--	650	--	--	650	--	640
	05/04/11	mg/L	--	--	--	680	--	--	690	--	680
	06/07/11	mg/L	--	--	--	660	--	--	650	--	650
	07/02/11	mg/L	--	--	--	650	--	--	630	--	640
	08/01/11	mg/L	--	--	--	640	--	--	650	--	650
	09/09/11	mg/L	--	--	--	670	--	--	670	--	660
	10/17/11	mg/L	--	--	--	630	--	--	640	--	640
	11/01/11	mg/L	--	--	--	640	--	--	630	--	640
	12/18/14	mg/L	--	860	--	660	690	--	640	--	640
	03/06/15	mg/L	--	820	--	600	640	--	670	--	640
	06/05/15	mg/L	--	790	--	680	700	--	680	--	700
	09/03/15	mg/L	--	750	--	650	680	--	670	--	680
	12/03/15	mg/L	--	860	--	620	640	--	630	--	630
	03/03/16	mg/L	--	800	--	600	640	--	650	--	650

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES
HISTORICAL DATA

Compound	Date	Units	MW-21	MW-29	EW-01	EW-02	INF*	PF	POX	CBT	CEFF
	06/01/16	mg/L	--	830	--	640	690	--	680	--	700
	09/08/16	mg/L	--	910	--	690	710	--	700	--	680
	12/01/16	mg/L	--	980	--	630	670	--	670	--	660
	03/02/17	mg/L	--	750	--	620	650	--	650	--	660
	06/01/17	mg/L	--	830	--	650	680	--	680	--	670
	09/01/17	mg/L	--	858	--	627	680	--	699	--	660
	12/04/17	mg/L	--	700	--	590	610	--	590	--	610

FOOTNOTES
MCL = Maximum Contaminant Level or Drinking Water Action Level, if applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
(--) = Not scheduled for performance monitoring
(<) = Less than; the numerical value is the Limit of Detection for that compound
MW - Monitor Well(s)
EW- Extraction Well(s)
INF* = Influent (same as EW-02, when active)
PF = Post Particulate Filter
POX = Post Hipox Oxidation
CBT = Carbon Breakthrough
CEFF = Carbon Effluent
E = Data qualified as Estimated in accordance with quality control criteria



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HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

5/11	RPT NO. 532.31	410-8281	A

FIGURE 1. SITE LOCATION

EXPLANATION

- MW-09 — GROUNDWATER MONITOR WELL
- MW-25 — GROUNDWATER PIEZOMETER
- P-09 — PERCHED ZONE PIEZOMETER
- EW-01 — GROUNDWATER EXTRACTION WELL
- MW-10 — FORMER GROUNDWATER MONITOR WELL (ABANDONED)
- P-04 — FORMER PERCHED ZONE PIEZOMETER (ABANDONED)
- DPE-05 — FORMER PERCHED ZONE DUAL-PHASE EXTRACTION WELL (ABANDONED)
- EB-01 — FORMER GROUNDWATER ASSESSMENT SOIL BORING (ABANDONED)
- PGETS — PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM FACILITY COMPOUND
- 609 — FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
- CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
- DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT
- SITE BOUNDARY

SEE DETAIL BELOW

DETAIL AREA

0 250 500 FEET

0 50 100 FEET

CITY OF FULLERTON WELL NO. 9

OCWD AIRPORT TEST WELL 3S/11W-36A6

Oct 08, 2014 - 3:14pm ESS - T:\2014\500-599\532 Raytheon\Hydrogeology\H+A BaseMaps\410-9312.dwg

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

10/14	RPT NO. 532.31	410-9312	A

FIGURE 2.
WELL AND PIEZOMETER LOCATIONS

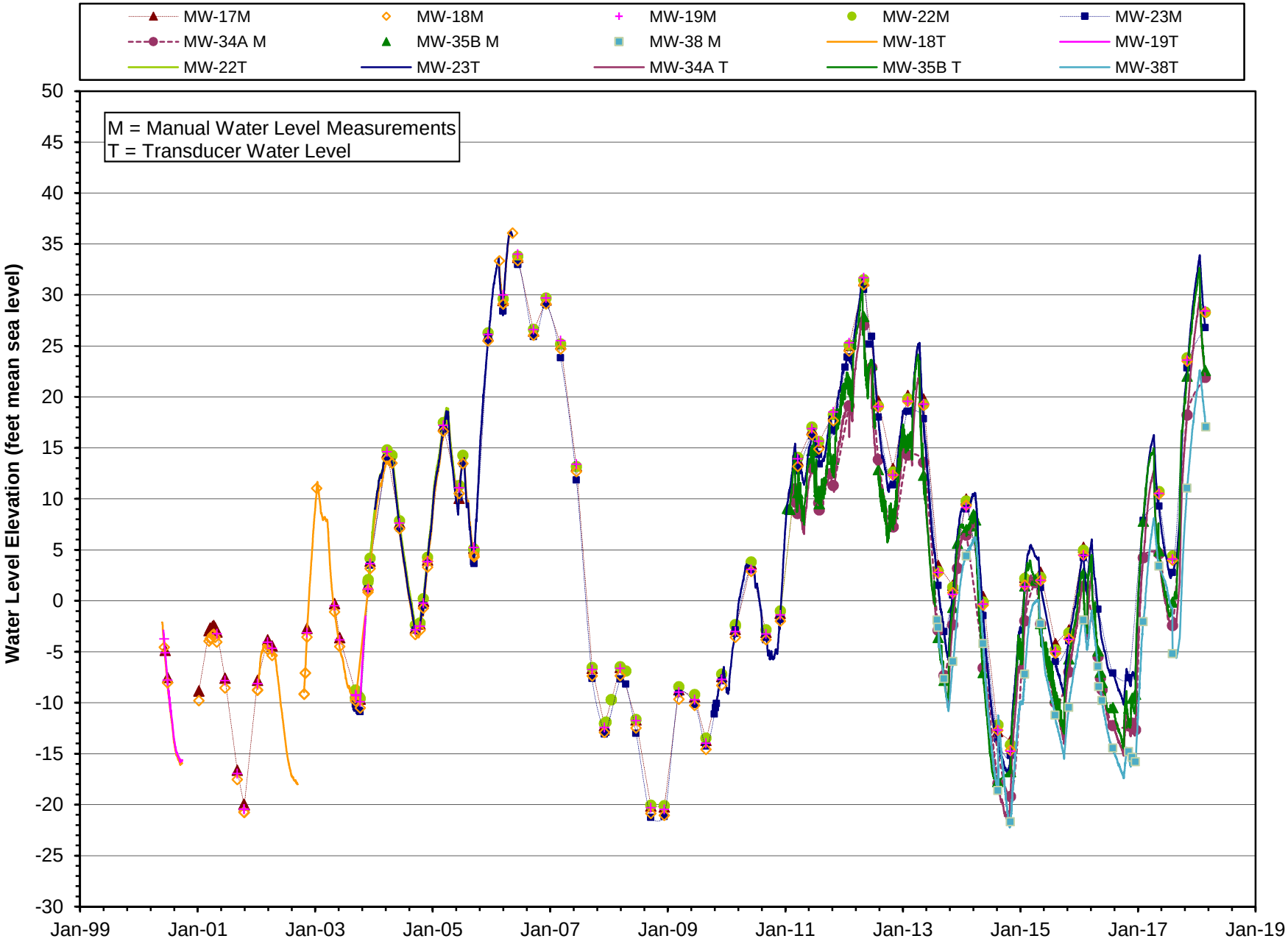


FIGURE 3. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT A MONITOR WELLS

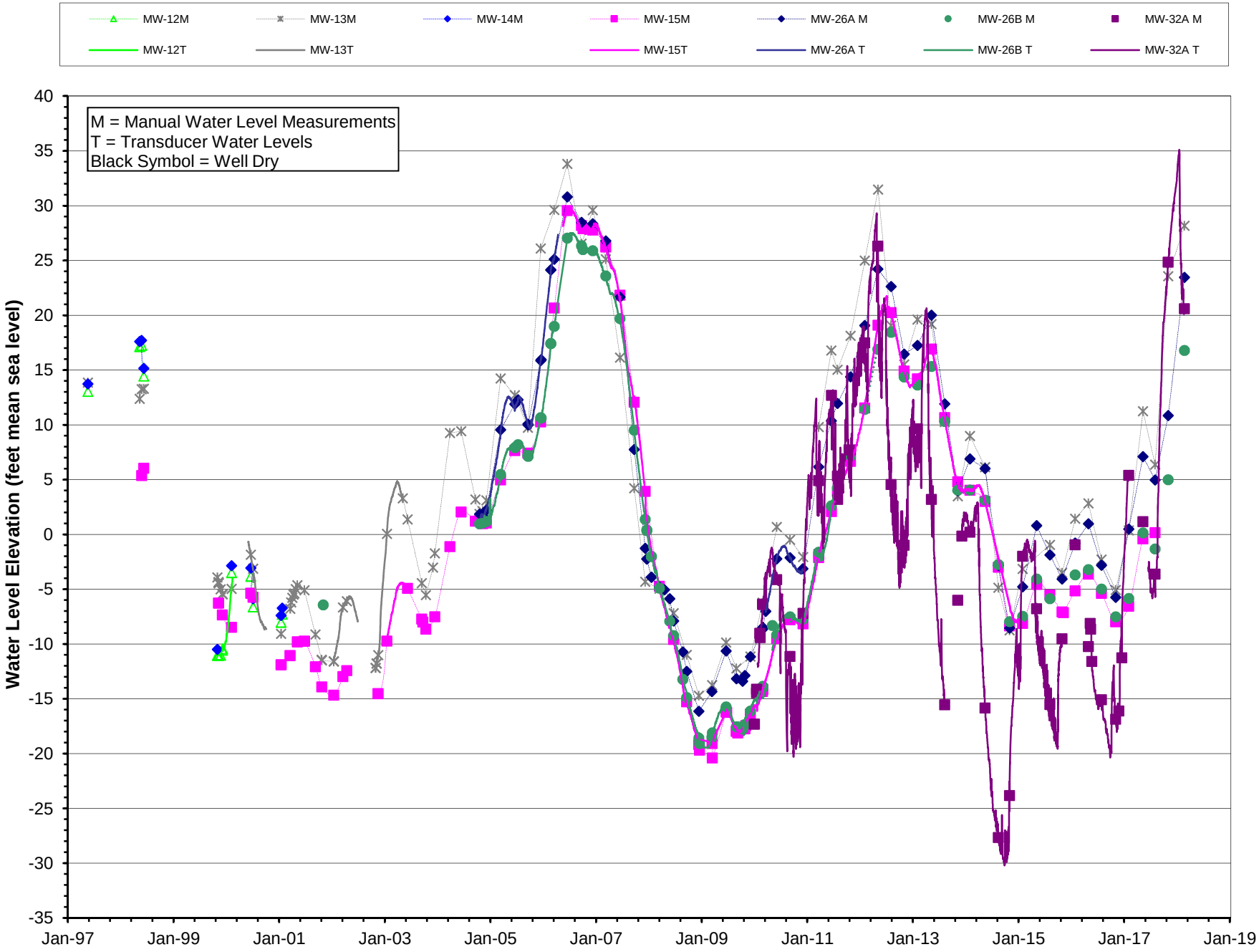


FIGURE 4. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT AB MONITOR WELLS

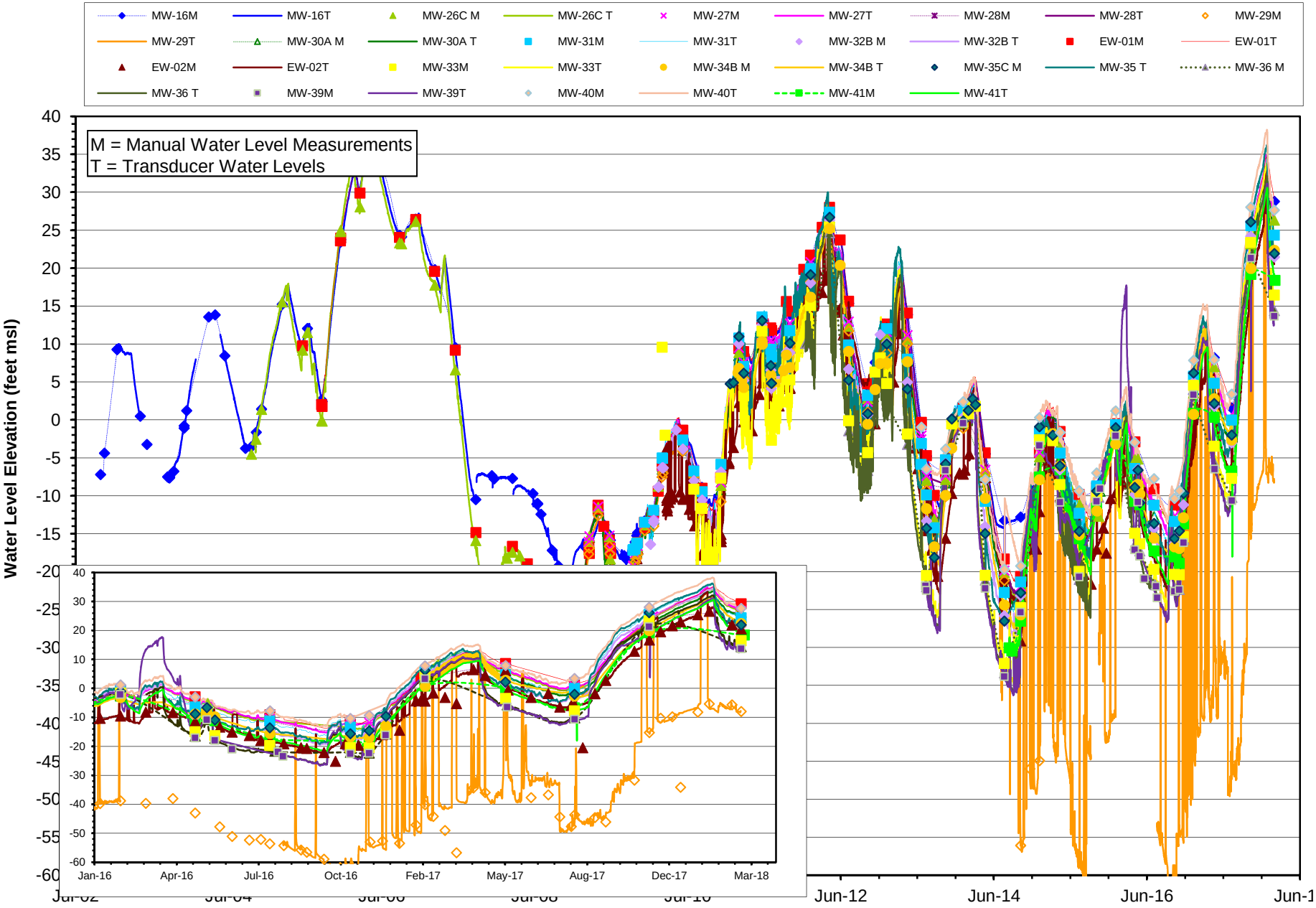


FIGURE 5. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT B MONITOR AND EXTRACTION WELLS

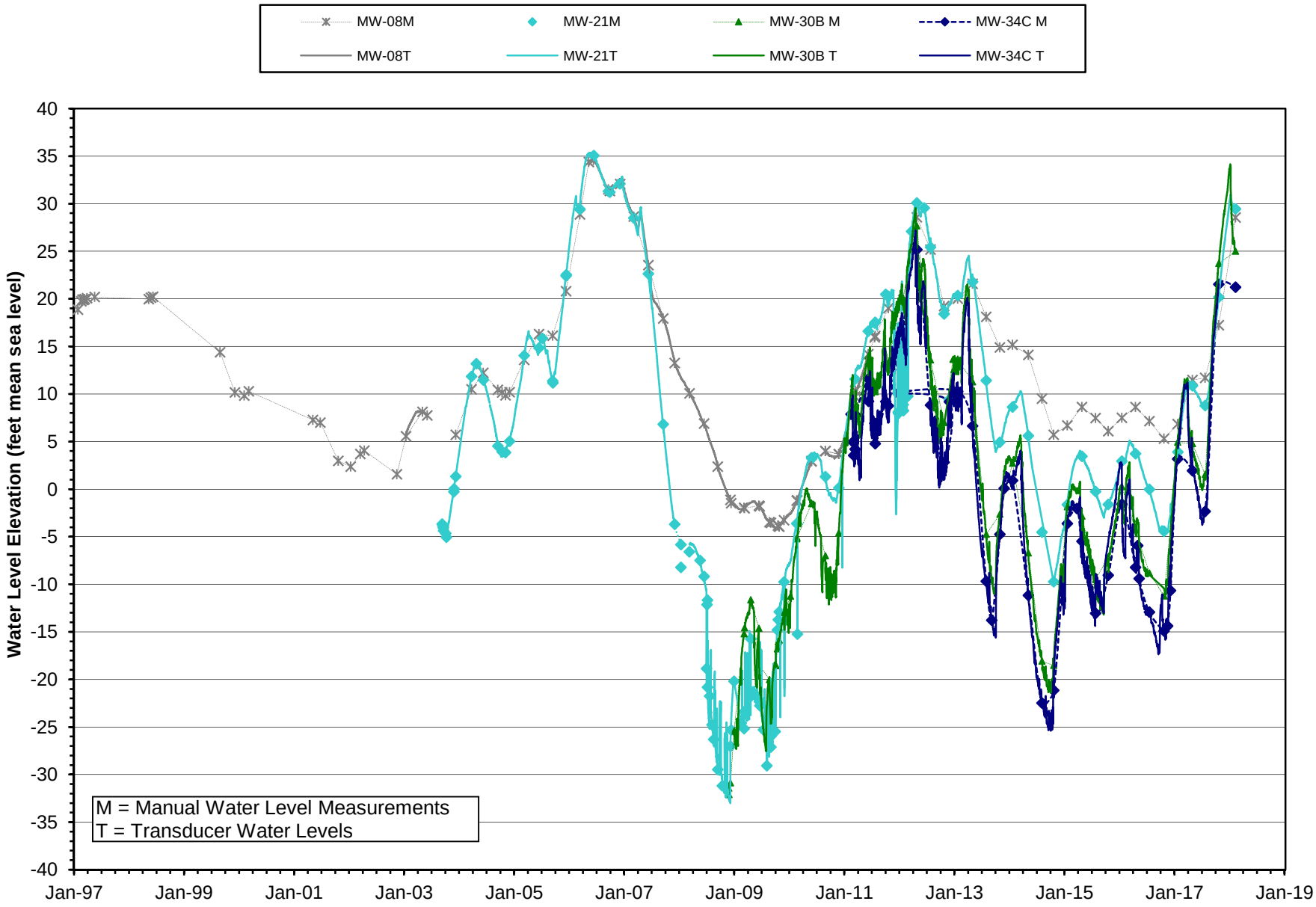


FIGURE 6. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT BC MONITOR AND EXTRACTION WELLS

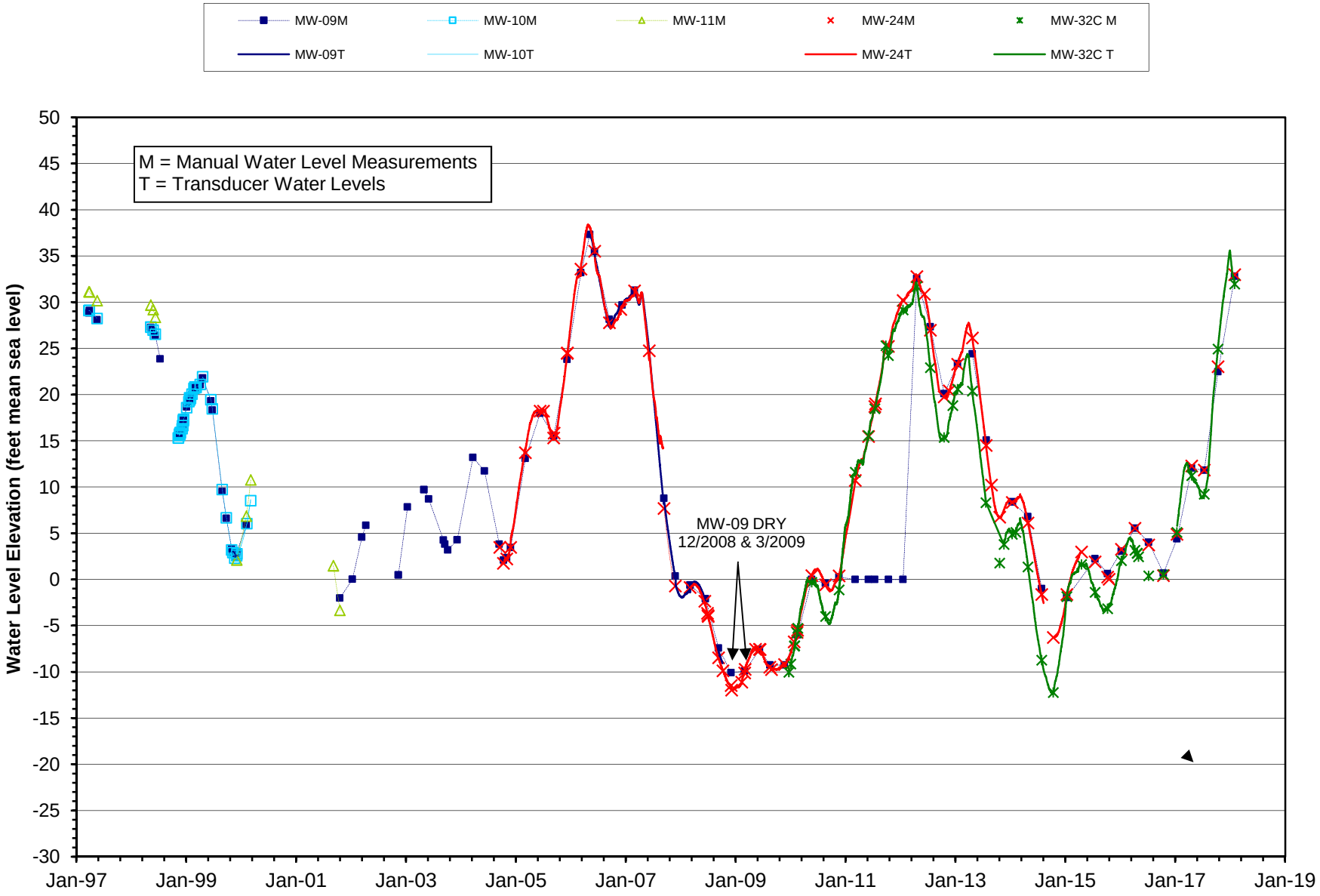


FIGURE 7. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT C MONITOR WELLS

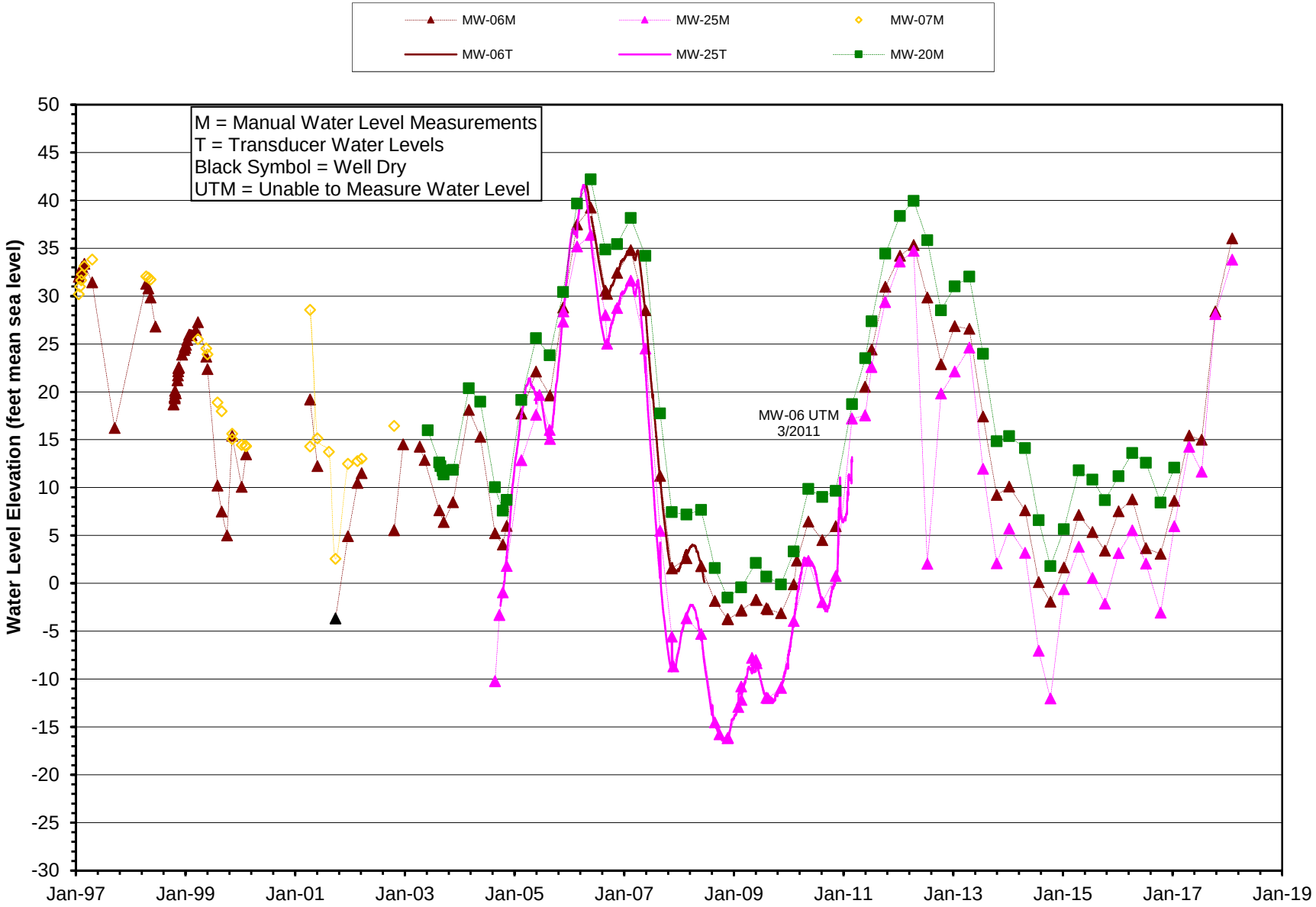


FIGURE 8. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT D MONITOR WELLS

NORTH
A

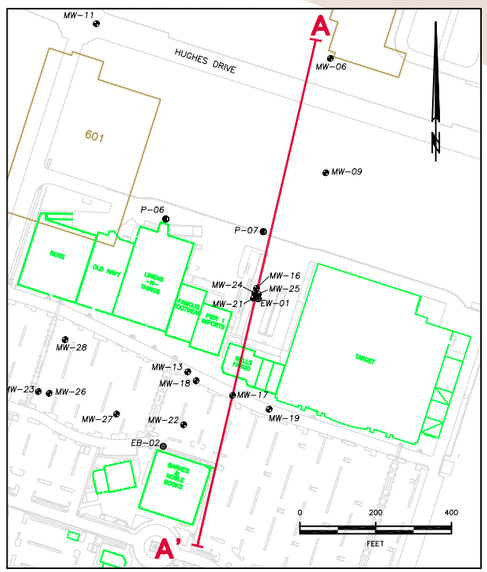
SOUTH
A'

MW-06 (PROJECTED)
MW-09 (PROJECTED)
RETAINING WALL P-7 (PROJECTED)
EB-01
MW-16
EB-03/MW-25
MW-24
MW-21
EW-01
MW-28 (PROJECTED)
MW-17
EB-04/MW-26 (PROJECTED)
MW-22 (PROJECTED)
MW-23 (PROJECTED)
MW-27 (PROJECTED)
EB-02 (PROJECTED)

FORMER LAND SURFACE
CURRENT LAND SURFACE
UNSATURATED ZONE
PERCHED ZONE
P-07 1,900/370E
MW-06 <0.50/NA
MW-09 <0.50/<0.20
MW-16 100/54
EW-01 40/14
MW-21 740/49E
MW-24 <0.50/<0.20
MW-28 0.49J/4.1
MW-25 NS/NS
MW-17 NS/NS
TEMPORARY WELL SCREEN
MW-22 <0.50/<0.20
MW-26A NS/NS
MW-26B NS/NS
MW-26C <0.50/<0.20
MW-23 <0.50/NA
MW-27 <0.50/<0.20
UNIT B (TARGET ZONE)
UNIT C
UNIT D
UNIT A

ELEVATION, FEET MEAN SEA LEVEL
200 175 150 125 100 75 50 25 0 −25 −50 −75 −100 −125 −150 −175 −200 −225 −250 −275 −300 −325 −350 −375 −400 −425 −450 −475 −500 −525 −550 −575 −600 −625 −650 −675

CROSS SECTION LOCATION



EXPLANATION

- RELATIVELY COARSE ZONE, PREDOMINANTLY SANDS WITH LITTLE TO NO SILT OR CLAY
- MIXED ZONE, MIXTURES OF SANDS, CLAYS, AND SILTS
- RELATIVELY FINE ZONE, PREDOMINANTLY SILTS OR CLAYS WITH LITTLE TO NO SAND
- PREDOMINANTLY COARSE ZONE
- MIXED ZONE
- RELATIVELY FINE ZONE
- SCREENED INTERVAL OF MONITOR WELL
- 100 — 1,1−DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY/MARCH 2018
- 54 — 1,4−DIOXANE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY/MARCH 2018
- NA — NOT ANALYZED FOR (SPECIFIC ANALYTE) IN FEBRUARY/MARCH 2018
- NS — NOT SAMPLED IN FEBRUARY/MARCH 2018
- < — LESS THAN; VALUE IS THE LIMIT OF DETECTION
- J — CONCENTRATION LESS THAN REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT
- E — ESTIMATED CONCENTRATION
- ? — QUERIED WHERE INFERRED
- APPROXIMATE REGIONAL GROUNDWATER TABLE DURING ON−SITE HISTORICAL HIGH, JUNE 2006
- APPROXIMATE REGIONAL GROUNDWATER TABLE DURING ON−SITE HISTORICAL LOW, DECEMBER 2008

LGRD
0 (OHM−M) 100 500

RESISTIVITY LOG (ohm−m) (LATERAL OR SHORT−NORMAL) OF WELL BOREHOLE. RIGHT EDGE OF THE LITHOLOGIC LOG COLUMN IS THE ZERO ohm−m LINE.

0 120 240
FEET

Apr 05, 2018 − 3:22pm ESS − T:\2018\500−599\532 Raytheon\Hydrogeology\X Section\310−1459.dwg

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

03/18	RPT NO. 532.31	310-1459	A

FIGURE 9.
SITE CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS−SECTION A−A'

NORTH B

SOUTH B'

MW-11 (DESTROYED) (PROJECTED)

FORMER LAND SURFACE

CURRENT LAND SURFACE

MW-08 (PROJECTED)

MW-29 (PROJECTED)

MW-15 (PROJECTED)

MW-28 (PROJECTED)

EW-02 (PROJECTED)

MW-23 (PROJECTED)

MW-30 A/B

MW-31

UNSATURATED ZONE

230/9.6

<0.50/NA

140/55

0.491/4.1

8.7/2.7

TEMPORARY WELL SCREEN

<0.50/NA

MW-30A 15/<0.20

MW-30B 15/<0.20

41/0.88

UNIT A

UNIT A/B

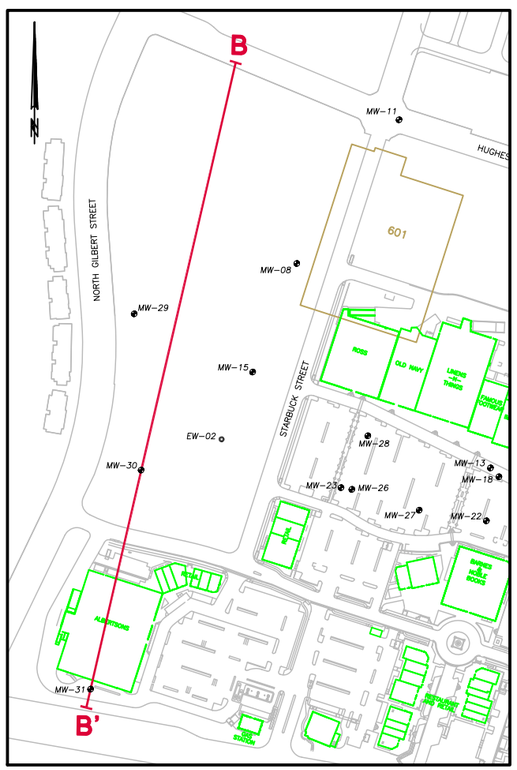
UNIT B (TARGET ZONE)

UNIT B/C

UNIT C

ELEVATION, FEET MEAN SEA LEVEL

CROSS SECTION LOCATION



EXPLANATION

- RELATIVELY COARSE ZONE, PREDOMINANTLY SANDS WITH LITTLE TO NO SILT OR CLAY
- MIXED ZONE, MIXTURES OF SANDS, CLAYS, AND SILTS
- RELATIVELY FINE ZONE, PREDOMINANTLY SILTS OR CLAYS WITH LITTLE TO NO SAND
- PREDOMINANTLY COARSE ZONE
- MIXED ZONE
- RELATIVELY FINE ZONE
- SCREENED INTERVAL OF MONITOR WELL
- 140 — 1,1–DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY/MARCH 2018
- 55 — 1,4–DIOXANE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY/MARCH 2018
- ? — QUERIED WHERE INFERRED
- NA — NOT ANALYZED FOR (SPECIFIC ANALYTE) IN FEBRUARY/MARCH 2018
- J — CONCENTRATION LESS THAN REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT
- < — LESS THAN; VALUE IS THE LIMIT OF DETECTION
- APPROXIMATE REGIONAL GROUNDWATER TABLE DURING ON–SITE HISTORICAL HIGH, JUNE 2006
- APPROXIMATE REGIONAL GROUNDWATER TABLE DURING ON–SITE HISTORICAL LOW, DECEMBER 2008

NOTE:

WATER QUALITY RESULTS AND DIRECTION OF GROUNDWATER FLOW WITHIN TARGET ZONE INDICATE THAT COMPOUNDS DETECTED APPEAR RELATED TO FORMER BUILDING 609

LGRD
0 (OHM–M) 100 500

RESISTIVITY LOG (ohm–m) (LATERAL OR SHORT–NORMAL) OF WELL BOREHOLE. RIGHT EDGE OF THE LITHOLOGIC LOG COLUMN IS THE ZERO ohm–m LINE.

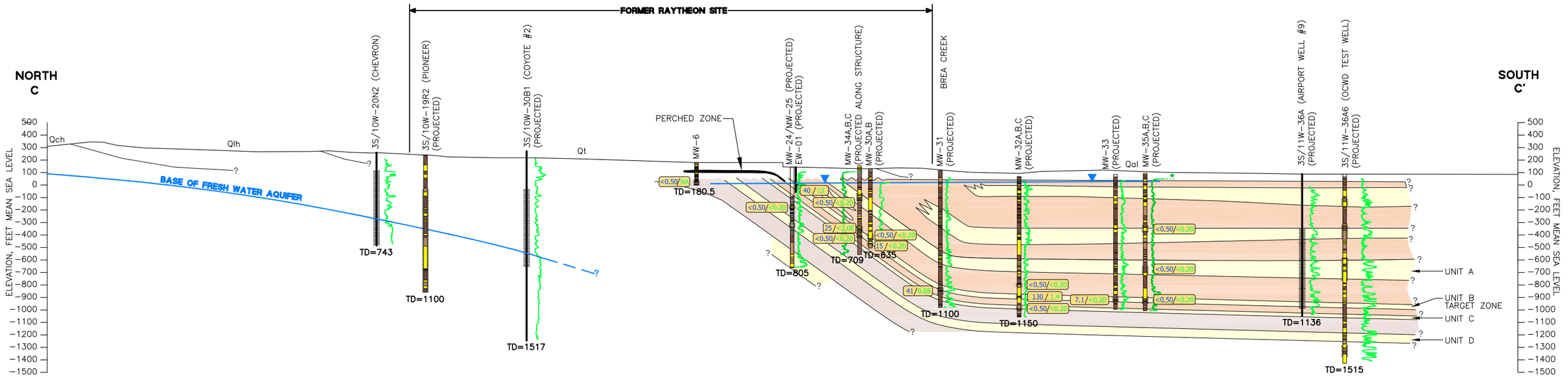
0 120 240
FEET

Apr 05, 2018 – 3:23pm ESS – T:\2018\500–599\532 Raytheon\Hydrogeology\X Section\310–1460.dwg

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

03/18	RPT NO. 532.31	310-1460	A

FIGURE 10.
SITE CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS–SECTION B–B'



EXPLANATION

- RELATIVELY COARSE ZONE, PREDOMINANTLY SANDS WITH LITTLE TO NO SILT OR CLAY
- MIXED ZONE, MIXTURES OF SANDS, CLAYS, AND SILTS
- RELATIVELY FINE ZONE, PREDOMINANTLY SILTS OR CLAYS WITH LITTLE TO NO SAND
- PREDOMINANTLY COARSE ZONE
- MIXED ZONE
- RELATIVELY FINE ZONE
- SCREENED INTERVAL OF MONITOR WELL

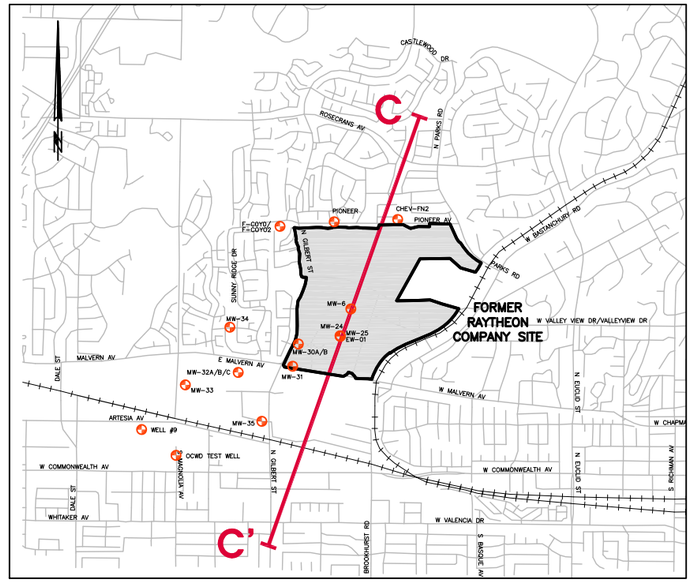
LGRD
0 (OHM-M) 100 500

RESISTIVITY LOG (ohm-m) (LATERAL OR SHORT-NORMAL) OF WELL BOREHOLE. RIGHT EDGE OF THE LITHOLOGIC LOG COLUMN IS THE ZERO ohm-m LINE.

1,600 FEET 800 FEET 0 VERTICAL SCALE
800 400 FEET HORIZONTAL SCALE

Qal	ALLUVIUM, HOLOCENE: UNCONSOLIDATED AND POORLY CONSOLIDATED GRAVEL, SAND AND SILT.
Qt/ Qoa	TERRACE DEPOSITS/OLDER ALLUVIUM, UPPER PLEISTOCENE TO HOLOCENE: POORLY CONSOLIDATED GRAVEL, SAND AND SILT, COMMONLY REDDISH-BROWN; LOCALLY RED-BROWN SILT.
Qlh	LA HABRA FORMATION, UPPER PLEISTOCENE: OLIVE-GRAY TO RED-BROWN SILTSTONE; PALE YELLOW-BROWN TO RED-BROWN THICK-BEDDED FRIABLE SANDSTONE; PALE-YELLOW-GRAY POORLY BEDDED PEBBLY SANDSTONE; AND PALE-YELLOW-BROWN UNSORTED PEBBLE-COBBLE CONGLOMERATE; BASAL PART FILLS IRREGULAR CHANNELS CUT INTO UNDERLYING STRATA.
Qch	COYOTE HILLS FORMATION, UPPER PLEISTOCENE: MODERATE YELLOW-BROWN TO MODERATE BROWN THICK-BEDDED TO MASSIVE FRIABLE PEBBLY SANDSTONE; OLIVE-GRAY TO GRAY-BROWN MASSIVE SILTSTONE; AND YELLOW-BROWN MASSIVE SANDSTONE AND PEBBLE CONGLOMERATE.
40	1,1-DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY/MARCH 2018 UNLESS OTHERWISE INDICATED
15	1,4-DIOXANE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY/MARCH 2018 UNLESS OTHERWISE INDICATED
NA	NOT ANALYZED FOR (SPECIFIC ANALYTE) IN FEBRUARY/MARCH 2018
	NOTE: SURFACE DISTRIBUTION OF STRATIGRAPHIC UNITS AND DESCRIPTIONS OF STRATIGRAPHIC UNITS EXCERPTED FROM YERKES, 1972.
▼	APPROXIMATE UNIT B GROUNDWATER LEVEL, FEBRUARY 2018
?	QUERIED WHERE INFERRED
E	ESTIMATED CONCENTRATION
NOTE:	NOT ALL ON-SITE WELLS ARE DEPICTED ON CROSS SECTION

CROSS SECTION LOCATION



Apr 06, 2018 - 11:25am ESS - T:\2018\500-599\532 Raytheon\Hydrogeology\X Section\310-1461.dwg

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FIGURE 11.
REGIONAL CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS-SECTION C-C'

EXPLANATION

MW-16 GROUNDWATER MONITOR WELL
P-09 PERCHED ZONE PIEZOMETER
MW-25 GROUNDWATER PIEZOMETER
EW-01 GROUNDWATER EXTRACTION WELL
SITE BOUNDARY
* PUMPING WATER LEVEL ELEVATION
PGETS PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT

WELL IDENTIFIER — HYDROGEOLOGIC ZONE — SAMPLE DATE — WATER LEVEL ELEVATION, FEET MEAN SEA LEVEL

MW-33 B	May 2017	-3.47
	Aug 2017	-7.71
	Nov 2017	23.37
	Feb 2018	16.45

HYDROGEOLOGIC ZONES:

PERCHED	AB	C
OTHER	B	D
A	BC	

MW-41 B	May 2017	0.35
	Aug 2017	-6.75
	Nov 2017	19.19
	Mar 2018	18.40

MW-34A A	May 2017	4.63
	Aug 2017	-2.43
	Nov 2017	18.23
	Feb 2018	21.92
MW-34B B	May 2017	2.80
	Aug 2017	-2.64
	Nov 2017	19.95
	Feb 2018	22.36
MW-34C BC	May 2017	1.94
	Aug 2017	-2.33
	Nov 2017	21.54
	Feb 2018	21.24

MW-38 A	May 2017	3.39
	Aug 2017	-5.20
	Nov 2017	11.05
	Mar 2018	17.05

MW-37 D	May 2017	10.13
	Aug 2017	7.42
	Nov 2017	24.46
	Mar 2018	30.78

MW-39 B	May 2017	-6.50
	Aug 2017	-10.65
	Nov 2017	21.32
	Feb 2018	13.66

MW-36 B	May 2017	-5.70
	Aug 2017	-10.23
	Nov 2017	21.55
	Feb 2018	14.40

MW-32A AB	May 2017	1.17
	Aug 2017	-3.62
	Nov 2017	24.84
	Feb 2018	20.59
MW-32B B	May 2017	1.81
	Aug 2017	-3.01
	Nov 2017	24.19
	Feb 2018	21.48
MW-32C C	May 2017	11.23
	Aug 2017	9.22
	Nov 2017	24.94
	Feb 2018	31.96

MW-33 B	May 2017	-3.47
	Aug 2017	-7.71
	Nov 2017	23.37
	Feb 2018	16.45

MW-30A B	May 2017	5.38
	Aug 2017	-1.51
	Nov 2017	22.52
	Feb 2018	24.56
MW-30B BC	May 2017	4.79
	Aug 2017	1.54
	Nov 2017	23.74
	Feb 2018	25.00

MW-26A AB	May 2017	7.10
	Aug 2017	4.97
	Nov 2017	10.84
	Feb 2018	23.47
MW-26B AB	May 2017	0.14
	Aug 2017	-1.33
	Nov 2017	5.00
	Feb 2018	16.80
MW-26C B	May 2017	6.99
	Aug 2017	0.03
	Nov 2017	23.20
	Feb 2018	26.32

MW-31 B	May 2017	4.82
	Aug 2017	-0.01
	Nov 2017	25.60
	Feb 2018	24.35

MW-27 B	May 2017	7.25
	Aug 2017	0.76
	Nov 2017	23.75
	Feb 2018	26.79

MW-13 AB	May 2017	11.24
	Aug 2017	6.37
	Nov 2017	23.56
	Feb 2018	28.18

MW-35A OTHER	May 2017	10.17
	Aug 2017	6.67
	Nov 2017	27.95
	Feb 2018	26.10
MW-35B A	May 2017	4.91
	Aug 2017	-0.14
	Nov 2017	22.04
	Feb 2018	22.59
MW-35C B	May 2017	2.17
	Aug 2017	-2.00
	Nov 2017	26.11
	Feb 2018	21.94

MW-09 C	May 2017	12.04
	Aug 2017	11.81
	Nov 2017	22.49
	Feb 2018	32.81

MW-08 BC	May 2017	11.47
	Aug 2017	11.71
	Nov 2017	17.24
	Feb 2018	28.57

MW-15 AB	May 2017	-0.40
	Aug 2017	0.15
	Nov 2017	4.20
	Feb 2018	17.35

EW-02 B	May 2017	6.05
	Aug 2017	-5.76*
	Nov 2017	16.71*
	Feb 2018	20.49*

MW-28 B	May 2017	6.92
	Aug 2017	-0.22
	Nov 2017	22.17
	Feb 2018	26.57

MW-23 A	May 2017	9.28
	Aug 2017	2.78
	Nov 2017	22.84
	Feb 2018	26.79

MW-16 B	May 2017	8.23
	Aug 2017	1.59
	Nov 2017	22.58
	Feb 2018	28.79

MW-24 C	May 2017	12.28
	Aug 2017	11.83
	Nov 2017	23.03
	Feb 2018	32.99

MW-21 BC	May 2017	10.88
	Aug 2017	8.78
	Nov 2017	20.18
	Feb 2018	29.46

EW-01 B	May 2017	8.58
	Aug 2017	1.97
	Nov 2017	23.26
	Feb 2018	29.21

MW-20 D	May 2017	19.92
	Aug 2017	19.78
	Nov 2017	29.84
	Feb 2018	40.04

MW-06 D	May 2017	15.42
	Aug 2017	14.98
	Nov 2017	28.38
	Feb 2018	36.02

P-09 PERCHED	May 2017	63.10
	Aug 2017	63.03
	Nov 2017	63.03
	Feb 2018	63.09

MW-29 B	May 2017	5.47
	Aug 2017	-43.70*
	Nov 2017	-15.24*
	Feb 2018	-7.97*

MW-19 A	May 2017	10.54
	Aug 2017	4.09
	Nov 2017	23.62
	Feb 2018	28.43

MW-22 A	May 2017	10.73
	Aug 2017	4.39
	Nov 2017	23.84
	Feb 2018	28.32

MW-40 B	May 2017	7.92
	Aug 2017	3.40
	Nov 2017	28.04
	Feb 2018	27.64

MW-18 A	May 2017	10.47
	Aug 2017	3.99
	Nov 2017	23.53
	Feb 2018	28.29

MW-17 A	May 2017	11.39
	Aug 2017	5.02
	Nov 2017	24.36
	Feb 2018	29.09

SEE DETAIL BELOW

DETAIL AREA

P-07 PERCHED	May 2017	28.96
	Aug 2017	26.99
	Nov 2017	30.81
	Feb 2018	31.55

MW-25 D	May 2017	14.24
	Aug 2017	11.64
	Nov 2017	28.09
	Feb 2018	33.79

CITY OF FULLERTON WELL NO. 9

OCWD AIRPORT TEST WELL 3S/11W-36A6

0 250 500 FEET

0 50 100 FEET

Apr 25, 2018 - 9:29am ESS - T:\2018\500-599\532 Raytheon\Hydrogeology\Water Lvl\220-2430.dwg

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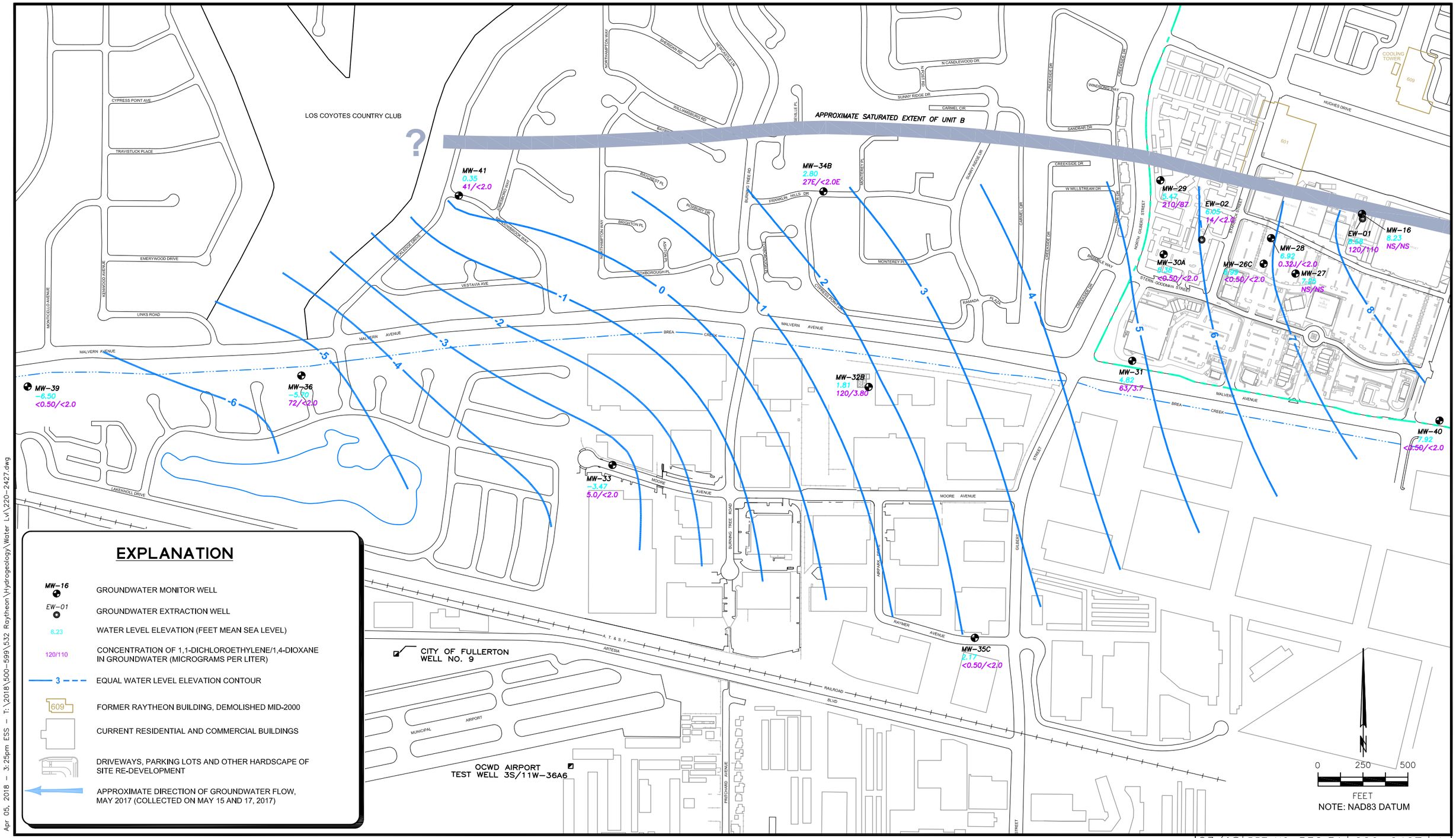
04/18 | RPT NO. 532.31 | 220-2430 | A

FIGURE 12.
WATER LEVEL ELEVATIONS
MAY 2017 THROUGH FEBRUARY 2018



EXPLANATION

- MW-16 — GROUNDWATER MONITOR WELL
- EW-01 — GROUNDWATER EXTRACTION WELL
- 8.23 — WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
- 120/110 — CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE IN GROUNDWATER (MICROGRAMS PER LITER)
- 3 — EQUAL WATER LEVEL ELEVATION CONTOUR
- 609 — FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
- CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
- DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW, MAY 2017 (COLLECTED ON MAY 15 AND 17, 2017)

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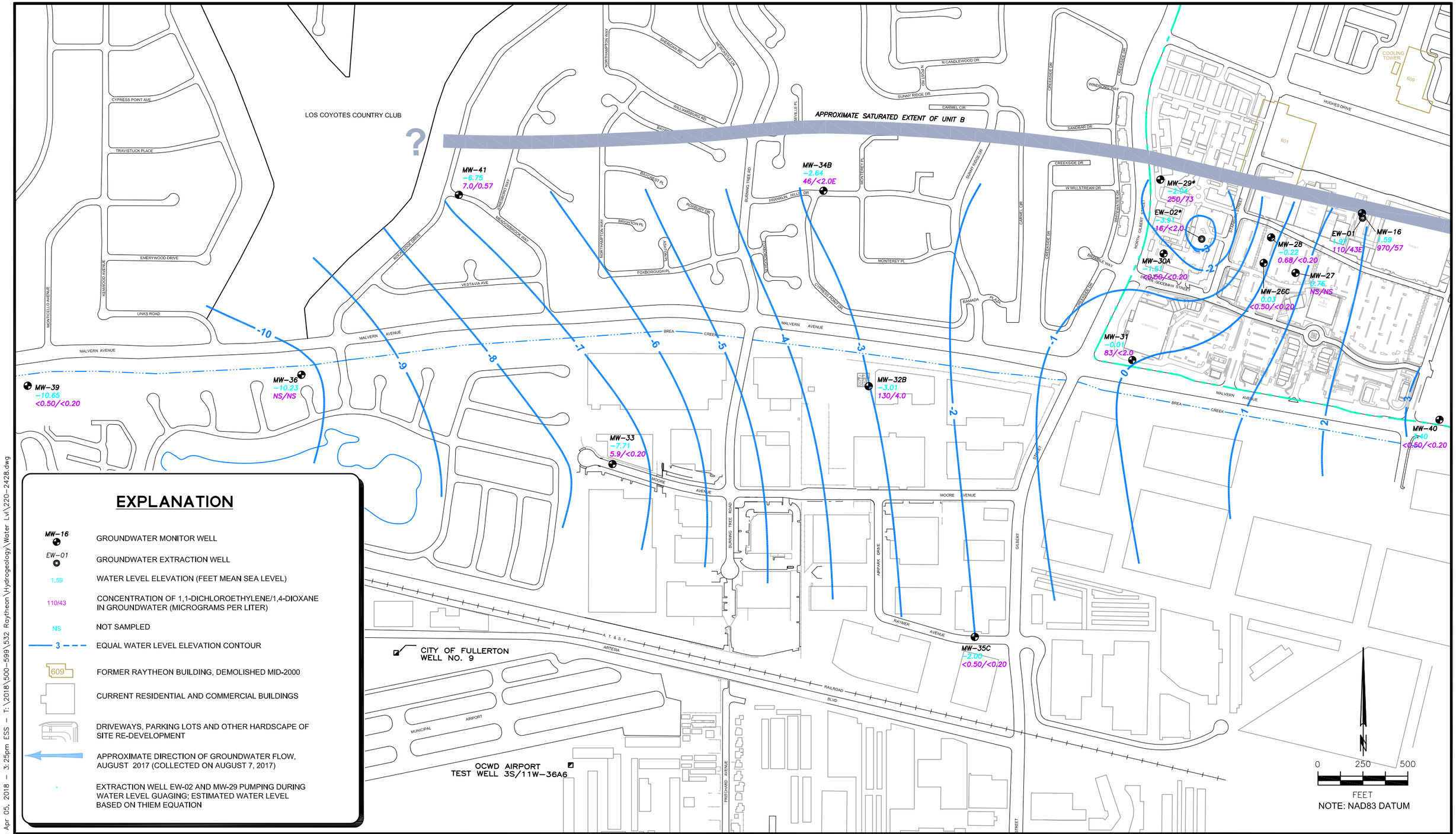
FIGURE 13A.
WATER LEVEL AND WATER QUALITY UNIT B
MAY 2017



EXPLANATION

- MW-16 — GROUNDWATER MONITOR WELL
- EW-01 — GROUNDWATER EXTRACTION WELL
- 1.59 — WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
- 110/43 — CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE IN GROUNDWATER (MICROGRAMS PER LITER)
- NS — NOT SAMPLED
- 3 — EQUAL WATER LEVEL ELEVATION CONTOUR
- 609 — FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
- CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
- DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW, AUGUST 2017 (COLLECTED ON AUGUST 7, 2017)
- * EXTRACTION WELL EW-02 AND MW-29 PUMPING DURING WATER LEVEL GUAGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION

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FIGURE 13B.
WATER LEVEL AND WATER QUALITY UNIT B
AUGUST 2017

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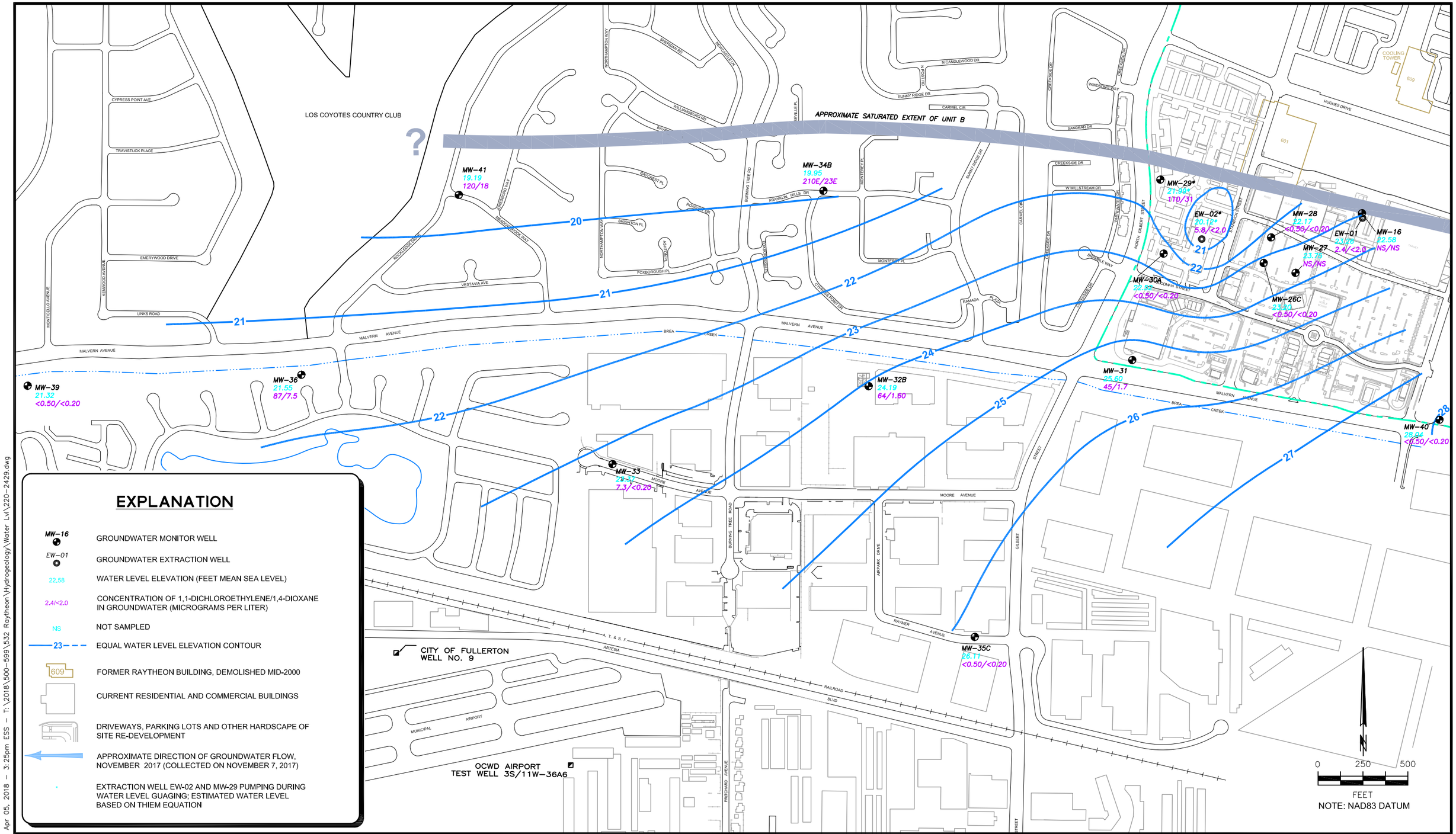

EXPLANATION

MW-16	GROUNDWATER MONITOR WELL
EW-01	GROUNDWATER EXTRACTION WELL
22.58	WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
2.4/<2.0	CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE IN GROUNDWATER (MICROGRAMS PER LITER)
NS	NOT SAMPLED
23	EQUAL WATER LEVEL ELEVATION CONTOUR
609	FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
	CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
	DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW, NOVEMBER 2017 (COLLECTED ON NOVEMBER 7, 2017)
*	EXTRACTION WELL EW-02 AND MW-29 PUMPING DURING WATER LEVEL GUAGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION

Apr 05, 2018 - 3:25pm ESS - T:\2018\500-599\532 Raytheon\Hydrogeology\Water Lvl\220-2429.dwg

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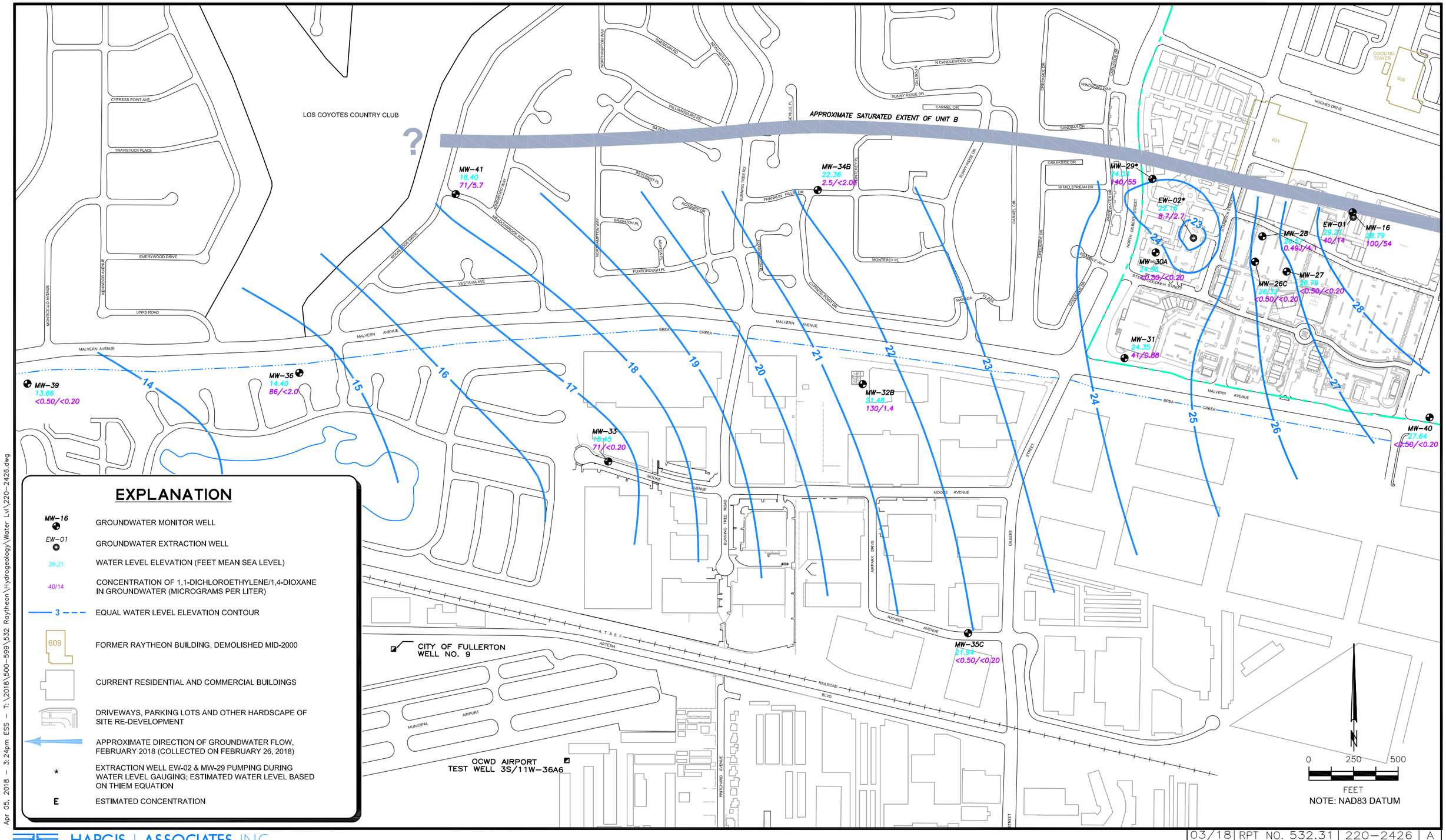
FIGURE 13C.
WATER LEVEL AND WATER QUALITY UNIT B
NOVEMBER 2017



EXPLANATION

MW-16	GROUNDWATER MONITOR WELL
EW-01	GROUNDWATER EXTRACTION WELL
29,21	WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
40/14	CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE IN GROUNDWATER (MICROGRAMS PER LITER)
3	EQUAL WATER LEVEL ELEVATION CONTOUR
609	FORMER RAYTHEON BUILDING, DEMOLISHED MID-2000
	CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS
	DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE-DEVELOPMENT
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW, FEBRUARY 2018 (COLLECTED ON FEBRUARY 26, 2018)
*	EXTRACTION WELL EW-02 & MW-29 PUMPING DURING WATER LEVEL GAUGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION
E	ESTIMATED CONCENTRATION

Apr 05, 2018 - 3:24pm ESS - T:\2018\500-599\532 Raytheon\Hydrogeology\Water Lvl\220-2426.dwg

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FIGURE 13D.
WATER LEVEL AND WATER QUALITY UNIT B
FEBRUARY 2018

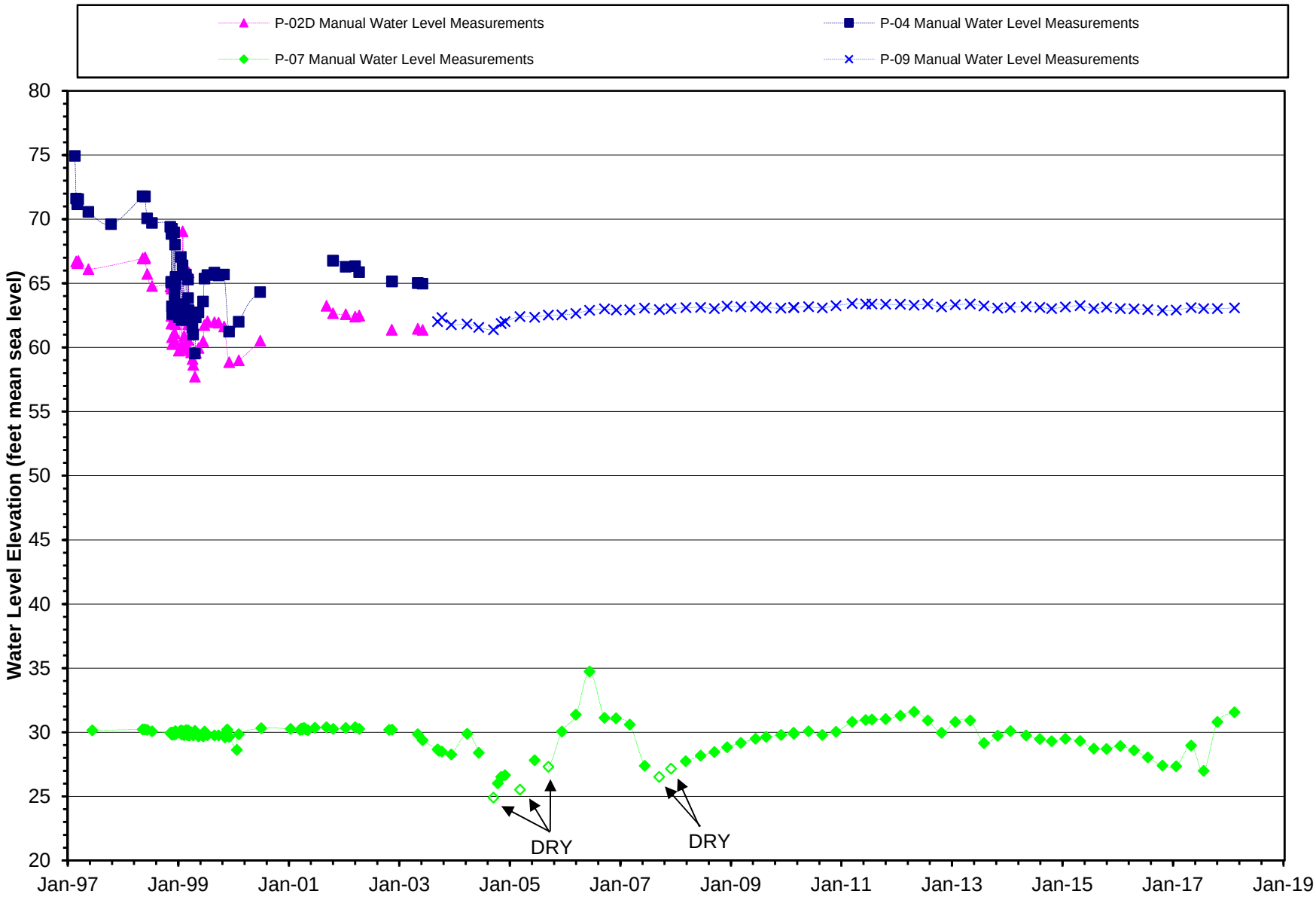


FIGURE 14. PERCHED ZONE WATER LEVELS, CENTRAL PORTION OF SITE

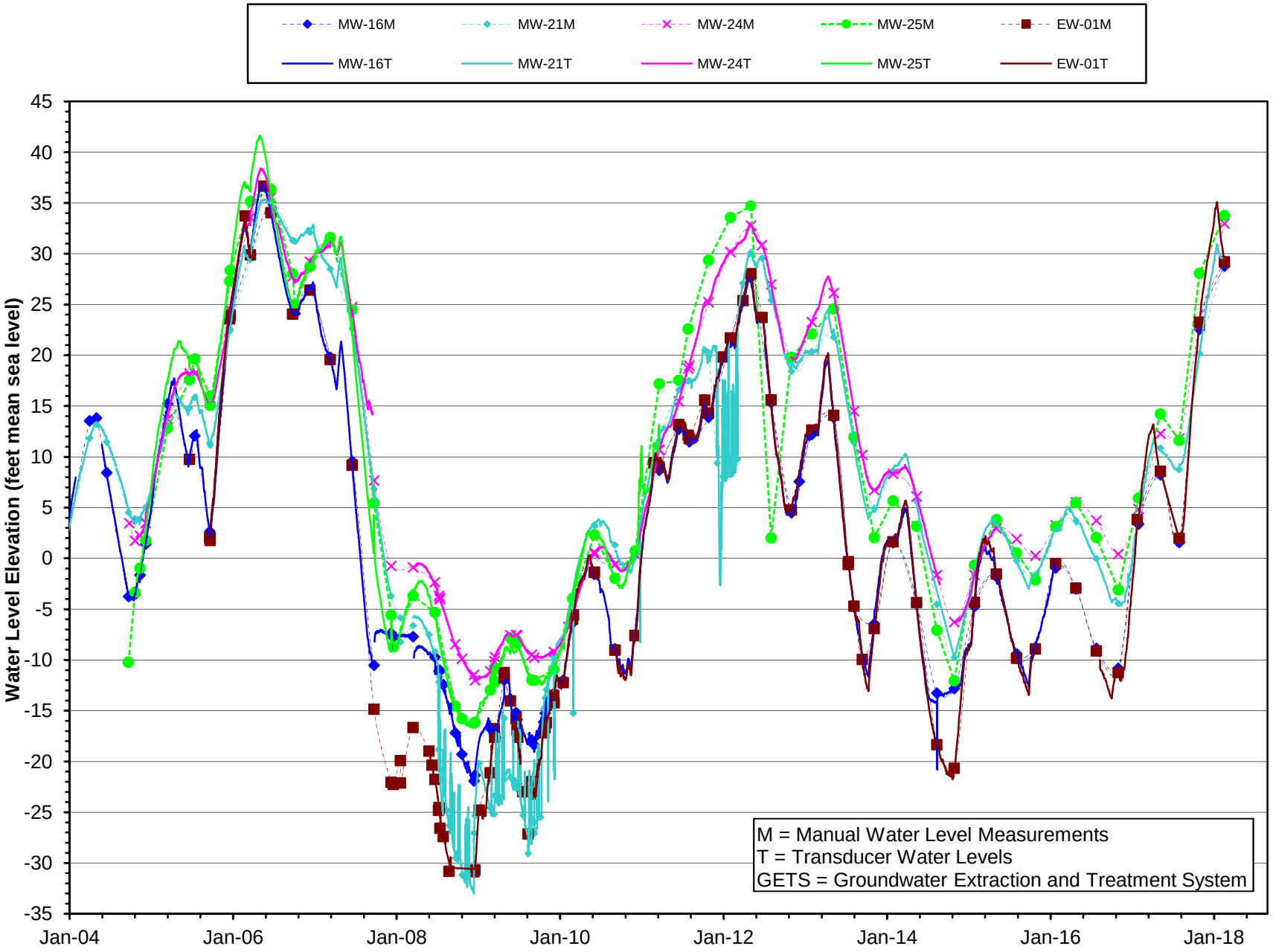


FIGURE 15. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR AND EXTRACTION WELL CLUSTER EW-01/MW-16/21/24/25

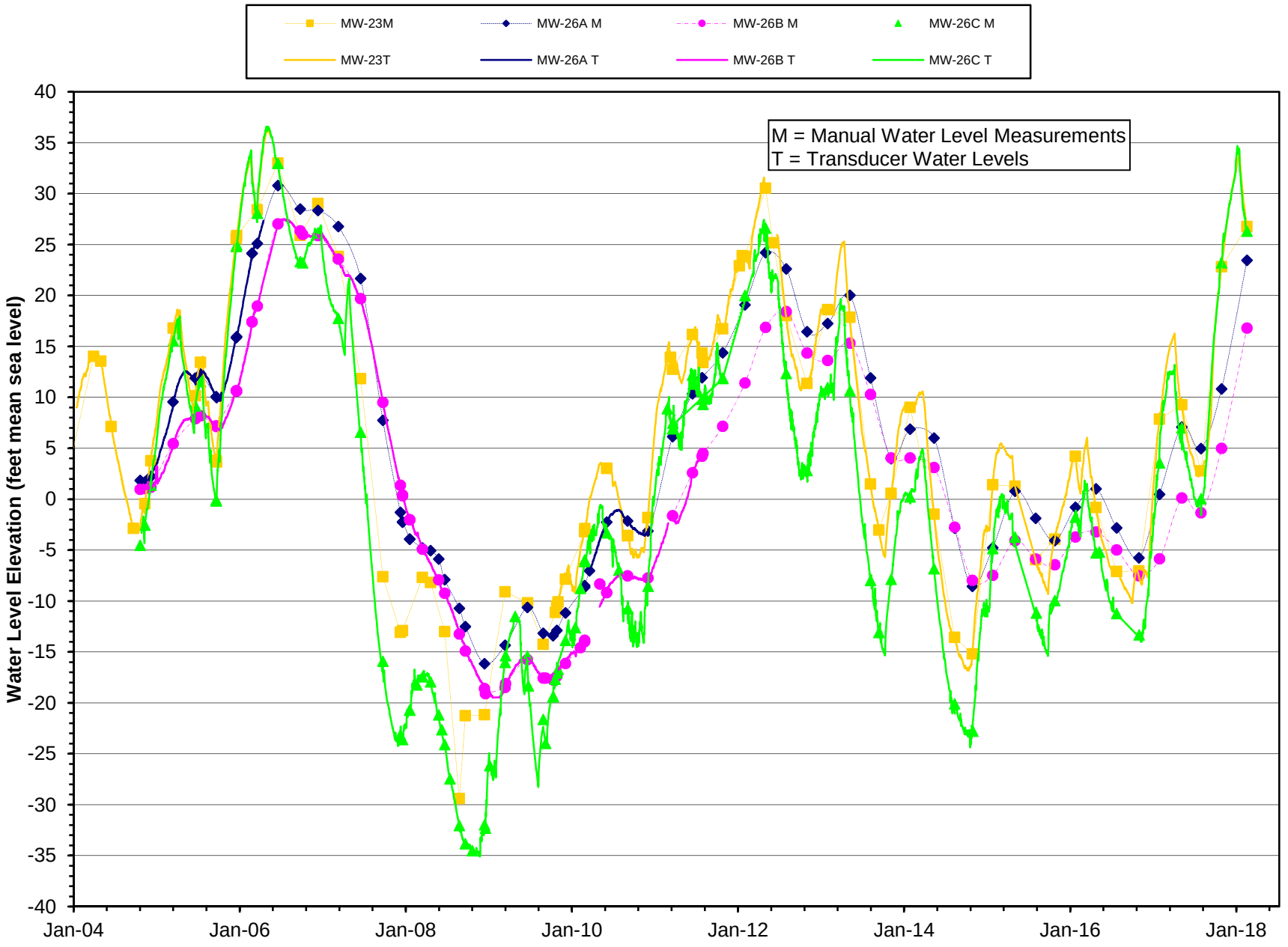


FIGURE 16. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-23/26A/26B/26C

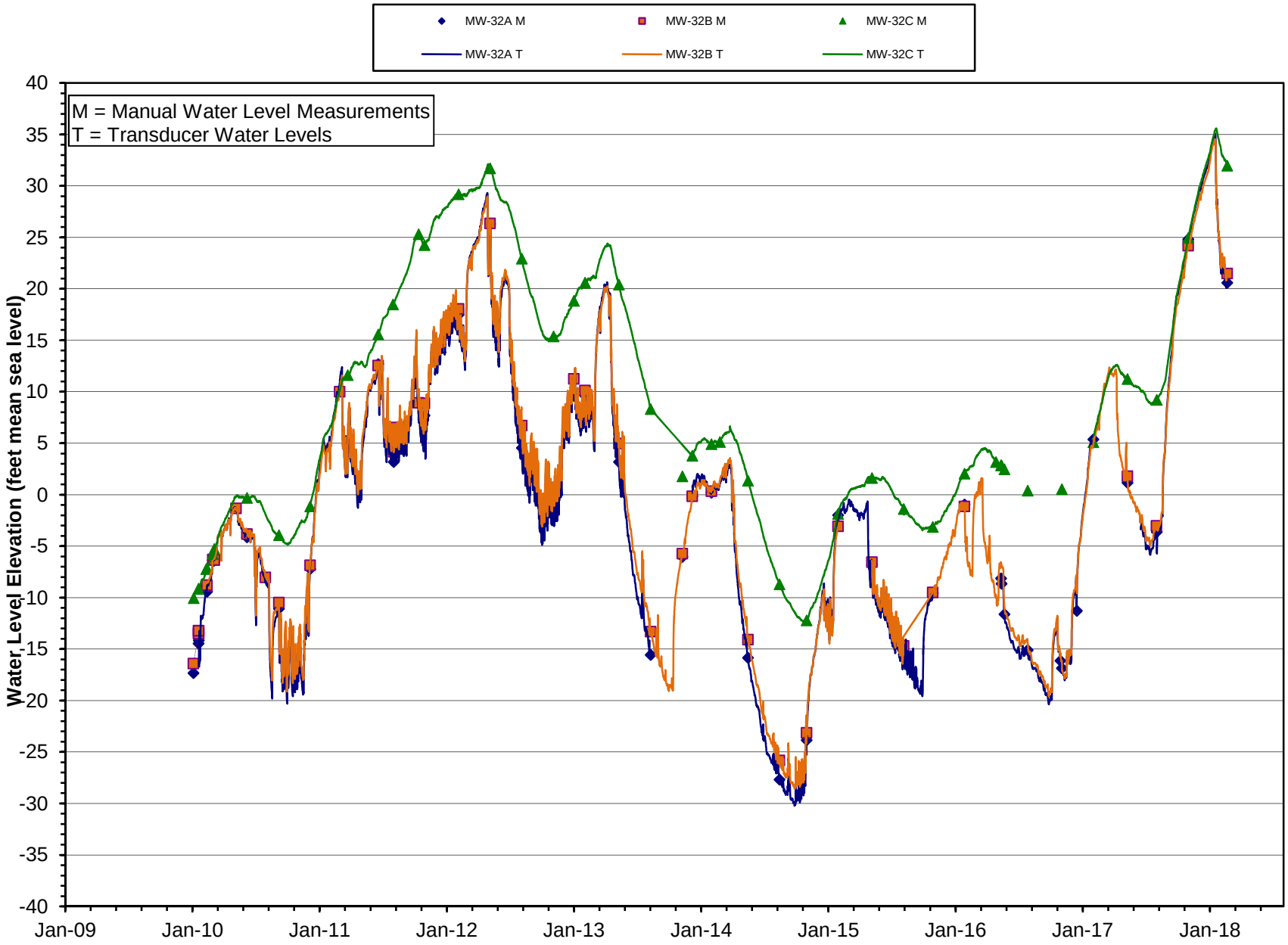


FIGURE 17. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-32A/32B/32C

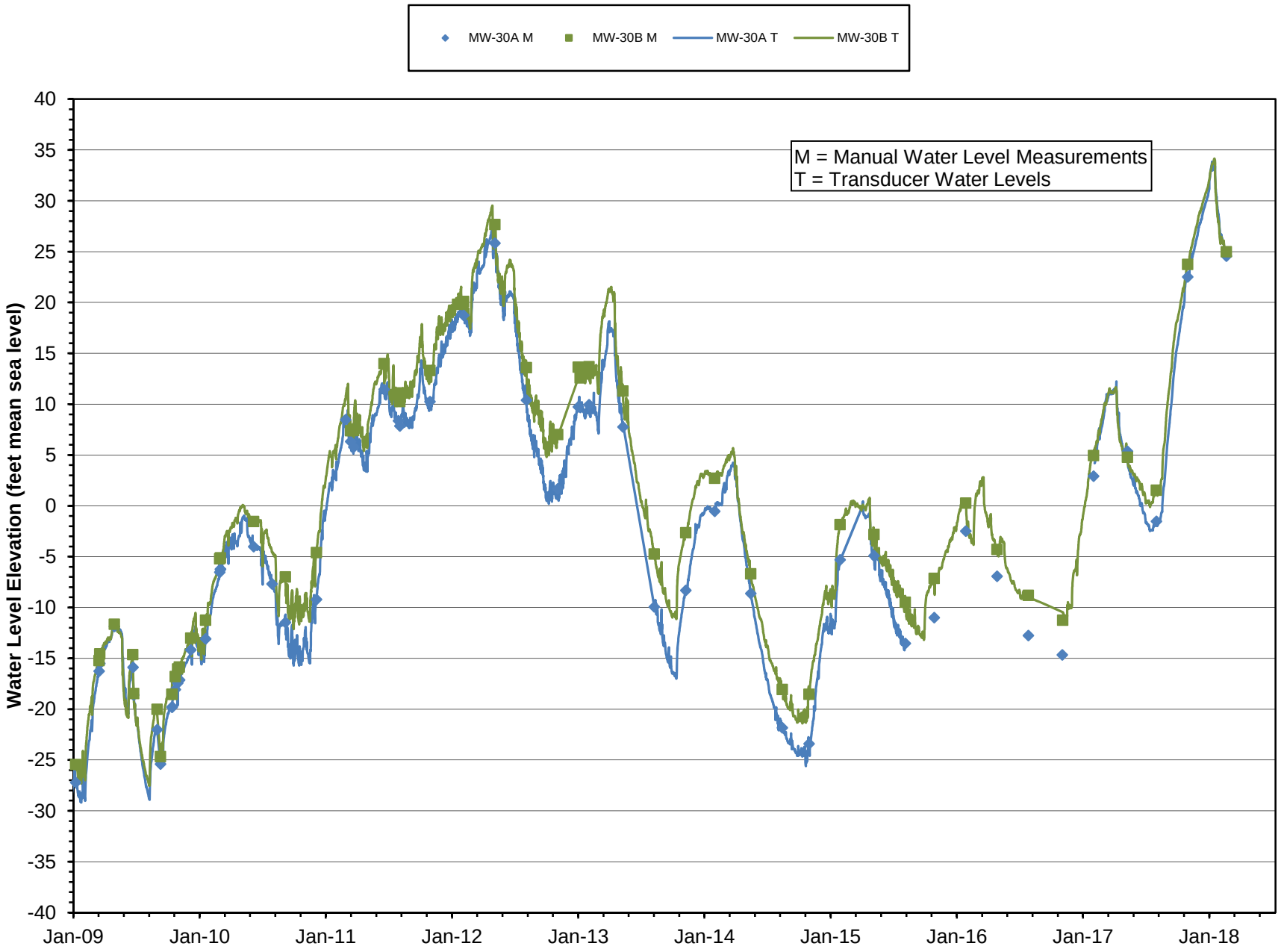


FIGURE 18. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-30A/30B

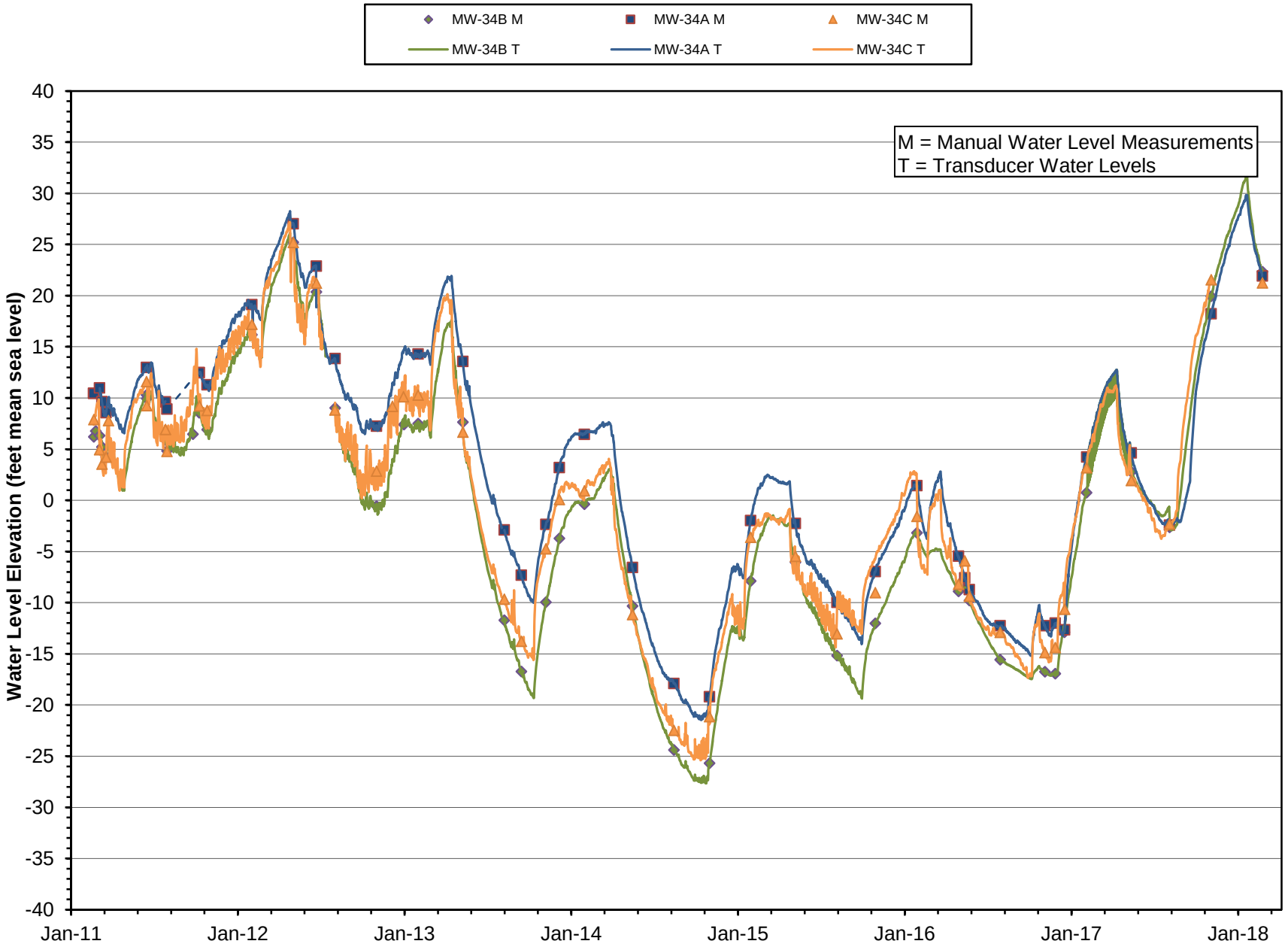


FIGURE 19. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-34A/34B/34C

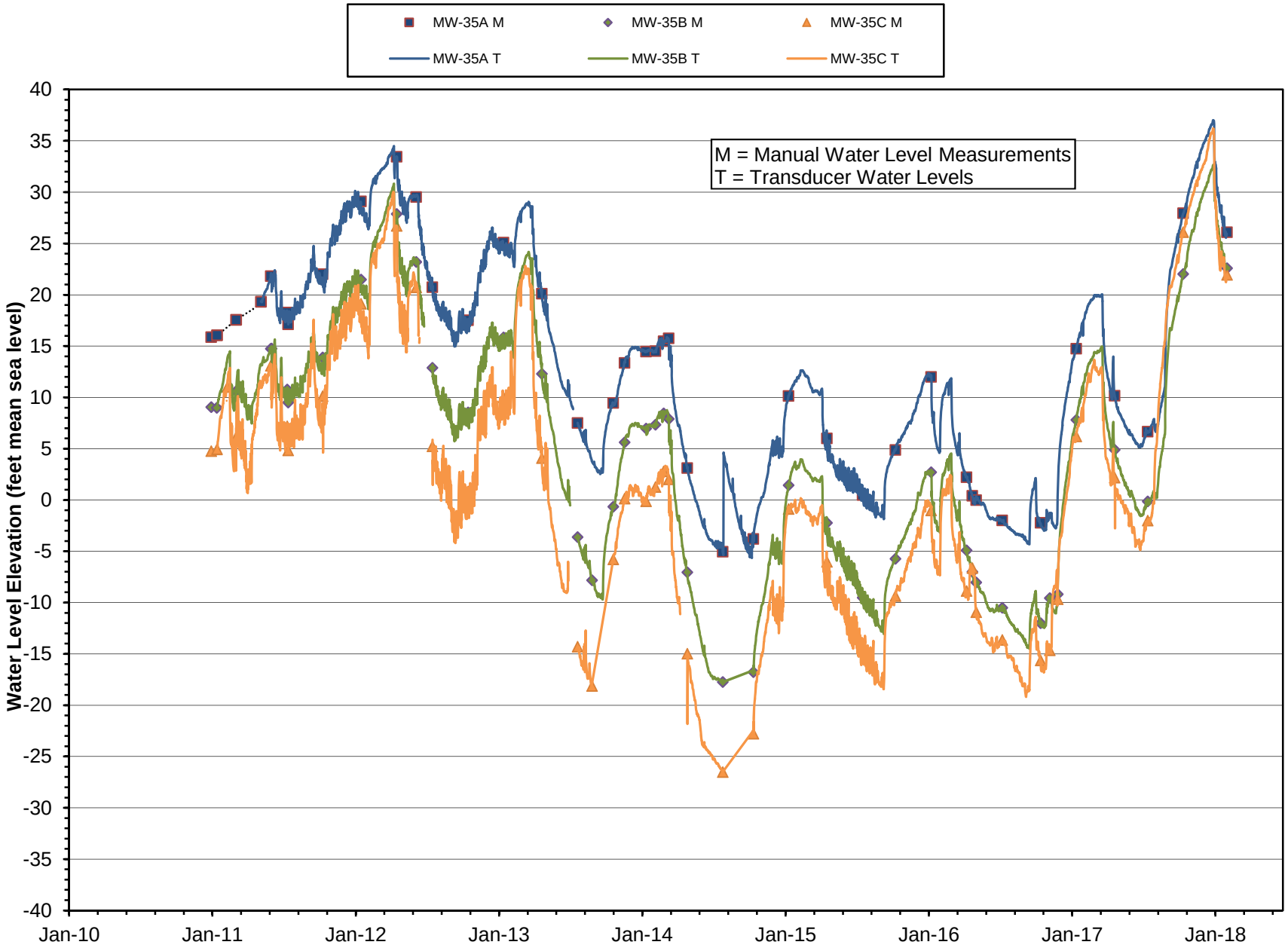


FIGURE 20. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-35A/35B/35C

EXPLANATION

MW–09 — GROUNDWATER MONITOR WELL

MW–25 — GROUNDWATER PIEZOMETER

P–09 — PERCHED ZONE PIEZOMETER

EW–01 — GROUNDWATER EXTRACTION WELL

PGETS — PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM FACILITY COMPOUND

FORMER RAYTHEON BUILDING, DEMOLISHED MID–2000

CURRENT RESIDENTIAL AND COMMERCIAL BUILDINGS

DRIVEWAYS, PARKING LOTS AND OTHER HARDSCAPE OF SITE RE–DEVELOPMENT

SITE BOUNDARY

1,1–DCE — 1,1–DICHLOROETHENE

DIOX — 1,4–DIOXANE

TCE — TRICHLOROETHENE

< — LESS THAN; VALUE IS THE LIMIT OF DETECTION FOR RESPECTIVE COMPOUND

U — DATA QUALIFIED AS UNUSABLE

E — DATA QUALIFIED AS ESTIMATED

J — ESTIMATED VALUE, ANALYTE DETECTED AT LESS THAN THE REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT

HYDROGEOLOGIC ZONES:

PERCHED	AB	C
OTHER	B	D
A	BC	

NOTES:

1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER.
2. ONLY ORIGINAL SAMPLE RESULTS POSTED.

MW-41 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	41	< 0.50	< 2.0
Aug 2017	7.0	< 0.50	0.57
Nov 2017	120	< 0.50	18
Mar 2018	71	< 0.50	5.7

MW-34A (A)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	<0.50	1.3 U
Mar 2018	< 0.50	< 0.50	< 0.20

MW-34B (B)

Date	1,1-DCE	TCE	DIOX
May 2017	27 E	< 0.50	< 2.0 E
Aug 2017	46	< 0.50	< 2.0 E
Nov 2017	210 E	0.82	23 E
Mar 2018	25	< 0.50	< 2.0 E

MW-34C(BC)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

MW-37 (D)

Date	1,1-DCE	TCE	DIOX
May 2017	< 0.50	< 0.50	< 2.0
Aug 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

MW-38 (A)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

MW-32A (AB)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	< 0.50	< 0.20
Feb 2018	< 0.50	< 0.50	< 0.20

MW-32B (B)

Date	1,1-DCE	TCE	DIOX
May 2017	120	36	3.8
Aug 2017	130	41	4.0
Nov 2017	64	24	1.6
Feb 2018	130	41	1.4

MW-32C (C)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

MW-39 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	< 0.50	< 0.50	< 2.0
Aug 2017	< 0.50	< 0.50	< 0.20
Nov 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

MW-36 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	72	< 0.50	< 2.0
Nov 2017	87	< 0.50	7.5
Mar 2018	86	< 0.50	< 2.0

MW-33 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	5.0	< 0.50	< 2.0
Aug 2017	5.9	0.63	< 0.20
Nov 2017	7.3	0.72	< 0.20
Mar 2018	7.1	< 0.50	< 0.20

MW-30A (B)

Date	1,1-DCE	TCE	DIOX
May 2017	< 0.50	< 0.50	< 2.0
Aug 2017	< 0.50	< 0.50	< 0.20
Nov 2017	< 0.50	< 0.50	< 0.20
Feb 2018	< 0.50	< 0.50	< 0.20

MW-30B (BC)

Date	1,1-DCE	TCE	DIOX
May 2017	19	70	< 2.0
Aug 2017	17	88	0.17 J
Nov 2017	18	86	< 0.20
Feb 2018	15	79	< 0.20

MW-26C (B)

Date	1,1-DCE	TCE	DIOX
May 2017	< 0.50	< 0.50	< 2.0
Aug 2017	< 0.50	< 0.50	< 0.20
Nov 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

MW-31 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	63	4.2	3.7
Aug 2017	83	6.6	< 2.0
Nov 2017	45	3.3	1.7
Mar 2018	41	0.50	0.88

MW-27 (B)

Date	1,1-DCE	TCE	DIOX
Mar 2018	< 0.50	< 0.50	< 0.20

MW-13 (AB)

Date	1,1-DCE	TCE	DIOX
Feb 2018	< 0.50	< 0.50	< 0.20

MW-35A (OTHER)

Date	1,1-DCE	TCE	DIOX
Feb 2018	< 0.50	< 0.50	< 0.20

MW-35B (A)

Date	1,1-DCE	TCE	DIOX
Feb 2018	< 0.50	< 0.50	< 0.20

MW-35C (B)

Date	1,1-DCE	TCE	DIOX
May 2017	< 0.50	< 0.50	< 2.0
Aug 2017	< 0.50	< 0.50	< 0.20
Nov 2017	< 0.50	< 0.50	< 0.20
Feb 2018	< 0.50	< 0.50	< 0.20

MW-09 (C)

Date	1,1-DCE	TCE	DIOX
Aug 2017	0.27 J	< 0.50	< 0.20
Feb 2018	< 0.50	< 0.50	< 0.20

MW-08 (BC)

Date	1,1-DCE	TCE	DIOX
May 2017	29	150	0.960 J
Aug 2017	36	150	0.28
Nov 2017	96	140	0.16 J
Feb 2018	230	140	9.6

MW-29 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	240	1.3	2.7 U
Aug 2017	250	2.0	73
Nov 2017	110	1.0	31
Feb 2018	170	1.4	44

MW-15 (AB)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	2.7	NA
Feb 2018	< 0.50	4.1	NA

EW-02 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	15	< 0.50	95 U
Aug 2017	16	< 0.50	< 2.0
Nov 2017	5.8	< 0.50	< 2.0
Feb 2018	10	< 0.50	< 2.0

MW-28 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	0.32 J	< 0.50	< 2.0
Aug 2017	0.68	< 0.50	< 0.20
Nov 2017	< 0.50	< 0.50	< 0.20
Feb 2018	0.49 J	< 0.50	4.1

MW-23 (A)

Date	1,1-DCE	TCE	DIOX
Mar 2018	< 0.50	< 0.50	NA

MW-16 (B)

Date	1,1-DCE	TCE	DIOX
Aug 2017	970	6.0	57
Mar 2018	100	0.50	54

MW-24 (C)

Date	1,1-DCE	TCE	DIOX
Mar 2018	< 0.50	< 0.50	< 0.20

MW-21 (BC)

Date	1,1-DCE	TCE	DIOX
May 2017	1,200	12	140
Aug 2017	1,700	14	180
Nov 2017	1,500	10	120 E
Feb 2018	740	8.8	49 E

EW-01 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	120	0.49 J	110
Aug 2017	110	< 0.50	43 E
Nov 2017	2.4	< 0.50	< 2.0
Mar 2018	40	< 0.50	14

MW-18 (A)

Date	1,1-DCE	TCE	DIOX
Aug 2017	< 0.50	< 0.50	1.4
Feb 2018	< 0.50	< 0.50	2.3 U

MW-20 (D)

Date	1,1-DCE	TCE	DIOX
Aug 2017	0.78	< 0.50	0.81 U
Feb 2018	3.7	< 0.50	2.8 U

MW-06 (D)

Date	1,1-DCE	TCE	DIOX
Mar 2018	< 0.50	< 0.50	NA

P-09 (PERCHED)

Date	1,1-DCE	TCE	DIOX
Feb 2018	6.8	< 0.50	2.1

MW-19 (A)

Date	1,1-DCE	TCE	DIOX
Mar 2018	< 0.50	< 0.50	NA

MW-22 (A)

Date	1,1-DCE	TCE	DIOX
Feb 2018	< 0.50	< 0.50	< 0.20

MW-40 (B)

Date	1,1-DCE	TCE	DIOX
May 2017	< 0.50	< 0.50	< 2.0
Aug 2017	< 0.50	< 0.50	< 0.20
Nov 2017	< 0.50	< 0.50	< 0.20
Mar 2018	< 0.50	< 0.50	< 0.20

SEE DETAIL BELOW

DETAIL AREA

P-07 (PERCHED)

Date	1,1-DCE	TCE	DIOX
Feb 2018	1900	4.2	370 E

CITY OF FULLERTON WELL NO. 9

OCWD AIRPORT TEST WELL 3S/11W–36A6

0 250 500 FEET

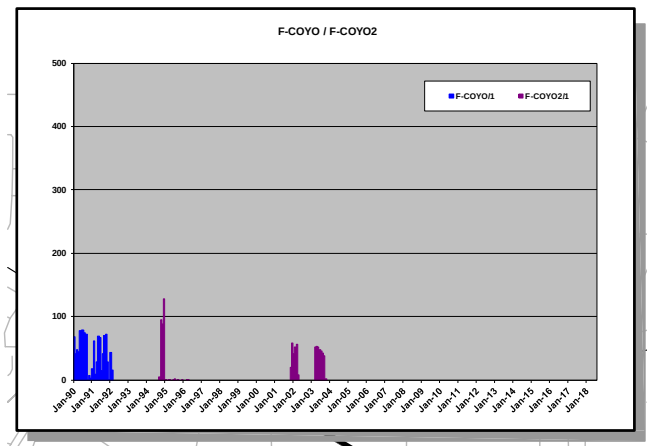
0 50 100 FEET

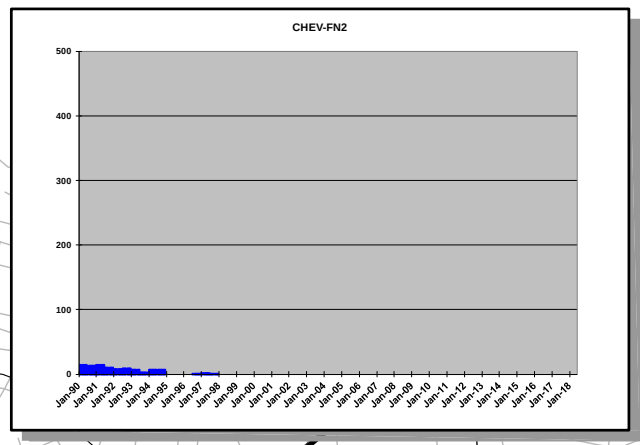
Apr 05, 2018 – 3:27pm ESS – T:\2018\500–599\532 Raytheon\Hydrogeology\Water Qual\210–4954.dwg

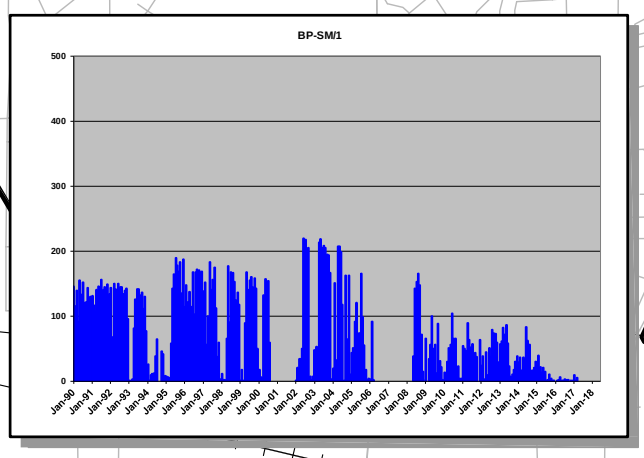
HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

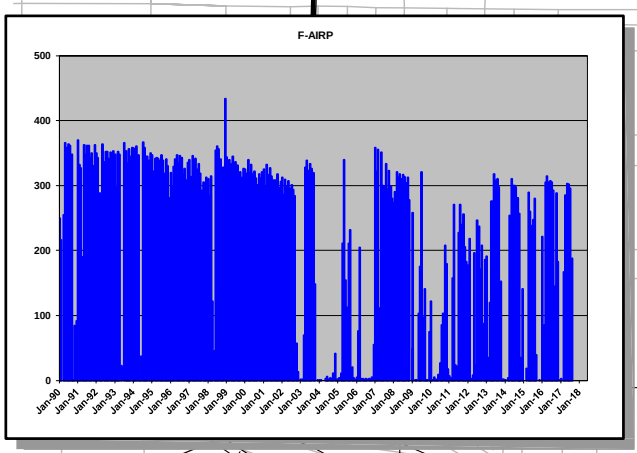
04/18	RPT NO. 532.31	210–4954	A

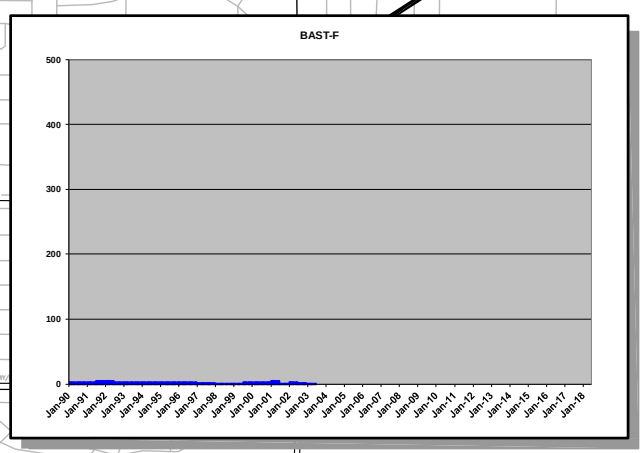
FIGURE 21.
1,1–DICHLOROETHYLENE, TRICHLOROETHYLENE, AND 1,4–DIOXANE IN THE REGIONAL GROUNDWATER SYSTEM MAY 2017 THROUGH FEBRUARY 2018

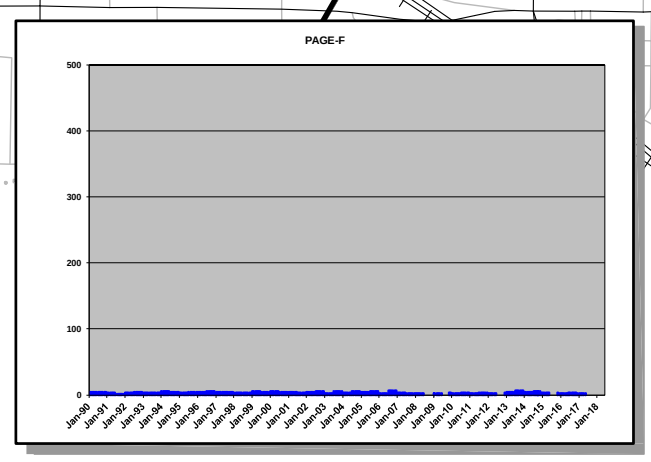


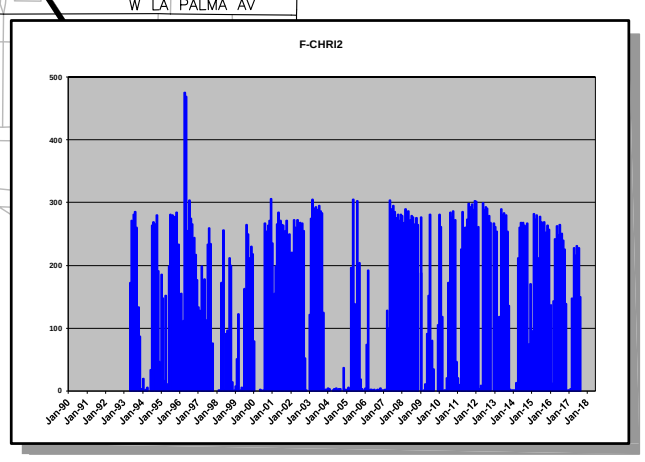












ROSECRANS AV
F–COYO/
F–COYO2
CHEV–FN2
PIONEER AV
N GILBERT ST
W BASTANCHURY RD
PARKS RD
FORMER
RAYTHEON
COMPANY SITE
W VALLEY VIEW DR
N EUCLID ST
W MALVERN AV
W CHAPMAN AV
BP–SM
ARTESIA AV
F–AIRP
OCWD–AIR1
S RICHMAN AV
W COMMONWEALTH AV
BROOKHURST RD
W VALENCIA DR
BAST–1
ORANGETHORPE AV
F–CHRI2
PAGE–F
HP–BOIS
(NO PRODUCTION
DATA PROVIDED)
S MAGNOLIA AV
LA PALMA AV
W LA PALMA AV

EXPLANATION

ACTIVE OR RECENTLY ACTIVE PRODUCTION WELL

REGIONAL OBSERVATION

NOTE: GRAPHS INDICATE MONTHLY GROUNDWATER PRODUCTION IN ACRE–FEET

0 2,000 4,000

FEET

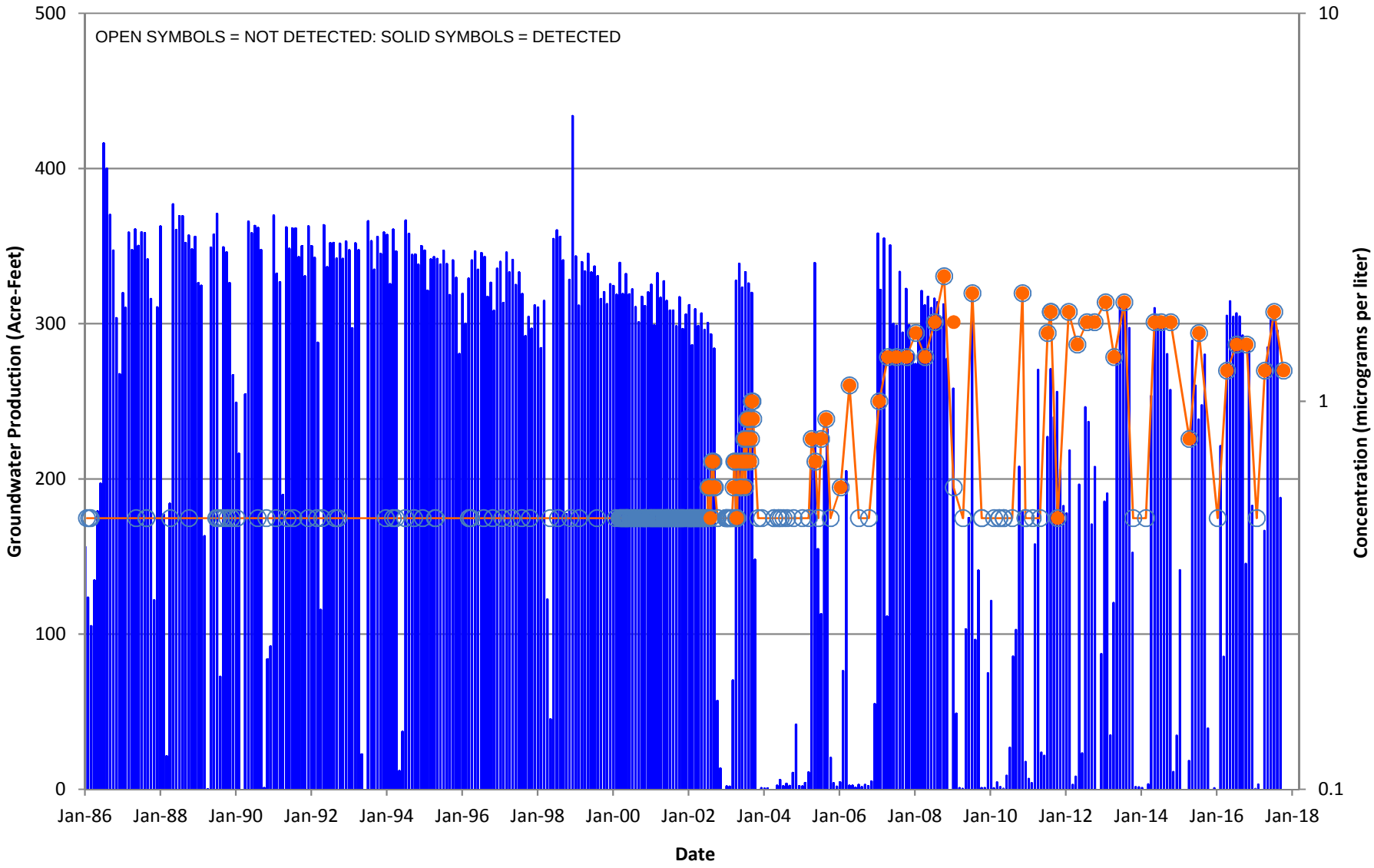
Apr 17, 2018 – 3:22pm ESS – T:\2018\500–599\532 Raytheon\Hydrogeology\H+A BaseMaps\410–10016.dwg

04/18	RPT NO. 532.31	410-10016	A

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

FIGURE 22.
REGIONAL PRODUCTION WELLS

FIGURE 23: F-AIRP Well Production and 1,1-Dichloroethylene Concentrations



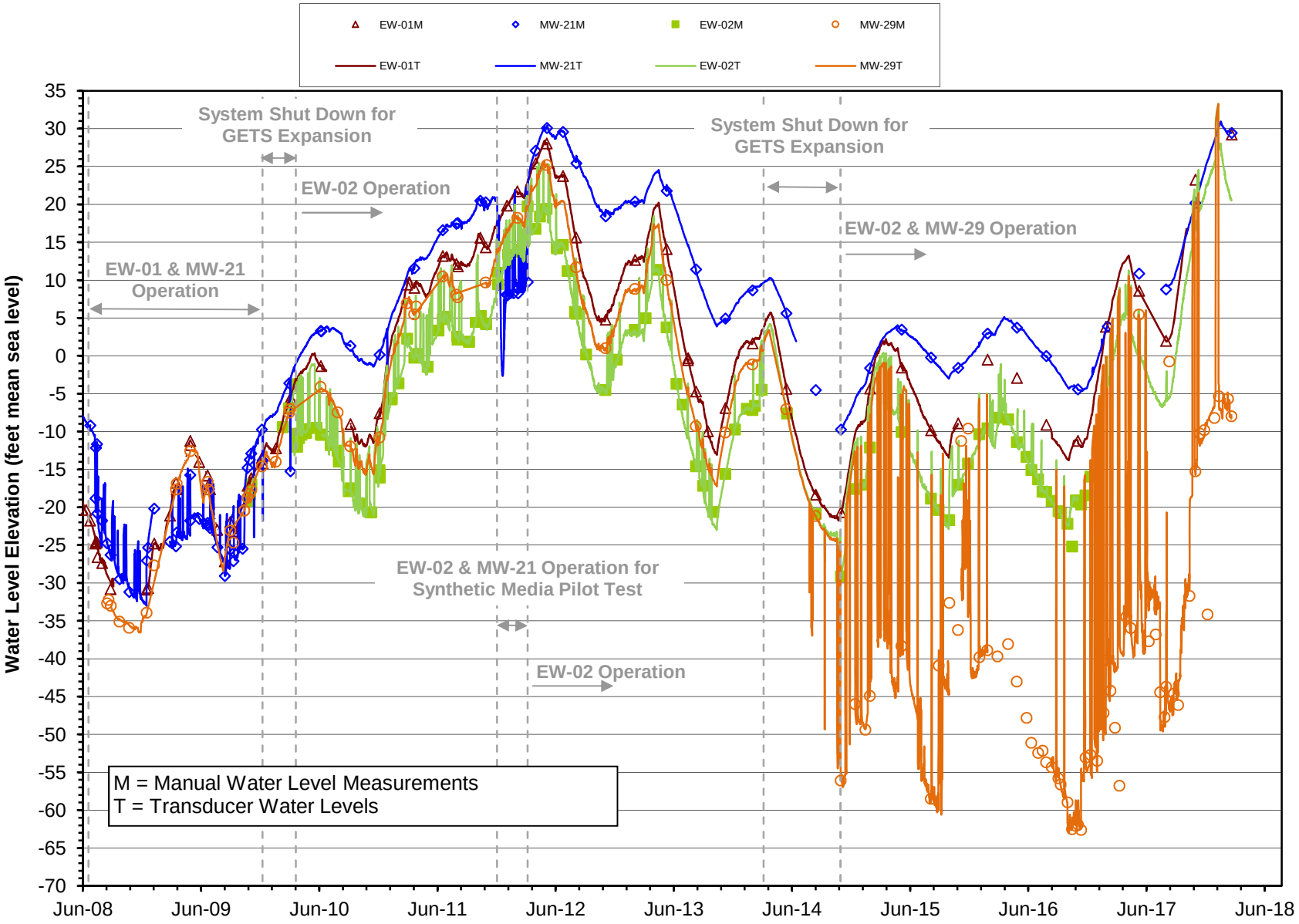


FIGURE 24.
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATION AND EXTRACTION WELL WATER LEVELS

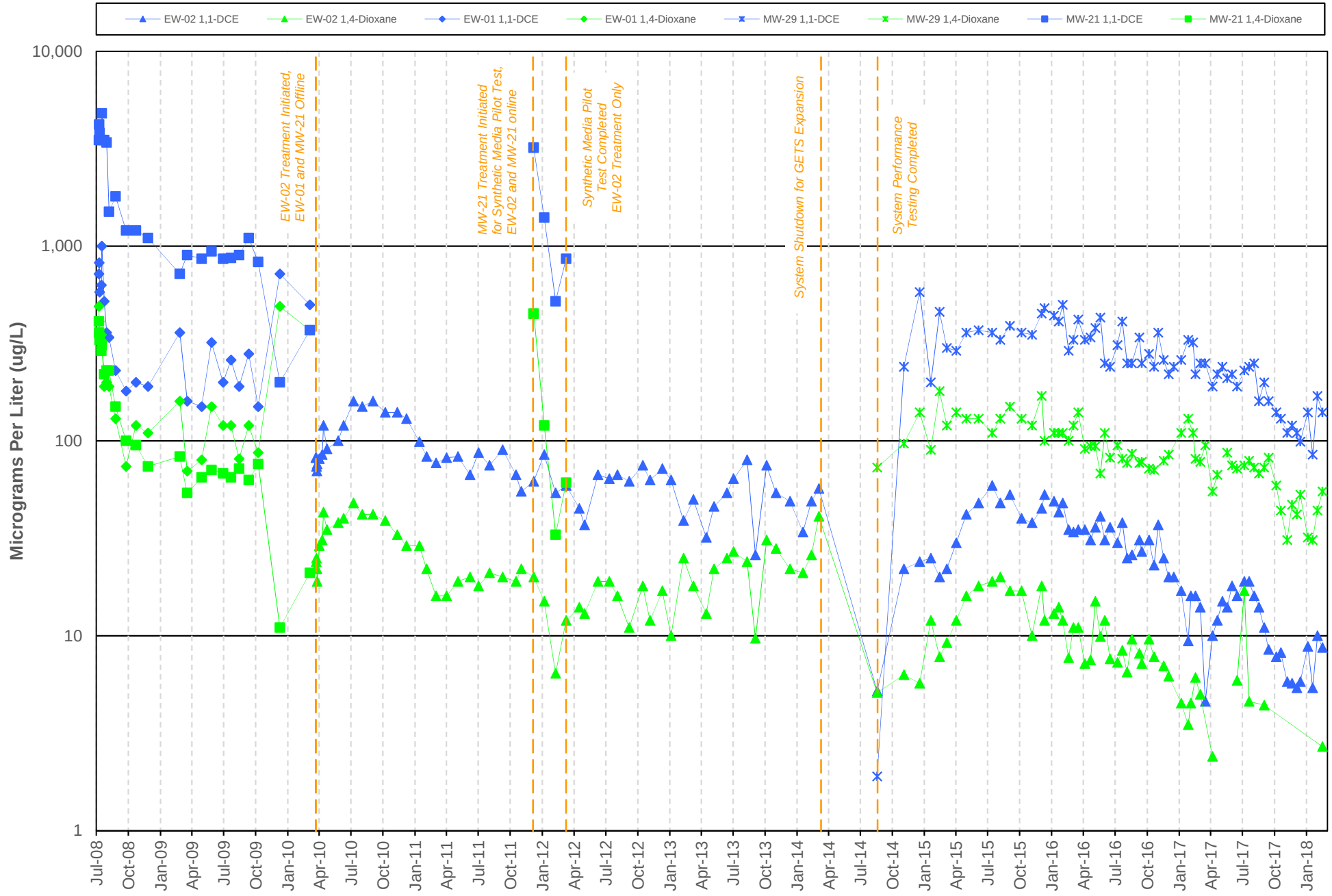
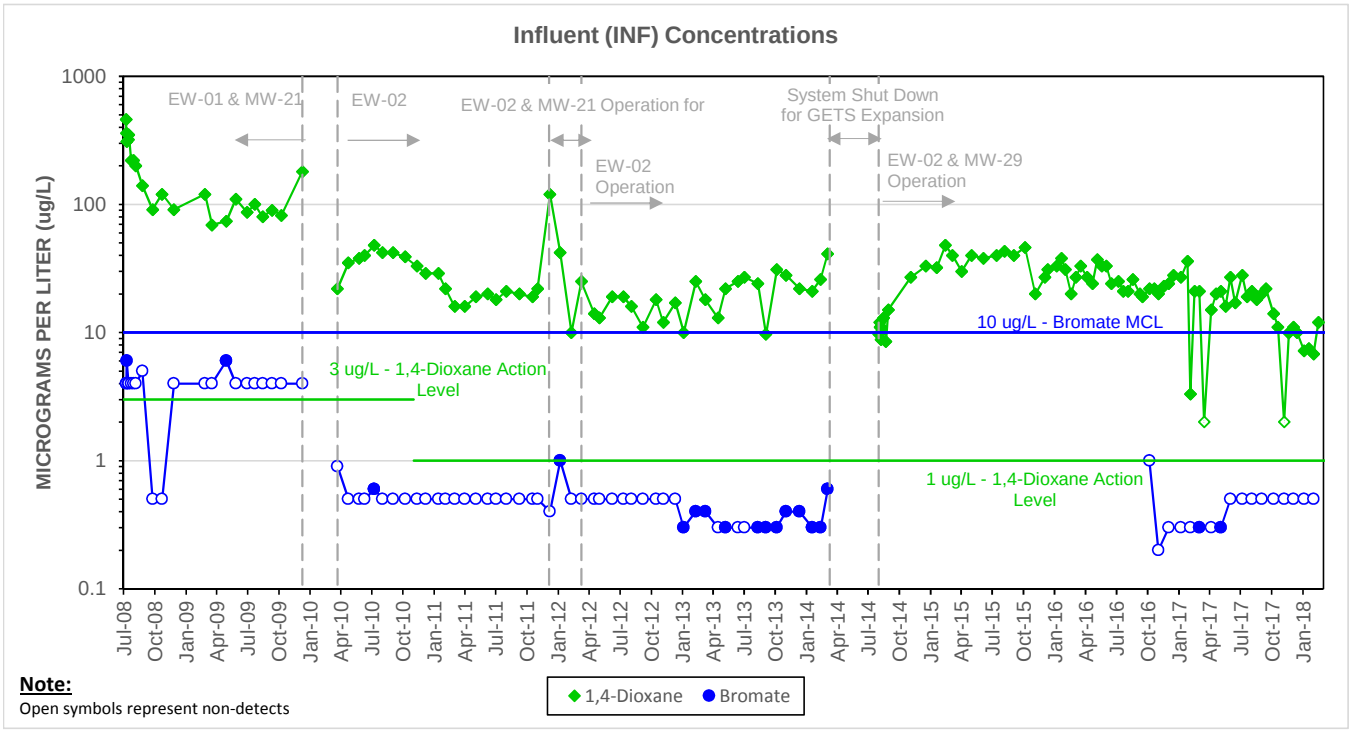
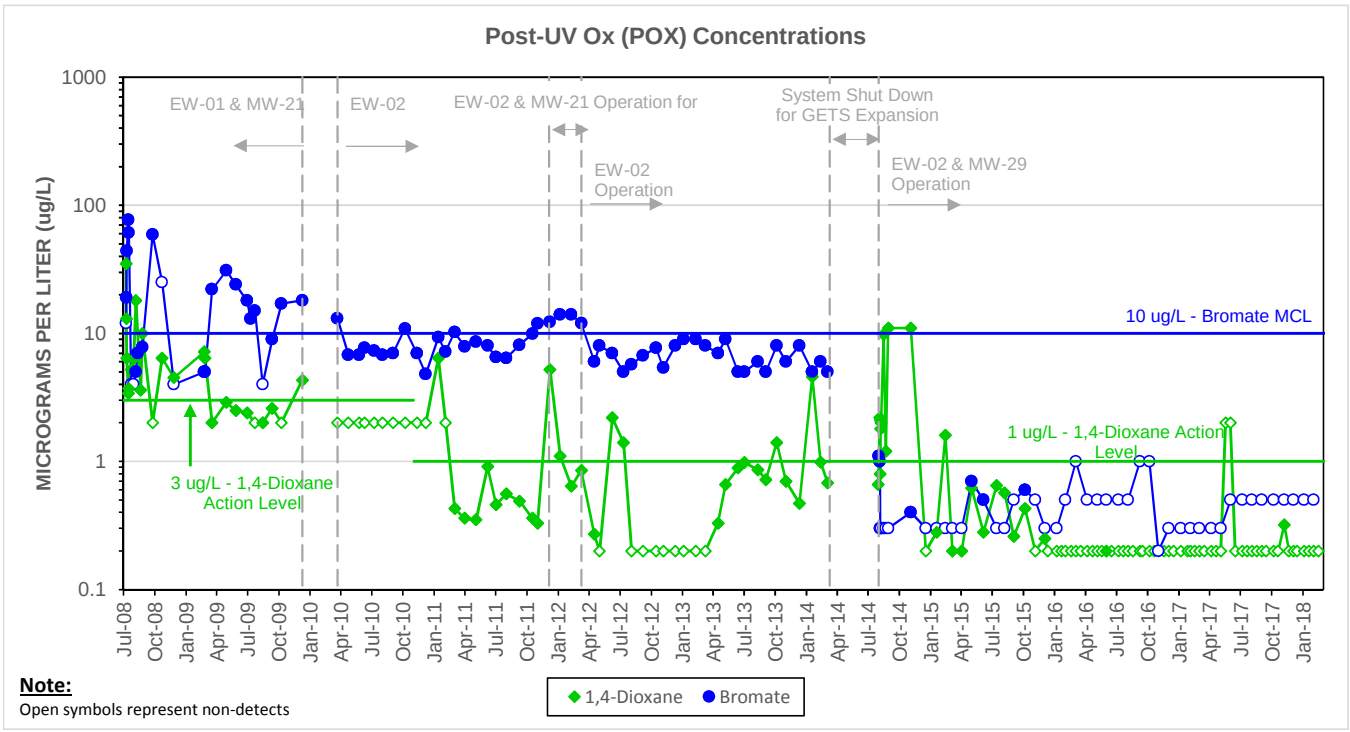


FIGURE 25.
1,1-DICHLOROETHYLENE AND 1,4-DIOXANE CONCENTRATIONS IN EXTRACTION WELLS



Note:
Open symbols represent non-detects



Note:
Open symbols represent non-detects

FIGURE 26.
1,4-DIOXANE AND BROMATE IN INFLUENT AND POST-OXIDATION SAMPLES

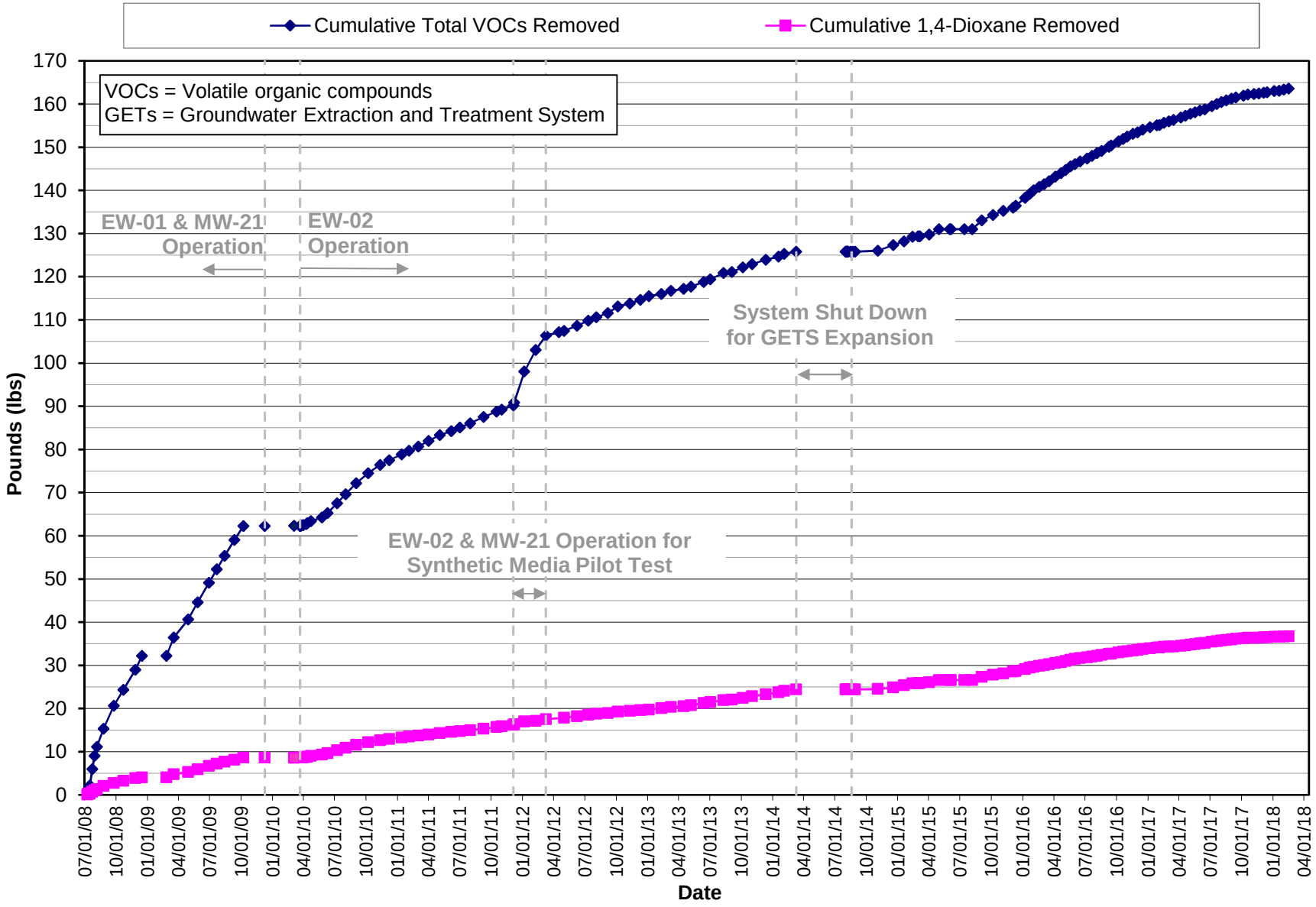


FIGURE 27.
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM MASS REMOVAL

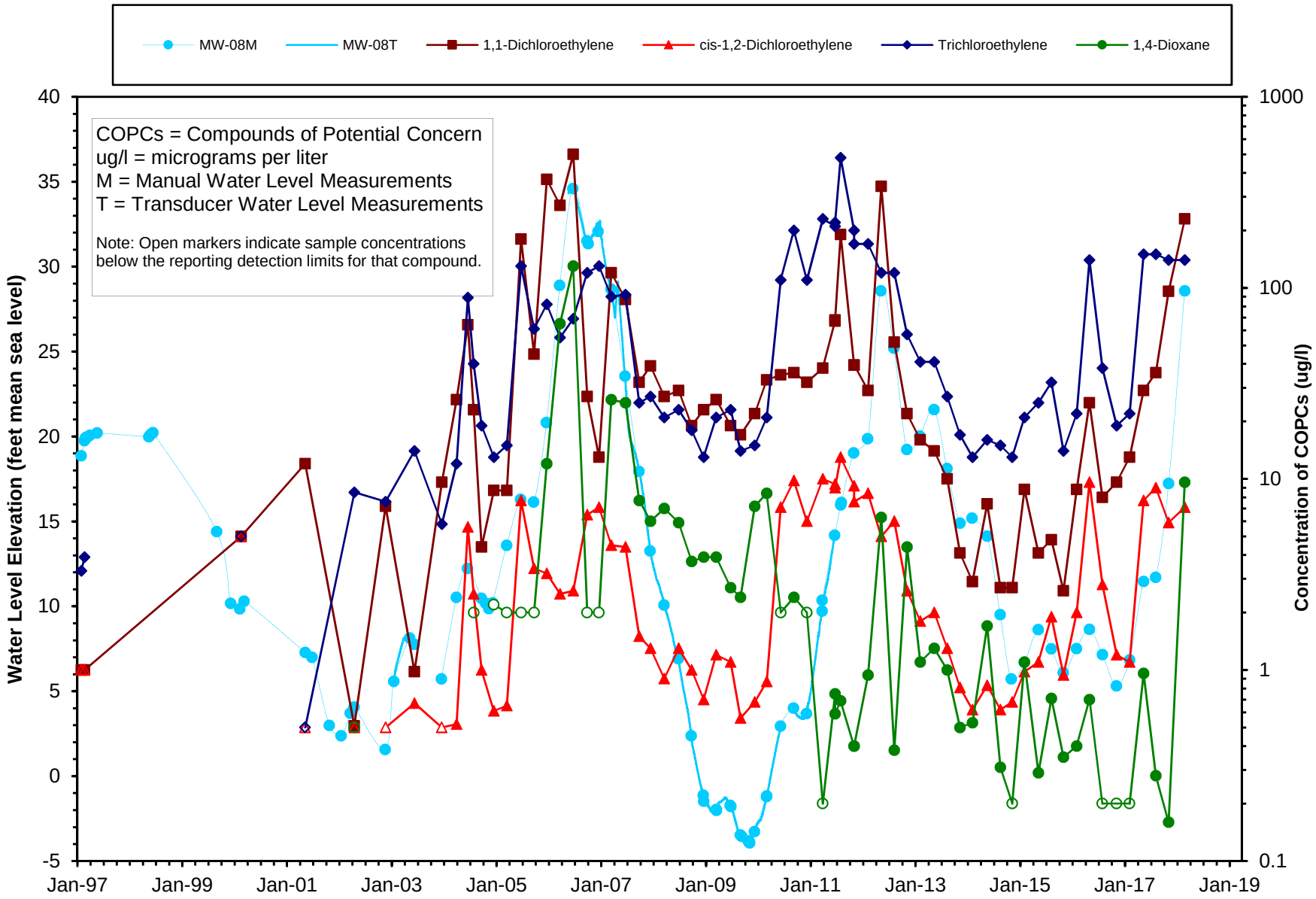


FIGURE 28. WATER LEVEL AND WATER QUALITY, MONITOR WELL MW-08

APPENDIX A

LABORATORY ANALYTICAL REPORTS

GROUNDWATER ANALYTICAL RESULTS

March 09, 2018

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1800785
Client Reference : Raytheon Main, 532.30

Enclosed are the results for sample(s) received on February 27, 2018 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-022718A	1800785-01	Lab Prepared Water	2/27/18 7:30	2/27/18 16:50
MW-13	1800785-02	Groundwater	2/27/18 10:00	2/27/18 16:50
MW-32A	1800785-03	Groundwater	2/27/18 13:20	2/27/18 16:50
MW-32B, 1.5 SV	1800785-04	Groundwater	2/27/18 14:15	2/27/18 16:50
MW-32B	1800785-05	Groundwater	2/27/18 14:50	2/27/18 16:50
MW-3200B	1800785-06	Groundwater	2/27/18 15:00	2/27/18 16:50
MW-21	1800785-07	Groundwater	2/27/18 16:05	2/27/18 16:50
MW-2100	1800785-08	Groundwater	2/27/18 16:15	2/27/18 16:50
MW-09	1800785-09	Groundwater	2/27/18 11:06	2/27/18 16:50
MW-15	1800785-10	Groundwater	2/27/18 14:35	2/27/18 16:50
RB-022718	1800785-11	Lab Prepared Water	2/27/18 15:05	2/27/18 16:50
MW-08	1800785-12	Groundwater	2/27/18 15:51	2/27/18 16:50

CASE NARRATIVE

Results were J-flagged. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID TB-022718A

Lab ID: 1800785-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 19:12	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 19:12	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 19:12	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 19:12	
1,1-Dichloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 19:12	
1,1-Dichloroethene	ND	0.50	0.28	1	B8B0967	02/28/2018	02/28/18 19:12	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 19:12	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 19:12	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:12	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 19:12	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:12	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 19:12	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 19:12	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:12	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 19:12	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:12	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 19:12	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:12	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 19:12	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 19:12	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 19:12	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 19:12	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 19:12	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 19:12	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 19:12	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 19:12	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 19:12	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:12	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 19:12	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID TB-022718A

Lab ID: 1800785-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 19:12	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 19:12	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:12	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 19:12	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 19:12	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 19:12	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 19:12	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:12	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 19:12	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 19:12	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 19:12	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:12	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 19:12	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 19:12	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 19:12	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 19:12	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:12	
Trichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:12	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 19:12	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 19:12	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 19:12*	
Surrogate: 4-Bromofluorobenzene	*95.2 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 19:12*	
Surrogate: Dibromofluoromethane	*108 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 19:12*	
Surrogate: Toluene-d8	*98.9 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 19:12*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-13

Lab ID: 1800785-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 19:37	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 19:37	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 19:37	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 19:37	
1,1-Dichloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 19:37	
1,1-Dichloroethene	ND	0.50	0.28	1	B8B0967	02/28/2018	02/28/18 19:37	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 19:37	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 19:37	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:37	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 19:37	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:37	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 19:37	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 19:37	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:37	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 19:37	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:37	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 19:37	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 19:37	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 19:37	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 19:37	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 19:37	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 19:37	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 19:37	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 19:37	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 19:37	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 19:37	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 19:37	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:37	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 19:37	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-13

Lab ID: 1800785-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 19:37	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 19:37	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 19:37	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 19:37	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 19:37	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 19:37	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 19:37	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:37	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 19:37	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 19:37	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 19:37	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:37	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 19:37	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 19:37	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 19:37	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 19:37	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:37	
Trichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 19:37	
Trichlorofluoromethane	**2.8**	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 19:37	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 19:37	
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*74 - 132*		B8B0967	02/28/2018	*02/28/18 19:37*	
Surrogate: 4-Bromofluorobenzene	*95.7 %*		*82 - 123*		B8B0967	02/28/2018	*02/28/18 19:37*	
Surrogate: Dibromofluoromethane	*108 %*		*76 - 135*		B8B0967	02/28/2018	*02/28/18 19:37*	
Surrogate: Toluene-d8	*100 %*		*85 - 125*		B8B0967	02/28/2018	*02/28/18 19:37*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-13

Lab ID: 1800785-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 14:47	
Surrogate: 1,2-Dichlorobenzene-d4	*86.8 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 14:47*	
Surrogate: 2-Fluorobiphenyl	*91.7 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 14:47*	
Surrogate: 4-Terphenyl-d14	*91.1 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 14:47*	
Surrogate: Nitrobenzene-d5	*82.7 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 14:47*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32A

Lab ID: 1800785-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:02	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 20:02	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:02	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 20:02	
1,1-Dichloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:02	
1,1-Dichloroethene	ND	0.50	0.28	1	B8B0967	02/28/2018	02/28/18 20:02	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 20:02	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 20:02	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:02	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:02	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:02	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 20:02	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 20:02	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:02	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:02	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:02	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 20:02	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:02	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 20:02	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:02	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 20:02	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 20:02	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:02	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 20:02	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:02	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 20:02	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 20:02	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:02	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:02	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32A

Lab ID: 1800785-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:02	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 20:02	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:02	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 20:02	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 20:02	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 20:02	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 20:02	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:02	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:02	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:02	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 20:02	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:02	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 20:02	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:02	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 20:02	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:02	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:02	
Trichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:02	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 20:02	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 20:02	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 20:02*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 20:02*	
Surrogate: Dibromofluoromethane	*108 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 20:02*	
Surrogate: Toluene-d8	*98.6 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 20:02*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32A

Lab ID: 1800785-03

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 15:13	
Surrogate: 1,2-Dichlorobenzene-d4	*88.7 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 15:13*	
Surrogate: 2-Fluorobiphenyl	*95.6 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 15:13*	
Surrogate: 4-Terphenyl-d14	*95.3 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 15:13*	
Surrogate: Nitrobenzene-d5	*86.2 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 15:13*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32B, 1.5 SV

Lab ID: 1800785-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 15:22	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 15:22	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 15:22	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 15:22	
1,1-Dichloroethane	**1.2**	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 15:22	
1,1-Dichloroethene	**120**	5.0	2.8	10	B8B0967	02/28/2018	02/28/18 17:09	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 15:22	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 15:22	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:22	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 15:22	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:22	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 15:22	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 15:22	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:22	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 15:22	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:22	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 15:22	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:22	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 15:22	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 15:22	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 15:22	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 15:22	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 15:22	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 15:22	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 15:22	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 15:22	
cis-1,2-Dichloroethene	**4.1**	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 15:22	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:22	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 15:22	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32B, 1.5 SV

Lab ID: 1800785-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 15:22	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 15:22	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:22	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 15:22	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 15:22	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 15:22	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 15:22	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:22	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 15:22	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 15:22	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 15:22	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:22	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 15:22	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 15:22	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 15:22	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 15:22	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:22	
Trichloroethene	**37**	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:22	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 15:22	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 15:22	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 17:09*	
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 15:22*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 17:09*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 15:22*	
Surrogate: Dibromofluoromethane	*109 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 15:22*	
Surrogate: Dibromofluoromethane	*112 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 17:09*	
Surrogate: Toluene-d8	*102 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 17:09*	
Surrogate: Toluene-d8	*94.1 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 15:22*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32B, 1.5 SV

Lab ID: 1800785-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**1.1**	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 15:41	
Surrogate: 1,2-Dichlorobenzene-d4	*81.3 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 15:41*	
Surrogate: 2-Fluorobiphenyl	*85.5 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 15:41*	
Surrogate: 4-Terphenyl-d14	*93.9 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 15:41*	
Surrogate: Nitrobenzene-d5	*79.0 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 15:41*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32B

Lab ID: 1800785-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 14:33	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 14:33	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 14:33	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 14:33	
1,1-Dichloroethane	**1.2**	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 14:33	
1,1-Dichloroethene	**130**	5.0	2.8	10	B8B0967	02/28/2018	02/28/18 16:44	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 14:33	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 14:33	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:33	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 14:33	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:33	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 14:33	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 14:33	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:33	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 14:33	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:33	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 14:33	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:33	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 14:33	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 14:33	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 14:33	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 14:33	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 14:33	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 14:33	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 14:33	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 14:33	
cis-1,2-Dichloroethene	**3.6**	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 14:33	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:33	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 14:33	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32B

Lab ID: 1800785-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 14:33	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 14:33	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:33	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 14:33	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 14:33	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 14:33	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 14:33	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:33	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 14:33	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 14:33	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 14:33	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:33	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 14:33	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 14:33	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 14:33	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 14:33	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:33	
Trichloroethene	**41**	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:33	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 14:33	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 14:33	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 16:44*	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 14:33*	
Surrogate: 4-Bromofluorobenzene	*96.2 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 16:44*	
Surrogate: 4-Bromofluorobenzene	*95.8 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 14:33*	
Surrogate: Dibromofluoromethane	*111 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 14:33*	
Surrogate: Dibromofluoromethane	*113 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 16:44*	
Surrogate: Toluene-d8	*102 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 16:44*	
Surrogate: Toluene-d8	*95.7 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 14:33*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-32B

Lab ID: 1800785-05

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**1.4**	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 16:08	
Surrogate: 1,2-Dichlorobenzene-d4	*79.9 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 16:08*	
Surrogate: 2-Fluorobiphenyl	*86.7 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 16:08*	
Surrogate: 4-Terphenyl-d14	*81.7 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 16:08*	
Surrogate: Nitrobenzene-d5	*78.0 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 16:08*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-3200B

Lab ID: 1800785-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 14:58	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 14:58	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 14:58	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 14:58	
1,1-Dichloroethane	**1.2**	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 14:58	
1,1-Dichloroethene	**110**	5.0	2.8	10	B8B0967	02/28/2018	02/28/18 17:33	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 14:58	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 14:58	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:58	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 14:58	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:58	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 14:58	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 14:58	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:58	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 14:58	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:58	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 14:58	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 14:58	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 14:58	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 14:58	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 14:58	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 14:58	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 14:58	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 14:58	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 14:58	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 14:58	
cis-1,2-Dichloroethene	**3.7**	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 14:58	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:58	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 14:58	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-3200B

Lab ID: 1800785-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 14:58	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 14:58	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 14:58	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 14:58	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 14:58	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 14:58	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 14:58	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:58	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 14:58	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 14:58	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 14:58	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:58	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 14:58	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 14:58	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 14:58	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 14:58	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:58	
Trichloroethene	**41**	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 14:58	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 14:58	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 14:58	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 14:58*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 17:33*	
Surrogate: 4-Bromofluorobenzene	*97.2 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 17:33*	
Surrogate: 4-Bromofluorobenzene	*95.4 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 14:58*	
Surrogate: Dibromofluoromethane	*114 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 14:58*	
Surrogate: Dibromofluoromethane	*108 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 17:33*	
Surrogate: Toluene-d8	*100 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 17:33*	
Surrogate: Toluene-d8	*95.4 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 14:58*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-3200B

Lab ID: 1800785-06

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**1.3**	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 16:35	
Surrogate: 1,2-Dichlorobenzene-d4	*91.8 %*	*32 - 99*			B8C0104	03/05/2018	*03/05/18 16:35*	
Surrogate: 2-Fluorobiphenyl	*101 %*	*29 - 105*			B8C0104	03/05/2018	*03/05/18 16:35*	
Surrogate: 4-Terphenyl-d14	*98.9 %*	*32 - 119*			B8C0104	03/05/2018	*03/05/18 16:35*	
Surrogate: Nitrobenzene-d5	*88.5 %*	*17 - 123*			B8C0104	03/05/2018	*03/05/18 16:35*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-21

Lab ID: 1800785-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	2.5	0.66	5	B8C0101	03/05/2018	03/05/18 21:28	
1,1,1-Trichloroethane	ND	2.5	1.9	5	B8C0101	03/05/2018	03/05/18 21:28	
1,1,2,2-Tetrachloroethane	ND	2.5	0.98	5	B8C0101	03/05/2018	03/05/18 21:28	
1,1,2-Trichloroethane	**2.2**	2.5	0.95	5	B8C0101	03/05/2018	03/05/18 21:28	J
1,1-Dichloroethane	**8.0**	2.5	0.98	5	B8C0101	03/05/2018	03/05/18 21:28	
1,1-Dichloroethene	**740**	5.0	2.8	10	B8C0015	03/01/2018	03/01/18 22:42	
1,1-Dichloropropene	ND	2.5	1.8	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2,3-Trichloropropane	ND	2.5	0.78	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2,3-Trichlorobenzene	ND	2.5	0.30	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2,4-Trichlorobenzene	ND	2.5	0.34	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2,4-Trimethylbenzene	ND	2.5	0.43	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2-Dibromo-3-chloropropane	ND	2.5	0.98	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2-Dibromoethane	ND	2.5	0.66	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2-Dichlorobenzene	ND	2.5	0.58	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2-Dichloroethane	ND	2.5	2.0	5	B8C0101	03/05/2018	03/05/18 21:28	
1,2-Dichloropropane	ND	2.5	2.4	5	B8C0101	03/05/2018	03/05/18 21:28	
1,3,5-Trimethylbenzene	ND	2.5	0.40	5	B8C0101	03/05/2018	03/05/18 21:28	
1,3-Dichlorobenzene	ND	2.5	0.64	5	B8C0101	03/05/2018	03/05/18 21:28	
1,3-Dichloropropane	ND	2.5	0.42	5	B8C0101	03/05/2018	03/05/18 21:28	
1,4-Dichlorobenzene	ND	2.5	0.92	5	B8C0101	03/05/2018	03/05/18 21:28	
2,2-Dichloropropane	ND	2.5	1.2	5	B8C0101	03/05/2018	03/05/18 21:28	
2-Chlorotoluene	ND	2.5	0.60	5	B8C0101	03/05/2018	03/05/18 21:28	
4-Chlorotoluene	ND	2.5	0.53	5	B8C0101	03/05/2018	03/05/18 21:28	
4-Isopropyltoluene	ND	2.5	0.60	5	B8C0101	03/05/2018	03/05/18 21:28	
Benzene	ND	2.5	1.0	5	B8C0101	03/05/2018	03/05/18 21:28	
Bromobenzene	ND	2.5	0.62	5	B8C0101	03/05/2018	03/05/18 21:28	
Bromodichloromethane	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 21:28	
Bromoform	ND	2.5	0.70	5	B8C0101	03/05/2018	03/05/18 21:28	
Bromomethane	ND	2.5	1.1	5	B8C0101	03/05/2018	03/05/18 21:28	
Carbon tetrachloride	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 21:28	
Chlorobenzene	ND	2.5	0.80	5	B8C0101	03/05/2018	03/05/18 21:28	
Chloroethane	ND	2.5	1.4	5	B8C0101	03/05/2018	03/05/18 21:28	
Chloroform	ND	2.5	0.82	5	B8C0101	03/05/2018	03/05/18 21:28	
Chloromethane	ND	2.5	0.94	5	B8C0101	03/05/2018	03/05/18 21:28	
cis-1,2-Dichloroethene	ND	2.5	2.0	5	B8C0101	03/05/2018	03/05/18 21:28	
cis-1,3-Dichloropropene	ND	2.5	0.38	5	B8C0101	03/05/2018	03/05/18 21:28	
Dibromochloromethane	ND	2.5	0.53	5	B8C0101	03/05/2018	03/05/18 21:28	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-21

Lab ID: 1800785-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	2.5	0.45	5	B8C0101	03/05/2018	03/05/18 21:28	
Dichlorodifluoromethane	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 21:28	
Ethylbenzene	ND	2.5	0.40	5	B8C0101	03/05/2018	03/05/18 21:28	
Hexachlorobutadiene	ND	2.5	1.1	5	B8C0101	03/05/2018	03/05/18 21:28	
Isopropylbenzene	ND	2.5	0.48	5	B8C0101	03/05/2018	03/05/18 21:28	
m,p-Xylene	ND	5.0	0.92	5	B8C0101	03/05/2018	03/05/18 21:28	
Methylene chloride	ND	5.0	1.3	5	B8C0101	03/05/2018	03/05/18 21:28	
n-Butylbenzene	ND	2.5	0.74	5	B8C0101	03/05/2018	03/05/18 21:28	
n-Propylbenzene	ND	2.5	0.69	5	B8C0101	03/05/2018	03/05/18 21:28	
Naphthalene	ND	2.5	0.44	5	B8C0101	03/05/2018	03/05/18 21:28	
o-Xylene	ND	2.5	0.22	5	B8C0101	03/05/2018	03/05/18 21:28	
sec-Butylbenzene	ND	2.5	0.74	5	B8C0101	03/05/2018	03/05/18 21:28	
Styrene	ND	2.5	0.25	5	B8C0101	03/05/2018	03/05/18 21:28	
tert-Butylbenzene	ND	2.5	0.55	5	B8C0101	03/05/2018	03/05/18 21:28	
Tetrachloroethene	**3.2**	2.5	0.92	5	B8C0101	03/05/2018	03/05/18 21:28	
Toluene	ND	2.5	0.68	5	B8C0101	03/05/2018	03/05/18 21:28	
trans-1,2-Dichloroethene	ND	2.5	0.74	5	B8C0101	03/05/2018	03/05/18 21:28	
Trichloroethene	**8.8**	2.5	0.73	5	B8C0101	03/05/2018	03/05/18 21:28	
Trichlorofluoromethane	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 21:28	
Vinyl chloride	ND	2.5	1.3	5	B8C0101	03/05/2018	03/05/18 21:28	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*74 - 132*			B8C0015	03/01/2018	*03/01/18 22:42*	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*74 - 132*			B8C0101	03/05/2018	*03/05/18 21:28*	
Surrogate: 4-Bromofluorobenzene	*97.4 %*	*82 - 123*			B8C0015	03/01/2018	*03/01/18 22:42*	
Surrogate: 4-Bromofluorobenzene	*93.7 %*	*82 - 123*			B8C0101	03/05/2018	*03/05/18 21:28*	
Surrogate: Dibromofluoromethane	*107 %*	*76 - 135*			B8C0101	03/05/2018	*03/05/18 21:28*	
Surrogate: Dibromofluoromethane	*114 %*	*76 - 135*			B8C0015	03/01/2018	*03/01/18 22:42*	
Surrogate: Toluene-d8	*94.0 %*	*85 - 125*			B8C0101	03/05/2018	*03/05/18 21:28*	
Surrogate: Toluene-d8	*100 %*	*85 - 125*			B8C0015	03/01/2018	*03/01/18 22:42*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-21

Lab ID: 1800785-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**49**	2.0	0.84	1	B8C0143	03/06/2018	03/07/18 13:26	
Surrogate: 1,2-Dichlorobenzene-d4	*71.8 %*		*17 - 101*		B8C0143	03/06/2018	*03/07/18 13:26*	
Surrogate: 2-Fluorobiphenyl	*90.4 %*		*29 - 109*		B8C0143	03/06/2018	*03/07/18 13:26*	
Surrogate: 4-Terphenyl-d14	*104 %*		*49 - 122*		B8C0143	03/06/2018	*03/07/18 13:26*	
Surrogate: Nitrobenzene-d5	*62.5 %*		*19 - 111*		B8C0143	03/06/2018	*03/07/18 13:26*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-2100

Lab ID: 1800785-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	2.5	0.66	5	B8B0967	02/28/2018	02/28/18 21:41	
1,1,1-Trichloroethane	ND	2.5	1.9	5	B8B0967	02/28/2018	02/28/18 21:41	
1,1,2,2-Tetrachloroethane	ND	2.5	0.98	5	B8B0967	02/28/2018	02/28/18 21:41	
1,1,2-Trichloroethane	**2.8**	2.5	0.95	5	B8B0967	02/28/2018	02/28/18 21:41	
1,1-Dichloroethane	**7.8**	2.5	0.98	5	B8B0967	02/28/2018	02/28/18 21:41	
1,1-Dichloroethene	**750**	10	5.6	20	B8B0967	02/28/2018	02/28/18 22:06	
1,1-Dichloropropene	ND	2.5	1.8	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2,3-Trichloropropane	ND	2.5	0.78	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2,3-Trichlorobenzene	ND	2.5	0.30	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2,4-Trichlorobenzene	ND	2.5	0.34	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2,4-Trimethylbenzene	ND	2.5	0.43	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2-Dibromo-3-chloropropane	ND	2.5	0.98	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2-Dibromoethane	ND	2.5	0.66	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2-Dichlorobenzene	ND	2.5	0.58	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2-Dichloroethane	ND	2.5	2.0	5	B8B0967	02/28/2018	02/28/18 21:41	
1,2-Dichloropropane	ND	2.5	2.4	5	B8B0967	02/28/2018	02/28/18 21:41	
1,3,5-Trimethylbenzene	ND	2.5	0.40	5	B8B0967	02/28/2018	02/28/18 21:41	
1,3-Dichlorobenzene	ND	2.5	0.64	5	B8B0967	02/28/2018	02/28/18 21:41	
1,3-Dichloropropane	ND	2.5	0.42	5	B8B0967	02/28/2018	02/28/18 21:41	
1,4-Dichlorobenzene	ND	2.5	0.92	5	B8B0967	02/28/2018	02/28/18 21:41	
2,2-Dichloropropane	ND	2.5	1.2	5	B8B0967	02/28/2018	02/28/18 21:41	
2-Chlorotoluene	ND	2.5	0.60	5	B8B0967	02/28/2018	02/28/18 21:41	
4-Chlorotoluene	ND	2.5	0.53	5	B8B0967	02/28/2018	02/28/18 21:41	
4-Isopropyltoluene	ND	2.5	0.60	5	B8B0967	02/28/2018	02/28/18 21:41	
Benzene	ND	2.5	1.0	5	B8B0967	02/28/2018	02/28/18 21:41	
Bromobenzene	ND	2.5	0.62	5	B8B0967	02/28/2018	02/28/18 21:41	
Bromodichloromethane	ND	2.5	1.6	5	B8B0967	02/28/2018	02/28/18 21:41	
Bromoform	ND	2.5	0.70	5	B8B0967	02/28/2018	02/28/18 21:41	
Bromomethane	ND	2.5	1.1	5	B8B0967	02/28/2018	02/28/18 21:41	
Carbon tetrachloride	ND	2.5	1.6	5	B8B0967	02/28/2018	02/28/18 21:41	
Chlorobenzene	ND	2.5	0.80	5	B8B0967	02/28/2018	02/28/18 21:41	
Chloroethane	ND	2.5	1.4	5	B8B0967	02/28/2018	02/28/18 21:41	
Chloroform	ND	2.5	0.82	5	B8B0967	02/28/2018	02/28/18 21:41	
Chloromethane	ND	2.5	0.94	5	B8B0967	02/28/2018	02/28/18 21:41	
cis-1,2-Dichloroethene	ND	2.5	2.0	5	B8B0967	02/28/2018	02/28/18 21:41	
cis-1,3-Dichloropropene	ND	2.5	0.38	5	B8B0967	02/28/2018	02/28/18 21:41	
Dibromochloromethane	ND	2.5	0.53	5	B8B0967	02/28/2018	02/28/18 21:41	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-2100
Lab ID: 1800785-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	2.5	0.45	5	B8B0967	02/28/2018	02/28/18 21:41	
Dichlorodifluoromethane	ND	2.5	1.6	5	B8B0967	02/28/2018	02/28/18 21:41	
Ethylbenzene	ND	2.5	0.40	5	B8B0967	02/28/2018	02/28/18 21:41	
Hexachlorobutadiene	ND	2.5	1.1	5	B8B0967	02/28/2018	02/28/18 21:41	
Isopropylbenzene	ND	2.5	0.48	5	B8B0967	02/28/2018	02/28/18 21:41	
m,p-Xylene	ND	5.0	0.92	5	B8B0967	02/28/2018	02/28/18 21:41	
Methylene chloride	ND	5.0	1.3	5	B8B0967	02/28/2018	02/28/18 21:41	
n-Butylbenzene	ND	2.5	0.74	5	B8B0967	02/28/2018	02/28/18 21:41	
n-Propylbenzene	ND	2.5	0.69	5	B8B0967	02/28/2018	02/28/18 21:41	
Naphthalene	ND	2.5	0.44	5	B8B0967	02/28/2018	02/28/18 21:41	
o-Xylene	ND	2.5	0.22	5	B8B0967	02/28/2018	02/28/18 21:41	
sec-Butylbenzene	ND	2.5	0.74	5	B8B0967	02/28/2018	02/28/18 21:41	
Styrene	ND	2.5	0.25	5	B8B0967	02/28/2018	02/28/18 21:41	
tert-Butylbenzene	ND	2.5	0.55	5	B8B0967	02/28/2018	02/28/18 21:41	
Tetrachloroethene	**2.6**	2.5	0.92	5	B8B0967	02/28/2018	02/28/18 21:41	
Toluene	ND	2.5	0.68	5	B8B0967	02/28/2018	02/28/18 21:41	
trans-1,2-Dichloroethene	ND	2.5	0.74	5	B8B0967	02/28/2018	02/28/18 21:41	
Trichloroethene	**8.6**	2.5	0.73	5	B8B0967	02/28/2018	02/28/18 21:41	
Trichlorofluoromethane	ND	2.5	1.6	5	B8B0967	02/28/2018	02/28/18 21:41	
Vinyl chloride	ND	2.5	1.3	5	B8B0967	02/28/2018	02/28/18 21:41	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 22:06*	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 21:41*	
Surrogate: 4-Bromofluorobenzene	*98.6 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 22:06*	
Surrogate: 4-Bromofluorobenzene	*95.3 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 21:41*	
Surrogate: Dibromofluoromethane	*109 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 21:41*	
Surrogate: Dibromofluoromethane	*111 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 22:06*	
Surrogate: Toluene-d8	*99.6 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 21:41*	
Surrogate: Toluene-d8	*99.5 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 22:06*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-2100

Lab ID: 1800785-08

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**49**	2.0	0.84	1	B8C0143	03/06/2018	03/07/18 13:52	
Surrogate: 1,2-Dichlorobenzene-d4	*68.0 %*		*17 - 101*		B8C0143	03/06/2018	*03/07/18 13:52*	
Surrogate: 2-Fluorobiphenyl	*90.9 %*		*29 - 109*		B8C0143	03/06/2018	*03/07/18 13:52*	
Surrogate: 4-Terphenyl-d14	*105 %*		*49 - 122*		B8C0143	03/06/2018	*03/07/18 13:52*	
Surrogate: Nitrobenzene-d5	*60.3 %*		*19 - 111*		B8C0143	03/06/2018	*03/07/18 13:52*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-09

Lab ID: 1800785-09

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:27	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 20:27	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:27	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 20:27	
1,1-Dichloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:27	
1,1-Dichloroethene	ND	0.50	0.28	1	B8B0967	02/28/2018	02/28/18 20:27	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 20:27	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 20:27	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:27	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:27	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:27	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 20:27	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 20:27	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:27	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:27	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:27	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 20:27	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:27	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 20:27	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:27	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 20:27	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 20:27	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:27	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 20:27	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:27	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 20:27	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 20:27	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:27	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:27	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-09

Lab ID: 1800785-09

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:27	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 20:27	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:27	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 20:27	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 20:27	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 20:27	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 20:27	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:27	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:27	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:27	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 20:27	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:27	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 20:27	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:27	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 20:27	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:27	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:27	
Trichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:27	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 20:27	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 20:27	
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 20:27*	
Surrogate: 4-Bromofluorobenzene	*95.7 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 20:27*	
Surrogate: Dibromofluoromethane	*103 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 20:27*	
Surrogate: Toluene-d8	*103 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 20:27*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
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San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-09

Lab ID: 1800785-09

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 17:02	
Surrogate: 1,2-Dichlorobenzene-d4	*80.5 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 17:02*	
Surrogate: 2-Fluorobiphenyl	*84.9 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 17:02*	
Surrogate: 4-Terphenyl-d14	*89.2 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 17:02*	
Surrogate: Nitrobenzene-d5	*79.4 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 17:02*	

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San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-15

Lab ID: 1800785-10

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:52	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 20:52	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:52	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 20:52	
1,1-Dichloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:52	
1,1-Dichloroethene	ND	0.50	0.28	1	B8B0967	02/28/2018	02/28/18 20:52	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 20:52	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 20:52	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:52	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 20:52	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:52	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 20:52	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 20:52	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:52	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:52	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:52	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 20:52	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 20:52	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 20:52	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:52	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 20:52	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 20:52	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:52	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 20:52	
Chloroform	**0.22**	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 20:52	J
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 20:52	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 20:52	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:52	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:52	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-15

Lab ID: 1800785-10

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:52	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 20:52	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 20:52	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 20:52	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 20:52	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 20:52	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 20:52	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:52	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:52	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 20:52	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 20:52	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:52	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 20:52	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 20:52	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 20:52	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 20:52	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:52	
Trichloroethene	**4.1**	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 20:52	
Trichlorofluoromethane	**11**	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 20:52	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 20:52	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 20:52*	
Surrogate: 4-Bromofluorobenzene	*94.1 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 20:52*	
Surrogate: Dibromofluoromethane	*105 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 20:52*	
Surrogate: Toluene-d8	*96.0 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 20:52*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID RB-022718

Lab ID: 1800785-11

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 21:16	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 21:16	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 21:16	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 21:16	
1,1-Dichloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 21:16	
1,1-Dichloroethene	ND	0.50	0.28	1	B8B0967	02/28/2018	02/28/18 21:16	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 21:16	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 21:16	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 21:16	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 21:16	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 21:16	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 21:16	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 21:16	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 21:16	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 21:16	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 21:16	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 21:16	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 21:16	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 21:16	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 21:16	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 21:16	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 21:16	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 21:16	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 21:16	
Chloroform	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 21:16	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 21:16	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 21:16	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 21:16	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 21:16	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID RB-022718

Lab ID: 1800785-11

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 21:16	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 21:16	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 21:16	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 21:16	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 21:16	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 21:16	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 21:16	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 21:16	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 21:16	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 21:16	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 21:16	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 21:16	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 21:16	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 21:16	
Tetrachloroethene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 21:16	
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 21:16	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 21:16	
Trichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 21:16	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 21:16	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 21:16	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 21:16*	
Surrogate: 4-Bromofluorobenzene	*98.4 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 21:16*	
Surrogate: Dibromofluoromethane	*111 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 21:16*	
Surrogate: Toluene-d8	*103 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 21:16*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-08

Lab ID: 1800785-12

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 15:47	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8B0967	02/28/2018	02/28/18 15:47	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 15:47	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 15:47	
1,1-Dichloroethane	**1.6**	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 15:47	
1,1-Dichloroethene	**230**	5.0	2.8	10	B8B0967	02/28/2018	02/28/18 16:19	
1,1-Dichloropropene	ND	0.50	0.36	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2-Dibromoethane	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2-Dichloroethane	ND	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 15:47	
1,2-Dichloropropane	ND	0.50	0.47	1	B8B0967	02/28/2018	02/28/18 15:47	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:47	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8B0967	02/28/2018	02/28/18 15:47	
1,3-Dichloropropane	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:47	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 15:47	
2,2-Dichloropropane	ND	0.50	0.23	1	B8B0967	02/28/2018	02/28/18 15:47	
2-Chlorotoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:47	
4-Chlorotoluene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 15:47	
4-Isopropyltoluene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:47	
Benzene	ND	0.50	0.21	1	B8B0967	02/28/2018	02/28/18 15:47	
Bromobenzene	ND	0.50	0.12	1	B8B0967	02/28/2018	02/28/18 15:47	
Bromodichloromethane	ND	0.50	0.32	1	B8B0967	02/28/2018	02/28/18 15:47	
Bromoform	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 15:47	
Bromomethane	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 15:47	
Carbon tetrachloride	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 15:47	
Chlorobenzene	ND	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 15:47	
Chloroethane	ND	0.50	0.29	1	B8B0967	02/28/2018	02/28/18 15:47	
Chloroform	**0.74**	0.50	0.16	1	B8B0967	02/28/2018	02/28/18 15:47	
Chloromethane	ND	0.50	0.19	1	B8B0967	02/28/2018	02/28/18 15:47	
cis-1,2-Dichloroethene	**7.1**	0.50	0.39	1	B8B0967	02/28/2018	02/28/18 15:47	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:47	
Dibromochloromethane	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 15:47	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-08

Lab ID: 1800785-12

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 15:47	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8B0967	02/28/2018	02/28/18 15:47	
Ethylbenzene	ND	0.50	0.08	1	B8B0967	02/28/2018	02/28/18 15:47	
Hexachlorobutadiene	ND	0.50	0.22	1	B8B0967	02/28/2018	02/28/18 15:47	
Isopropylbenzene	ND	0.50	0.10	1	B8B0967	02/28/2018	02/28/18 15:47	
m,p-Xylene	ND	1.0	0.18	1	B8B0967	02/28/2018	02/28/18 15:47	
Methylene chloride	ND	1.0	0.26	1	B8B0967	02/28/2018	02/28/18 15:47	
n-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:47	
n-Propylbenzene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 15:47	
Naphthalene	ND	0.50	0.09	1	B8B0967	02/28/2018	02/28/18 15:47	
o-Xylene	ND	0.50	0.04	1	B8B0967	02/28/2018	02/28/18 15:47	
sec-Butylbenzene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:47	
Styrene	ND	0.50	0.05	1	B8B0967	02/28/2018	02/28/18 15:47	
tert-Butylbenzene	ND	0.50	0.11	1	B8B0967	02/28/2018	02/28/18 15:47	
Tetrachloroethene	**0.49**	0.50	0.18	1	B8B0967	02/28/2018	02/28/18 15:47	J
Toluene	ND	0.50	0.14	1	B8B0967	02/28/2018	02/28/18 15:47	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8B0967	02/28/2018	02/28/18 15:47	
Trichloroethene	**140**	5.0	1.5	10	B8B0967	02/28/2018	02/28/18 16:19	
Trichlorofluoromethane	ND	0.50	0.33	1	B8B0967	02/28/2018	02/28/18 15:47	
Vinyl chloride	ND	0.50	0.25	1	B8B0967	02/28/2018	02/28/18 15:47	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 16:19*	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*74 - 132*			B8B0967	02/28/2018	*02/28/18 15:47*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 16:19*	
Surrogate: 4-Bromofluorobenzene	*95.4 %*	*82 - 123*			B8B0967	02/28/2018	*02/28/18 15:47*	
Surrogate: Dibromofluoromethane	*111 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 16:19*	
Surrogate: Dibromofluoromethane	*114 %*	*76 - 135*			B8B0967	02/28/2018	*02/28/18 15:47*	
Surrogate: Toluene-d8	*95.4 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 16:19*	
Surrogate: Toluene-d8	*94.4 %*	*85 - 125*			B8B0967	02/28/2018	*02/28/18 15:47*	

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Client Sample ID MW-08

Lab ID: 1800785-12

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**9.6**	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 18:52	
Surrogate: 1,2-Dichlorobenzene-d4	*80.4 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 18:52*	
Surrogate: 2-Fluorobiphenyl	*85.9 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 18:52*	
Surrogate: 4-Terphenyl-d14	*91.3 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 18:52*	
Surrogate: Nitrobenzene-d5	*76.1 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 18:52*	

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QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W										
Blank (B8B0967-BLK1)					Prepared: 2/28/2018 Analyzed: 2/28/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
Blank (B8B0967-BLK1) - Continued					Prepared: 2/28/2018 Analyzed: 2/28/2018					
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*26.28*			*25.0000*		*105*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.12*			*25.0000*		*92.5*	*82 - 123*			
Surrogate: Dibromofluoromethan	*27.54*			*25.0000*		*110*	*76 - 135*			
Surrogate: Toluene-d8	*24.81*			*25.0000*		*99.2*	*85 - 125*			
LCS (B8B0967-BS1)					Prepared: 2/28/2018 Analyzed: 2/28/2018					
1,1,1,2-Tetrachloroethane	24.7300	0.50	0.13	20.0000		124	73 - 136			
1,1,1-Trichloroethane	26.9700	0.50	0.38	20.0000		135	73 - 143			
1,1,2,2-Tetrachloroethane	19.4500	0.50	0.20	20.0000		97.2	62 - 127			
1,1,2-Trichloroethane	19.1500	0.50	0.19	20.0000		95.8	72 - 122			
1,1-Dichloroethane	22.2400	0.50	0.20	20.0000		111	73 - 138			
1,1-Dichloroethene	22.0400	0.50	0.28	20.0000		110	74 - 132			
1,1-Dichloropropene	23.3400	0.50	0.36	20.0000		117	70 - 143			
1,2,3-Trichloropropane	18.1300	0.50	0.16	20.0000		90.6	66 - 119			
1,2,3-Trichlorobenzene	20.6200	0.50	0.06	20.0000		103	70 - 131			
1,2,4-Trichlorobenzene	21.5500	0.50	0.07	20.0000		108	70 - 128			
1,2,4-Trimethylbenzene	22.2800	0.50	0.09	20.0000		111	74 - 142			
1,2-Dibromo-3-chloropropane	16.4700	0.50	0.20	20.0000		82.4	56 - 118			
1,2-Dibromoethane	20.3700	0.50	0.13	20.0000		102	73 - 122			
1,2-Dichlorobenzene	20.9500	0.50	0.12	20.0000		105	75 - 128			
1,2-Dichloroethane	19.2500	0.50	0.39	20.0000		96.2	70 - 131			
1,2-Dichloropropane	19.5100	0.50	0.47	20.0000		97.6	69 - 124			
1,3,5-Trimethylbenzene	22.0000	0.50	0.08	20.0000		110	73 - 144			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
LCS (B8B0967-BS1) - Continued					Prepared: 2/28/2018 Analyzed: 2/28/2018					
1,3-Dichlorobenzene	20.9800	0.50	0.13	20.0000		105	75 - 131			
1,3-Dichloropropane	20.2700	0.50	0.08	20.0000		101	70 - 122			
1,4-Dichlorobenzene	20.6500	0.50	0.18	20.0000		103	75 - 127			
2,2-Dichloropropane	27.8500	0.50	0.23	20.0000		139	68 - 151			
2-Chlorotoluene	21.3100	0.50	0.12	20.0000		107	72 - 138			
4-Chlorotoluene	21.6500	0.50	0.11	20.0000		108	72 - 140			
4-Isopropyltoluene	23.1200	0.50	0.12	20.0000		116	74 - 149			
Benzene	40.2600	0.50	0.21	40.0000		101	67 - 138			
Bromobenzene	21.0200	0.50	0.12	20.0000		105	73 - 127			
Bromodichloromethane	20.3300	0.50	0.32	20.0000		102	74 - 129			
Bromoform	20.4300	0.50	0.14	20.0000		102	63 - 131			
Bromomethane	17.1300	0.50	0.22	20.0000		85.6	57 - 216			
Carbon tetrachloride	23.6400	0.50	0.31	20.0000		118	77 - 151			
Chlorobenzene	21.0300	0.50	0.16	20.0000		105	73 - 125			
Chloroethane	24.2900	0.50	0.29	20.0000		121	54 - 154			
Chloroform	20.6800	0.50	0.16	20.0000		103	77 - 132			
Chloromethane	16.4500	0.50	0.19	20.0000		82.2	57 - 142			
cis-1,2-Dichloroethene	21.1200	0.50	0.39	20.0000		106	73 - 126			
cis-1,3-Dichloropropene	22.0800	0.50	0.08	20.0000		110	76 - 120			
Dibromochloromethane	23.4000	0.50	0.11	20.0000		117	71 - 126			
Dibromomethane	18.6000	0.50	0.09	20.0000		93.0	73 - 121			
Dichlorodifluoromethane	21.5700	0.50	0.31	20.0000		108	48 - 152			
Ethylbenzene	42.9400	0.50	0.08	40.0000		107	72 - 134			
Hexachlorobutadiene	23.7200	0.50	0.22	20.0000		119	72 - 139			
Isopropylbenzene	23.0400	0.50	0.10	20.0000		115	73 - 146			
m,p-Xylene	44.4000	1.0	0.18	40.0000		111	75 - 138			
Methylene chloride	23.3500	1.0	0.26	20.0000		117	52 - 154			
n-Butylbenzene	23.1800	0.50	0.15	20.0000		116	72 - 151			
n-Propylbenzene	22.4000	0.50	0.14	20.0000		112	69 - 149			
Naphthalene	18.8900	0.50	0.09	20.0000		94.4	61 - 122			
o-Xylene	45.0200	0.50	0.04	40.0000		113	66 - 147			
sec-Butylbenzene	22.8900	0.50	0.15	20.0000		114	72 - 148			
Styrene	22.7200	0.50	0.05	20.0000		114	72 - 138			
tert-Butylbenzene	22.6500	0.50	0.11	20.0000		113	70 - 145			
Tetrachloroethene	23.0700	0.50	0.18	20.0000		115	61 - 145			
Toluene	39.9000	0.50	0.14	40.0000		99.8	70 - 140			
trans-1,2-Dichloroethene	22.1600	0.50	0.15	20.0000		111	73 - 130			
Trichloroethene	20.6900	0.50	0.15	20.0000		103	69 - 126			
Trichlorofluoromethane	22.7200	0.50	0.33	20.0000		114	70 - 159			
Vinyl chloride	20.2900	0.50	0.25	20.0000		101	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*25.59*			*25.0000*		*102*	*74 - 132*			

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
LCS (B8B0967-BS1) - Continued						Prepared: 2/28/2018 Analyzed: 2/28/2018				
Surrogate: 4-Bromofluorobenzene	*25.72*			*25.0000*		*103*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.79*			*25.0000*		*103*	*76 - 135*			
Surrogate: Toluene-d8	*24.80*			*25.0000*		*99.2*	*85 - 125*			
LCS Dup (B8B0967-BSD1)						Prepared: 2/28/2018 Analyzed: 2/28/2018				
1,1,1,2-Tetrachloroethane	23.3600	0.50	0.13	20.0000		117	73 - 136	5.70	20	
1,1,1-Trichloroethane	25.2200	0.50	0.38	20.0000		126	73 - 143	6.71	20	
1,1,2,2-Tetrachloroethane	17.6200	0.50	0.20	20.0000		88.1	62 - 127	9.87	20	
1,1,2-Trichloroethane	20.0300	0.50	0.19	20.0000		100	72 - 122	4.49	20	
1,1-Dichloroethane	20.7200	0.50	0.20	20.0000		104	73 - 138	7.08	20	
1,1-Dichloroethene	21.1800	0.50	0.28	20.0000		106	74 - 132	3.98	20	
1,1-Dichloropropene	24.1600	0.50	0.36	20.0000		121	70 - 143	3.45	20	
1,2,3-Trichloropropane	17.0500	0.50	0.16	20.0000		85.2	66 - 119	6.14	20	
1,2,3-Trichlorobenzene	20.4400	0.50	0.06	20.0000		102	70 - 131	0.877	20	
1,2,4-Trichlorobenzene	21.0700	0.50	0.07	20.0000		105	70 - 128	2.25	20	
1,2,4-Trimethylbenzene	22.2700	0.50	0.09	20.0000		111	74 - 142	0.0449	20	
1,2-Dibromo-3-chloropropane	16.1500	0.50	0.20	20.0000		80.8	56 - 118	1.96	20	
1,2-Dibromoethane	20.5500	0.50	0.13	20.0000		103	73 - 122	0.880	20	
1,2-Dichlorobenzene	20.5700	0.50	0.12	20.0000		103	75 - 128	1.83	20	
1,2-Dichloroethane	19.4100	0.50	0.39	20.0000		97.0	70 - 131	0.828	20	
1,2-Dichloropropane	19.8400	0.50	0.47	20.0000		99.2	69 - 124	1.68	20	
1,3,5-Trimethylbenzene	22.1200	0.50	0.08	20.0000		111	73 - 144	0.544	20	
1,3-Dichlorobenzene	20.9300	0.50	0.13	20.0000		105	75 - 131	0.239	20	
1,3-Dichloropropane	19.8500	0.50	0.08	20.0000		99.2	70 - 122	2.09	20	
1,4-Dichlorobenzene	19.8400	0.50	0.18	20.0000		99.2	75 - 127	4.00	20	
2,2-Dichloropropane	24.6200	0.50	0.23	20.0000		123	68 - 151	12.3	20	
2-Chlorotoluene	21.2500	0.50	0.12	20.0000		106	72 - 138	0.282	20	
4-Chlorotoluene	21.1800	0.50	0.11	20.0000		106	72 - 140	2.19	20	
4-Isopropyltoluene	23.0700	0.50	0.12	20.0000		115	74 - 149	0.217	20	
Benzene	42.4100	0.50	0.21	40.0000		106	67 - 138	5.20	20	
Bromobenzene	20.6000	0.50	0.12	20.0000		103	73 - 127	2.02	20	
Bromodichloromethane	20.7600	0.50	0.32	20.0000		104	74 - 129	2.09	20	
Bromoform	18.7100	0.50	0.14	20.0000		93.6	63 - 131	8.79	20	
Bromomethane	18.1500	0.50	0.22	20.0000		90.8	57 - 216	5.78	20	
Carbon tetrachloride	24.3600	0.50	0.31	20.0000		122	77 - 151	3.00	20	
Chlorobenzene	21.1000	0.50	0.16	20.0000		106	73 - 125	0.332	20	
Chloroethane	23.1000	0.50	0.29	20.0000		116	54 - 154	5.02	20	
Chloroform	19.8900	0.50	0.16	20.0000		99.4	77 - 132	3.89	20	
Chloromethane	17.8400	0.50	0.19	20.0000		89.2	57 - 142	8.11	20	
cis-1,2-Dichloroethene	20.4700	0.50	0.39	20.0000		102	73 - 126	3.13	20	
cis-1,3-Dichloropropene	22.8800	0.50	0.08	20.0000		114	76 - 120	3.56	20	
Dibromochloromethane	22.5900	0.50	0.11	20.0000		113	71 - 126	3.52	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
LCS Dup (B8B0967-BSD1) - Continued					Prepared: 2/28/2018 Analyzed: 2/28/2018					
Dibromomethane	19.3700	0.50	0.09	20.0000		96.8	73 - 121	4.06	20	
Dichlorodifluoromethane	21.5800	0.50	0.31	20.0000		108	48 - 152	0.0464	20	
Ethylbenzene	43.3400	0.50	0.08	40.0000		108	72 - 134	0.927	20	
Hexachlorobutadiene	22.9300	0.50	0.22	20.0000		115	72 - 139	3.39	20	
Isopropylbenzene	22.5900	0.50	0.10	20.0000		113	73 - 146	1.97	20	
m,p-Xylene	45.8200	1.0	0.18	40.0000		115	75 - 138	3.15	20	
Methylene chloride	23.5200	1.0	0.26	20.0000		118	52 - 154	0.725	20	
n-Butylbenzene	23.0100	0.50	0.15	20.0000		115	72 - 151	0.736	20	
n-Propylbenzene	22.1300	0.50	0.14	20.0000		111	69 - 149	1.21	20	
Naphthalene	18.6400	0.50	0.09	20.0000		93.2	61 - 122	1.33	20	
o-Xylene	46.6200	0.50	0.04	40.0000		117	66 - 147	3.49	20	
sec-Butylbenzene	22.6800	0.50	0.15	20.0000		113	72 - 148	0.922	20	
Styrene	23.0600	0.50	0.05	20.0000		115	72 - 138	1.49	20	
tert-Butylbenzene	22.3200	0.50	0.11	20.0000		112	70 - 145	1.47	20	
Tetrachloroethene	21.7500	0.50	0.18	20.0000		109	61 - 145	5.89	20	
Toluene	43.4900	0.50	0.14	40.0000		109	70 - 140	8.61	20	
trans-1,2-Dichloroethene	21.5300	0.50	0.15	20.0000		108	73 - 130	2.88	20	
Trichloroethene	22.2800	0.50	0.15	20.0000		111	69 - 126	7.40	20	
Trichlorofluoromethane	21.4600	0.50	0.33	20.0000		107	70 - 159	5.70	20	
Vinyl chloride	20.8800	0.50	0.25	20.0000		104	56 - 151	2.87	20	
Surrogate: 1,2-Dichloroethane-d4	*24.21*			*25.0000*		*96.8*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*26.17*			*25.0000*		*105*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.96*			*25.0000*		*104*	*76 - 135*			
Surrogate: Toluene-d8	*25.47*			*25.0000*		*102*	*85 - 125*			
Matrix Spike (B8B0967-MS1)			**Source: 1800785-05RE1**		Prepared: 2/28/2018 Analyzed: 2/28/2018					
1,1,1,2-Tetrachloroethane	224.000	5.0	1.3	200.000	ND	112	73 - 136			
1,1,1-Trichloroethane	237.700	5.0	3.8	200.000	ND	119	73 - 143			
1,1,2,2-Tetrachloroethane	193.900	5.0	2.0	200.000	ND	97.0	62 - 127			
1,1,2-Trichloroethane	207.100	5.0	1.9	200.000	ND	104	72 - 122			
1,1-Dichloroethane	201.800	5.0	2.0	200.000	ND	101	73 - 138			
1,1-Dichloroethene	329.400	5.0	2.8	200.000	132.900	98.2	74 - 132			
1,1-Dichloropropene	226.000	5.0	3.6	200.000	ND	113	70 - 143			
1,2,3-Trichloropropane	180.000	5.0	1.6	200.000	ND	90.0	66 - 119			
1,2,3-Trichlorobenzene	196.600	5.0	0.61	200.000	ND	98.3	70 - 131			
1,2,4-Trichlorobenzene	199.200	5.0	0.67	200.000	ND	99.6	70 - 128			
1,2,4-Trimethylbenzene	207.400	5.0	0.86	200.000	ND	104	74 - 142			
1,2-Dibromo-3-chloropropane	181.900	5.0	2.0	200.000	ND	91.0	56 - 118			
1,2-Dibromoethane	219.500	5.0	1.3	200.000	ND	110	73 - 122			
1,2-Dichlorobenzene	202.100	5.0	1.2	200.000	ND	101	75 - 128			
1,2-Dichloroethane	197.400	5.0	3.9	200.000	ND	98.7	70 - 131			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
Matrix Spike (B8B0967-MS1) - Continued			**Source: 1800785-05RE1**		Prepared: 2/28/2018 Analyzed: 2/28/2018					
1,2-Dichloropropane	190.900	5.0	4.7	200.000	ND	95.4	69 - 124			
1,3,5-Trimethylbenzene	206.400	5.0	0.79	200.000	ND	103	73 - 144			
1,3-Dichlorobenzene	199.600	5.0	1.3	200.000	ND	99.8	75 - 131			
1,3-Dichloropropane	192.400	5.0	0.84	200.000	ND	96.2	70 - 122			
1,4-Dichlorobenzene	193.100	5.0	1.8	200.000	ND	96.6	75 - 127			
2,2-Dichloropropane	223.300	5.0	2.3	200.000	ND	112	68 - 151			
2-Chlorotoluene	198.700	5.0	1.2	200.000	ND	99.4	72 - 138			
4-Chlorotoluene	198.400	5.0	1.1	200.000	ND	99.2	72 - 140			
4-Isopropyltoluene	215.100	5.0	1.2	200.000	ND	108	74 - 149			
Benzene	407.200	5.0	2.1	400.000	ND	102	67 - 138			
Bromobenzene	197.800	5.0	1.2	200.000	ND	98.9	73 - 127			
Bromodichloromethane	203.700	5.0	3.2	200.000	ND	102	74 - 129			
Bromoform	193.900	5.0	1.4	200.000	ND	97.0	63 - 131			
Bromomethane	195.300	5.0	2.2	200.000	ND	97.6	57 - 216			
Carbon tetrachloride	225.500	5.0	3.1	200.000	ND	113	77 - 151			
Chlorobenzene	201.900	5.0	1.6	200.000	ND	101	73 - 125			
Chloroethane	220.600	5.0	2.9	200.000	ND	110	54 - 154			
Chloroform	192.200	5.0	1.6	200.000	ND	96.1	77 - 132			
Chloromethane	181.000	5.0	1.9	200.000	ND	90.5	57 - 142			
cis-1,2-Dichloroethene	201.700	5.0	3.9	200.000	4.10000	98.8	73 - 126			
cis-1,3-Dichloropropene	204.600	5.0	0.76	200.000	ND	102	76 - 120			
Dibromochloromethane	214.500	5.0	1.1	200.000	ND	107	71 - 126			
Dibromomethane	193.700	5.0	0.90	200.000	ND	96.8	73 - 121			
Dichlorodifluoromethane	204.800	5.0	3.1	200.000	ND	102	48 - 152			
Ethylbenzene	414.500	5.0	0.80	400.000	ND	104	72 - 134			
Hexachlorobutadiene	203.000	5.0	2.2	200.000	ND	102	72 - 139			
Isopropylbenzene	210.100	5.0	0.97	200.000	ND	105	73 - 146			
m,p-Xylene	434.300	10	1.8	400.000	ND	109	75 - 138			
Methylene chloride	229.100	10	2.6	200.000	ND	115	52 - 154			
n-Butylbenzene	209.400	5.0	1.5	200.000	ND	105	72 - 151			
n-Propylbenzene	207.800	5.0	1.4	200.000	ND	104	69 - 149			
Naphthalene	195.500	5.0	0.88	200.000	ND	97.8	61 - 122			
o-Xylene	436.100	5.0	0.43	400.000	ND	109	66 - 147			
sec-Butylbenzene	209.500	5.0	1.5	200.000	ND	105	72 - 148			
Styrene	220.600	5.0	0.50	200.000	ND	110	72 - 138			
tert-Butylbenzene	208.000	5.0	1.1	200.000	ND	104	70 - 145			
Tetrachloroethene	194.600	5.0	1.8	200.000	ND	97.3	61 - 145			
Toluene	407.400	5.0	1.4	400.000	ND	102	70 - 140			
trans-1,2-Dichloroethene	206.900	5.0	1.5	200.000	ND	103	73 - 130			
Trichloroethene	242.000	5.0	1.5	200.000	38.5000	102	69 - 126			
Trichlorofluoromethane	206.500	5.0	3.3	200.000	ND	103	70 - 159			
Vinyl chloride	195.400	5.0	2.5	200.000	ND	97.7	56 - 151			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
Matrix Spike (B8B0967-MS1) - Continued			**Source: 1800785-05RE1**			Prepared: 2/28/2018 Analyzed: 2/28/2018				
Surrogate: 1,2-Dichloroethane-d4	*25.06*			*25.0000*		*100*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*26.18*			*25.0000*		*105*	*82 - 123*			
Surrogate: Dibromofluoromethan	*26.08*			*25.0000*		*104*	*76 - 135*			
Surrogate: Toluene-d8	*26.23*			*25.0000*		*105*	*85 - 125*			
Matrix Spike Dup (B8B0967-MSD1)			**Source: 1800785-05RE1**			Prepared: 2/28/2018 Analyzed: 2/28/2018				
1,1,1,2-Tetrachloroethane	224.300	5.0	1.3	200.000	ND	112	73 - 136	0.134	20	
1,1,1-Trichloroethane	224.200	5.0	3.8	200.000	ND	112	73 - 143	5.85	20	
1,1,2,2-Tetrachloroethane	194.000	5.0	2.0	200.000	ND	97.0	62 - 127	0.0516	20	
1,1,2-Trichloroethane	189.700	5.0	1.9	200.000	ND	94.8	72 - 122	8.77	20	
1,1-Dichloroethane	201.000	5.0	2.0	200.000	ND	100	73 - 138	0.397	20	
1,1-Dichloroethene	345.000	5.0	2.8	200.000	132.900	106	74 - 132	4.63	20	
1,1-Dichloropropene	222.300	5.0	3.6	200.000	ND	111	70 - 143	1.65	20	
1,2,3-Trichloropropane	186.400	5.0	1.6	200.000	ND	93.2	66 - 119	3.49	20	
1,2,3-Trichlorobenzene	198.500	5.0	0.61	200.000	ND	99.2	70 - 131	0.962	20	
1,2,4-Trichlorobenzene	198.300	5.0	0.67	200.000	ND	99.2	70 - 128	0.453	20	
1,2,4-Trimethylbenzene	203.000	5.0	0.86	200.000	ND	102	74 - 142	2.14	20	
1,2-Dibromo-3-chloropropane	189.800	5.0	2.0	200.000	ND	94.9	56 - 118	4.25	20	
1,2-Dibromoethane	202.500	5.0	1.3	200.000	ND	101	73 - 122	8.06	20	
1,2-Dichlorobenzene	195.100	5.0	1.2	200.000	ND	97.6	75 - 128	3.52	20	
1,2-Dichloroethane	181.700	5.0	3.9	200.000	ND	90.8	70 - 131	8.28	20	
1,2-Dichloropropane	180.000	5.0	4.7	200.000	ND	90.0	69 - 124	5.88	20	
1,3,5-Trimethylbenzene	201.400	5.0	0.79	200.000	ND	101	73 - 144	2.45	20	
1,3-Dichlorobenzene	195.900	5.0	1.3	200.000	ND	98.0	75 - 131	1.87	20	
1,3-Dichloropropane	192.400	5.0	0.84	200.000	ND	96.2	70 - 122	0.00	20	
1,4-Dichlorobenzene	189.900	5.0	1.8	200.000	ND	95.0	75 - 127	1.67	20	
2,2-Dichloropropane	212.000	5.0	2.3	200.000	ND	106	68 - 151	5.19	20	
2-Chlorotoluene	194.900	5.0	1.2	200.000	ND	97.4	72 - 138	1.93	20	
4-Chlorotoluene	194.000	5.0	1.1	200.000	ND	97.0	72 - 140	2.24	20	
4-Isopropyltoluene	208.100	5.0	1.2	200.000	ND	104	74 - 149	3.31	20	
Benzene	379.500	5.0	2.1	400.000	ND	94.9	67 - 138	7.04	20	
Bromobenzene	194.600	5.0	1.2	200.000	ND	97.3	73 - 127	1.63	20	
Bromodichloromethane	193.400	5.0	3.2	200.000	ND	96.7	74 - 129	5.19	20	
Bromoform	199.200	5.0	1.4	200.000	ND	99.6	63 - 131	2.70	20	
Bromomethane	186.300	5.0	2.2	200.000	ND	93.2	57 - 216	4.72	20	
Carbon tetrachloride	216.500	5.0	3.1	200.000	ND	108	77 - 151	4.07	20	
Chlorobenzene	190.700	5.0	1.6	200.000	ND	95.4	73 - 125	5.71	20	
Chloroethane	207.100	5.0	2.9	200.000	ND	104	54 - 154	6.31	20	
Chloroform	192.300	5.0	1.6	200.000	ND	96.2	77 - 132	0.0520	20	
Chloromethane	163.800	5.0	1.9	200.000	ND	81.9	57 - 142	9.98	20	
cis-1,2-Dichloroethene	190.400	5.0	3.9	200.000	4.10000	93.2	73 - 126	5.76	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0967 - MSVOA_W (continued)										
Matrix Spike Dup (B8B0967-MSD1) - Continued			**Source: 1800785-05RE1**		Prepared: 2/28/2018 Analyzed: 2/28/2018					
cis-1,3-Dichloropropene	192.900	5.0	0.76	200.000	ND	96.4	76 - 120	5.89	20	
Dibromochloromethane	214.100	5.0	1.1	200.000	ND	107	71 - 126	0.187	20	
Dibromomethane	185.400	5.0	0.90	200.000	ND	92.7	73 - 121	4.38	20	
Dichlorodifluoromethane	197.400	5.0	3.1	200.000	ND	98.7	48 - 152	3.68	20	
Ethylbenzene	395.800	5.0	0.80	400.000	ND	99.0	72 - 134	4.62	20	
Hexachlorobutadiene	204.900	5.0	2.2	200.000	ND	102	72 - 139	0.932	20	
Isopropylbenzene	203.400	5.0	0.97	200.000	ND	102	73 - 146	3.24	20	
m,p-Xylene	409.900	10	1.8	400.000	ND	102	75 - 138	5.78	20	
Methylene chloride	216.500	10	2.6	200.000	ND	108	52 - 154	5.66	20	
n-Butylbenzene	202.400	5.0	1.5	200.000	ND	101	72 - 151	3.40	20	
n-Propylbenzene	201.200	5.0	1.4	200.000	ND	101	69 - 149	3.23	20	
Naphthalene	190.100	5.0	0.88	200.000	ND	95.0	61 - 122	2.80	20	
o-Xylene	407.800	5.0	0.43	400.000	ND	102	66 - 147	6.71	20	
sec-Butylbenzene	205.700	5.0	1.5	200.000	ND	103	72 - 148	1.83	20	
Styrene	208.300	5.0	0.50	200.000	ND	104	72 - 138	5.74	20	
tert-Butylbenzene	206.000	5.0	1.1	200.000	ND	103	70 - 145	0.966	20	
Tetrachloroethene	195.900	5.0	1.8	200.000	ND	98.0	61 - 145	0.666	20	
Toluene	373.100	5.0	1.4	400.000	ND	93.3	70 - 140	8.79	20	
trans-1,2-Dichloroethene	202.500	5.0	1.5	200.000	ND	101	73 - 130	2.15	20	
Trichloroethene	230.800	5.0	1.5	200.000	38.5000	96.2	69 - 126	4.74	20	
Trichlorofluoromethane	202.600	5.0	3.3	200.000	ND	101	70 - 159	1.91	20	
Vinyl chloride	190.400	5.0	2.5	200.000	ND	95.2	56 - 151	2.59	20	
Surrogate: 1,2-Dichloroethane-d4	*25.79*			*25.0000*		*103*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*26.10*			*25.0000*		*104*	*82 - 123*			
Surrogate: Dibromofluoromethan	*26.18*			*25.0000*		*105*	*76 - 135*			
Surrogate: Toluene-d8	*24.68*			*25.0000*		*98.7*	*85 - 125*			

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W										
Blank (B8C0015-BLK1)					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Blank (B8C0015-BLK1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*26.30*			*25.0000*		*105*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.66*			*25.0000*		*94.6*	*82 - 123*			
Surrogate: Dibromofluoromethan	*28.40*			*25.0000*		*114*	*76 - 135*			
Surrogate: Toluene-d8	*24.27*			*25.0000*		*97.1*	*85 - 125*			
LCS (B8C0015-BS1)					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	25.3400	0.50	0.13	20.0000		127	73 - 136			
1,1,1-Trichloroethane	25.9700	0.50	0.38	20.0000		130	73 - 143			
1,1,2,2-Tetrachloroethane	19.0800	0.50	0.20	20.0000		95.4	62 - 127			
1,1,2-Trichloroethane	19.4100	0.50	0.19	20.0000		97.0	72 - 122			
1,1-Dichloroethane	21.5200	0.50	0.20	20.0000		108	73 - 138			
1,1-Dichloroethene	21.6400	0.50	0.28	20.0000		108	74 - 132			
1,1-Dichloropropene	24.6700	0.50	0.36	20.0000		123	70 - 143			
1,2,3-Trichloropropane	17.5500	0.50	0.16	20.0000		87.8	66 - 119			
1,2,3-Trichlorobenzene	20.4400	0.50	0.06	20.0000		102	70 - 131			
1,2,4-Trichlorobenzene	21.2900	0.50	0.07	20.0000		106	70 - 128			
1,2,4-Trimethylbenzene	22.1200	0.50	0.09	20.0000		111	74 - 142			
1,2-Dibromo-3-chloropropane	17.1900	0.50	0.20	20.0000		86.0	56 - 118			
1,2-Dibromoethane	20.3800	0.50	0.13	20.0000		102	73 - 122			
1,2-Dichlorobenzene	20.9900	0.50	0.12	20.0000		105	75 - 128			
1,2-Dichloroethane	19.5800	0.50	0.39	20.0000		97.9	70 - 131			
1,2-Dichloropropane	19.3700	0.50	0.47	20.0000		96.8	69 - 124			
1,3,5-Trimethylbenzene	22.2300	0.50	0.08	20.0000		111	73 - 144			
1,3-Dichlorobenzene	21.2600	0.50	0.13	20.0000		106	75 - 131			
1,3-Dichloropropane	20.1800	0.50	0.08	20.0000		101	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
LCS (B8C0015-BS1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,4-Dichlorobenzene	20.5300	0.50	0.18	20.0000		103	75 - 127			
2,2-Dichloropropane	26.6100	0.50	0.23	20.0000		133	68 - 151			
2-Chlorotoluene	21.2800	0.50	0.12	20.0000		106	72 - 138			
4-Chlorotoluene	21.4500	0.50	0.11	20.0000		107	72 - 140			
4-Isopropyltoluene	23.1300	0.50	0.12	20.0000		116	74 - 149			
Benzene	41.9300	0.50	0.21	40.0000		105	67 - 138			
Bromobenzene	20.9700	0.50	0.12	20.0000		105	73 - 127			
Bromodichloromethane	21.1600	0.50	0.32	20.0000		106	74 - 129			
Bromoform	20.0600	0.50	0.14	20.0000		100	63 - 131			
Bromomethane	19.8300	0.50	0.22	20.0000		99.2	57 - 216			
Carbon tetrachloride	25.5200	0.50	0.31	20.0000		128	77 - 151			
Chlorobenzene	20.9600	0.50	0.16	20.0000		105	73 - 125			
Chloroethane	23.8000	0.50	0.29	20.0000		119	54 - 154			
Chloroform	19.8000	0.50	0.16	20.0000		99.0	77 - 132			
Chloromethane	19.0300	0.50	0.19	20.0000		95.2	57 - 142			
cis-1,2-Dichloroethene	20.3500	0.50	0.39	20.0000		102	73 - 126			
cis-1,3-Dichloropropene	22.8100	0.50	0.08	20.0000		114	76 - 120			
Dibromochloromethane	23.1000	0.50	0.11	20.0000		116	71 - 126			
Dibromomethane	19.0000	0.50	0.09	20.0000		95.0	73 - 121			
Dichlorodifluoromethane	20.7200	0.50	0.31	20.0000		104	48 - 152			
Ethylbenzene	43.3100	0.50	0.08	40.0000		108	72 - 134			
Hexachlorobutadiene	23.8000	0.50	0.22	20.0000		119	72 - 139			
Isopropylbenzene	23.0000	0.50	0.10	20.0000		115	73 - 146			
m,p-Xylene	44.4600	1.0	0.18	40.0000		111	75 - 138			
Methylene chloride	22.3100	1.0	0.26	20.0000		112	52 - 154			
n-Butylbenzene	23.2300	0.50	0.15	20.0000		116	72 - 151			
n-Propylbenzene	22.3800	0.50	0.14	20.0000		112	69 - 149			
Naphthalene	18.4900	0.50	0.09	20.0000		92.4	61 - 122			
o-Xylene	45.2500	0.50	0.04	40.0000		113	66 - 147			
sec-Butylbenzene	23.1100	0.50	0.15	20.0000		116	72 - 148			
Styrene	22.5800	0.50	0.05	20.0000		113	72 - 138			
tert-Butylbenzene	22.9500	0.50	0.11	20.0000		115	70 - 145			
Tetrachloroethene	22.4100	0.50	0.18	20.0000		112	61 - 145			
Toluene	41.0300	0.50	0.14	40.0000		103	70 - 140			
trans-1,2-Dichloroethene	22.2300	0.50	0.15	20.0000		111	73 - 130			
Trichloroethene	21.3100	0.50	0.15	20.0000		107	69 - 126			
Trichlorofluoromethane	22.2800	0.50	0.33	20.0000		111	70 - 159			
Vinyl chloride	20.2100	0.50	0.25	20.0000		101	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*23.14*			*25.0000*		*92.6*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*24.52*			*25.0000*		*98.1*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.62*			*25.0000*		*102*	*76 - 135*			

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San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
LCS (B8C0015-BS1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
Surrogate: Toluene-d8	*23.96*			*25.0000*		*95.8*	*85 - 125*			
LCS Dup (B8C0015-BSD1)					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	27.7000	0.50	0.13	20.0000		138	73 - 136	8.90	20	L4
1,1,1-Trichloroethane	25.2500	0.50	0.38	20.0000		126	73 - 143	2.81	20	
1,1,2,2-Tetrachloroethane	19.6600	0.50	0.20	20.0000		98.3	62 - 127	2.99	20	
1,1,2-Trichloroethane	18.4700	0.50	0.19	20.0000		92.4	72 - 122	4.96	20	
1,1-Dichloroethane	20.9700	0.50	0.20	20.0000		105	73 - 138	2.59	20	
1,1-Dichloroethene	21.6800	0.50	0.28	20.0000		108	74 - 132	0.185	20	
1,1-Dichloropropene	24.4800	0.50	0.36	20.0000		122	70 - 143	0.773	20	
1,2,3-Trichloropropane	17.9900	0.50	0.16	20.0000		90.0	66 - 119	2.48	20	
1,2,3-Trichlorobenzene	20.8700	0.50	0.06	20.0000		104	70 - 131	2.08	20	
1,2,4-Trichlorobenzene	20.7400	0.50	0.07	20.0000		104	70 - 128	2.62	20	
1,2,4-Trimethylbenzene	21.5600	0.50	0.09	20.0000		108	74 - 142	2.56	20	
1,2-Dibromo-3-chloropropane	21.5400	0.50	0.20	20.0000		108	56 - 118	22.5	20	R
1,2-Dibromoethane	20.6500	0.50	0.13	20.0000		103	73 - 122	1.32	20	
1,2-Dichlorobenzene	20.7900	0.50	0.12	20.0000		104	75 - 128	0.957	20	
1,2-Dichloroethane	19.9700	0.50	0.39	20.0000		99.8	70 - 131	1.97	20	
1,2-Dichloropropane	20.0800	0.50	0.47	20.0000		100	69 - 124	3.60	20	
1,3,5-Trimethylbenzene	21.3000	0.50	0.08	20.0000		106	73 - 144	4.27	20	
1,3-Dichlorobenzene	20.6300	0.50	0.13	20.0000		103	75 - 131	3.01	20	
1,3-Dichloropropane	20.7300	0.50	0.08	20.0000		104	70 - 122	2.69	20	
1,4-Dichlorobenzene	20.2900	0.50	0.18	20.0000		101	75 - 127	1.18	20	
2,2-Dichloropropane	25.0300	0.50	0.23	20.0000		125	68 - 151	6.12	20	
2-Chlorotoluene	20.5600	0.50	0.12	20.0000		103	72 - 138	3.44	20	
4-Chlorotoluene	20.5700	0.50	0.11	20.0000		103	72 - 140	4.19	20	
4-Isopropyltoluene	22.4700	0.50	0.12	20.0000		112	74 - 149	2.89	20	
Benzene	40.8500	0.50	0.21	40.0000		102	67 - 138	2.61	20	
Bromobenzene	20.5100	0.50	0.12	20.0000		103	73 - 127	2.22	20	
Bromodichloromethane	21.5300	0.50	0.32	20.0000		108	74 - 129	1.73	20	
Bromoform	27.8300	0.50	0.14	20.0000		139	63 - 131	32.4	20	L4
Bromomethane	19.9600	0.50	0.22	20.0000		99.8	57 - 216	0.653	20	
Carbon tetrachloride	24.4400	0.50	0.31	20.0000		122	77 - 151	4.32	20	
Chlorobenzene	20.6300	0.50	0.16	20.0000		103	73 - 125	1.59	20	
Chloroethane	21.9700	0.50	0.29	20.0000		110	54 - 154	8.00	20	
Chloroform	20.1300	0.50	0.16	20.0000		101	77 - 132	1.65	20	
Chloromethane	20.6900	0.50	0.19	20.0000		103	57 - 142	8.36	20	
cis-1,2-Dichloroethene	20.4500	0.50	0.39	20.0000		102	73 - 126	0.490	20	
cis-1,3-Dichloropropene	24.2100	0.50	0.08	20.0000		121	76 - 120	5.95	20	L4
Dibromochloromethane	28.7400	0.50	0.11	20.0000		144	71 - 126	21.8	20	L4
Dibromomethane	20.1400	0.50	0.09	20.0000		101	73 - 121	5.83	20	
Dichlorodifluoromethane	20.7700	0.50	0.31	20.0000		104	48 - 152	0.241	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
LCS Dup (B8C0015-BSD1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
Ethylbenzene	42.5300	0.50	0.08	40.0000		106	72 - 134	1.82	20	
Hexachlorobutadiene	21.9700	0.50	0.22	20.0000		110	72 - 139	8.00	20	
Isopropylbenzene	21.6800	0.50	0.10	20.0000		108	73 - 146	5.91	20	
m,p-Xylene	45.0600	1.0	0.18	40.0000		113	75 - 138	1.34	20	
Methylene chloride	23.1900	1.0	0.26	20.0000		116	52 - 154	3.87	20	
n-Butylbenzene	22.0300	0.50	0.15	20.0000		110	72 - 151	5.30	20	
n-Propylbenzene	21.2200	0.50	0.14	20.0000		106	69 - 149	5.32	20	
Naphthalene	19.5500	0.50	0.09	20.0000		97.8	61 - 122	5.57	20	
o-Xylene	45.0800	0.50	0.04	40.0000		113	66 - 147	0.376	20	
sec-Butylbenzene	21.6500	0.50	0.15	20.0000		108	72 - 148	6.52	20	
Styrene	22.9100	0.50	0.05	20.0000		115	72 - 138	1.45	20	
tert-Butylbenzene	21.8100	0.50	0.11	20.0000		109	70 - 145	5.09	20	
Tetrachloroethene	22.9300	0.50	0.18	20.0000		115	61 - 145	2.29	20	
Toluene	39.5400	0.50	0.14	40.0000		98.8	70 - 140	3.70	20	
trans-1,2-Dichloroethene	22.1700	0.50	0.15	20.0000		111	73 - 130	0.270	20	
Trichloroethene	21.5500	0.50	0.15	20.0000		108	69 - 126	1.12	20	
Trichlorofluoromethane	21.1100	0.50	0.33	20.0000		106	70 - 159	5.39	20	
Vinyl chloride	20.4400	0.50	0.25	20.0000		102	56 - 151	1.13	20	
Surrogate: 1,2-Dichloroethane-d4	*24.38*			*25.0000*		*97.5*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*26.41*			*25.0000*		*106*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.26*			*25.0000*		*101*	*76 - 135*			
Surrogate: Toluene-d8	*23.64*			*25.0000*		*94.6*	*85 - 125*			
Matrix Spike (B8C0015-MS1)			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	25.8100	0.50	0.13	20.0000	ND	129	73 - 136			
1,1,1-Trichloroethane	26.8800	0.50	0.38	20.0000	ND	134	73 - 143			
1,1,2,2-Tetrachloroethane	21.6100	0.50	0.20	20.0000	ND	108	62 - 127			
1,1,2-Trichloroethane	21.4800	0.50	0.19	20.0000	ND	107	72 - 122			
1,1-Dichloroethane	22.3600	0.50	0.20	20.0000	ND	112	73 - 138			
1,1-Dichloroethene	25.6000	0.50	0.28	20.0000	3.71000	109	74 - 132			
1,1-Dichloropropene	24.4400	0.50	0.36	20.0000	ND	122	70 - 143			
1,2,3-Trichloropropane	19.7100	0.50	0.16	20.0000	ND	98.6	66 - 119			
1,2,3-Trichlorobenzene	21.2100	0.50	0.06	20.0000	ND	106	70 - 131			
1,2,4-Trichlorobenzene	20.9100	0.50	0.07	20.0000	ND	105	70 - 128			
1,2,4-Trimethylbenzene	22.4800	0.50	0.09	20.0000	ND	112	74 - 142			
1,2-Dibromo-3-chloropropane	20.0000	0.50	0.20	20.0000	ND	100	56 - 118			
1,2-Dibromoethane	22.5500	0.50	0.13	20.0000	ND	113	73 - 122			
1,2-Dichlorobenzene	21.4300	0.50	0.12	20.0000	ND	107	75 - 128			
1,2-Dichloroethane	20.5400	0.50	0.39	20.0000	ND	103	70 - 131			
1,2-Dichloropropane	19.9900	0.50	0.47	20.0000	ND	100	69 - 124			
1,3,5-Trimethylbenzene	22.2100	0.50	0.08	20.0000	ND	111	73 - 144			

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San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Matrix Spike (B8C0015-MS1) - Continued			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,3-Dichlorobenzene	21.5200	0.50	0.13	20.0000	ND	108	75 - 131			
1,3-Dichloropropane	20.9500	0.50	0.08	20.0000	ND	105	70 - 122			
1,4-Dichlorobenzene	21.1200	0.50	0.18	20.0000	ND	106	75 - 127			
2,2-Dichloropropane	25.8900	0.50	0.23	20.0000	ND	129	68 - 151			
2-Chlorotoluene	21.5200	0.50	0.12	20.0000	ND	108	72 - 138			
4-Chlorotoluene	21.4900	0.50	0.11	20.0000	ND	107	72 - 140			
4-Isopropyltoluene	22.8800	0.50	0.12	20.0000	ND	114	74 - 149			
Benzene	42.0000	0.50	0.21	40.0000	ND	105	67 - 138			
Bromobenzene	21.6900	0.50	0.12	20.0000	ND	108	73 - 127			
Bromodichloromethane	22.6700	0.50	0.32	20.0000	ND	113	74 - 129			
Bromoform	22.8600	0.50	0.14	20.0000	ND	114	63 - 131			
Bromomethane	22.8000	0.50	0.22	20.0000	ND	114	57 - 216			
Carbon tetrachloride	27.5600	0.50	0.31	20.0000	ND	138	77 - 151			
Chlorobenzene	21.1100	0.50	0.16	20.0000	ND	106	73 - 125			
Chloroethane	22.8700	0.50	0.29	20.0000	ND	114	54 - 154			
Chloroform	21.4800	0.50	0.16	20.0000	0.790000	103	77 - 132			
Chloromethane	18.5500	0.50	0.19	20.0000	ND	92.8	57 - 142			
cis-1,2-Dichloroethene	21.1300	0.50	0.39	20.0000	ND	106	73 - 126			
cis-1,3-Dichloropropene	22.5600	0.50	0.08	20.0000	ND	113	76 - 120			
Dibromochloromethane	24.8300	0.50	0.11	20.0000	ND	124	71 - 126			
Dibromomethane	20.6500	0.50	0.09	20.0000	ND	103	73 - 121			
Dichlorodifluoromethane	19.6200	0.50	0.31	20.0000	ND	98.1	48 - 152			
Ethylbenzene	43.4700	0.50	0.08	40.0000	ND	109	72 - 134			
Hexachlorobutadiene	22.3600	0.50	0.22	20.0000	ND	112	72 - 139			
Isopropylbenzene	22.8800	0.50	0.10	20.0000	ND	114	73 - 146			
m,p-Xylene	45.2800	1.0	0.18	40.0000	ND	113	75 - 138			
Methylene chloride	22.7500	1.0	0.26	20.0000	ND	114	52 - 154			
n-Butylbenzene	22.6800	0.50	0.15	20.0000	ND	113	72 - 151			
n-Propylbenzene	22.5400	0.50	0.14	20.0000	ND	113	69 - 149			
Naphthalene	20.8100	0.50	0.09	20.0000	ND	104	61 - 122			
o-Xylene	45.6200	0.50	0.04	40.0000	ND	114	66 - 147			
sec-Butylbenzene	22.9100	0.50	0.15	20.0000	ND	115	72 - 148			
Styrene	22.7700	0.50	0.05	20.0000	ND	114	72 - 138			
tert-Butylbenzene	22.6800	0.50	0.11	20.0000	ND	113	70 - 145			
Tetrachloroethene	22.3200	0.50	0.18	20.0000	ND	112	61 - 145			
Toluene	41.7500	0.50	0.14	40.0000	ND	104	70 - 140			
trans-1,2-Dichloroethene	21.6200	0.50	0.15	20.0000	ND	108	73 - 130			
Trichloroethene	21.7700	0.50	0.15	20.0000	ND	109	69 - 126			
Trichlorofluoromethane	22.4400	0.50	0.33	20.0000	ND	112	70 - 159			
Vinyl chloride	20.4100	0.50	0.25	20.0000	ND	102	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*24.11*			*25.0000*		*96.4*	*74 - 132*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Matrix Spike (B8C0015-MS1) - Continued			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
Surrogate: 4-Bromofluorobenzene	*25.00*			*25.0000*		*100*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.63*			*25.0000*		*103*	*76 - 135*			
Surrogate: Toluene-d8	*24.42*			*25.0000*		*97.7*	*85 - 125*			
Matrix Spike Dup (B8C0015-MSD1)			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	26.5200	0.50	0.13	20.0000	ND	133	73 - 136	2.71	20	
1,1,1-Trichloroethane	27.3300	0.50	0.38	20.0000	ND	137	73 - 143	1.66	20	
1,1,2,2-Tetrachloroethane	22.1500	0.50	0.20	20.0000	ND	111	62 - 127	2.47	20	
1,1,2-Trichloroethane	20.4300	0.50	0.19	20.0000	ND	102	72 - 122	5.01	20	
1,1-Dichloroethane	22.7200	0.50	0.20	20.0000	ND	114	73 - 138	1.60	20	
1,1-Dichloroethene	25.6800	0.50	0.28	20.0000	3.71000	110	74 - 132	0.312	20	
1,1-Dichloropropene	24.3800	0.50	0.36	20.0000	ND	122	70 - 143	0.246	20	
1,2,3-Trichloropropane	20.2900	0.50	0.16	20.0000	ND	101	66 - 119	2.90	20	
1,2,3-Trichlorobenzene	21.4800	0.50	0.06	20.0000	ND	107	70 - 131	1.26	20	
1,2,4-Trichlorobenzene	21.5400	0.50	0.07	20.0000	ND	108	70 - 128	2.97	20	
1,2,4-Trimethylbenzene	22.3400	0.50	0.09	20.0000	ND	112	74 - 142	0.625	20	
1,2-Dibromo-3-chloropropane	19.6900	0.50	0.20	20.0000	ND	98.4	56 - 118	1.56	20	
1,2-Dibromoethane	21.9300	0.50	0.13	20.0000	ND	110	73 - 122	2.79	20	
1,2-Dichlorobenzene	21.7300	0.50	0.12	20.0000	ND	109	75 - 128	1.39	20	
1,2-Dichloroethane	20.0500	0.50	0.39	20.0000	ND	100	70 - 131	2.41	20	
1,2-Dichloropropane	19.7700	0.50	0.47	20.0000	ND	98.8	69 - 124	1.11	20	
1,3,5-Trimethylbenzene	22.1000	0.50	0.08	20.0000	ND	110	73 - 144	0.496	20	
1,3-Dichlorobenzene	21.2500	0.50	0.13	20.0000	ND	106	75 - 131	1.26	20	
1,3-Dichloropropane	21.2600	0.50	0.08	20.0000	ND	106	70 - 122	1.47	20	
1,4-Dichlorobenzene	20.9700	0.50	0.18	20.0000	ND	105	75 - 127	0.713	20	
2,2-Dichloropropane	25.7900	0.50	0.23	20.0000	ND	129	68 - 151	0.387	20	
2-Chlorotoluene	21.7000	0.50	0.12	20.0000	ND	108	72 - 138	0.833	20	
4-Chlorotoluene	21.7300	0.50	0.11	20.0000	ND	109	72 - 140	1.11	20	
4-Isopropyltoluene	23.0200	0.50	0.12	20.0000	ND	115	74 - 149	0.610	20	
Benzene	41.0100	0.50	0.21	40.0000	ND	103	67 - 138	2.39	20	
Bromobenzene	21.9200	0.50	0.12	20.0000	ND	110	73 - 127	1.05	20	
Bromodichloromethane	21.6600	0.50	0.32	20.0000	ND	108	74 - 129	4.56	20	
Bromoform	23.8000	0.50	0.14	20.0000	ND	119	63 - 131	4.03	20	
Bromomethane	22.3700	0.50	0.22	20.0000	ND	112	57 - 216	1.90	20	
Carbon tetrachloride	26.2800	0.50	0.31	20.0000	ND	131	77 - 151	4.75	20	
Chlorobenzene	21.7600	0.50	0.16	20.0000	ND	109	73 - 125	3.03	20	
Chloroethane	23.2900	0.50	0.29	20.0000	ND	116	54 - 154	1.82	20	
Chloroform	21.8100	0.50	0.16	20.0000	0.790000	105	77 - 132	1.52	20	
Chloromethane	19.7100	0.50	0.19	20.0000	ND	98.6	57 - 142	6.06	20	
cis-1,2-Dichloroethene	21.2800	0.50	0.39	20.0000	ND	106	73 - 126	0.707	20	
cis-1,3-Dichloropropene	21.5100	0.50	0.08	20.0000	ND	108	76 - 120	4.77	20	
Dibromochloromethane	25.5600	0.50	0.11	20.0000	ND	128	71 - 126	2.90	20	M2

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Matrix Spike Dup (B8C0015-MSD1) - Continued			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
Dibromomethane	20.2900	0.50	0.09	20.0000	ND	101	73 - 121	1.76	20	
Dichlorodifluoromethane	19.8200	0.50	0.31	20.0000	ND	99.1	48 - 152	1.01	20	
Ethylbenzene	43.4700	0.50	0.08	40.0000	ND	109	72 - 134	0.00	20	
Hexachlorobutadiene	22.8900	0.50	0.22	20.0000	ND	114	72 - 139	2.34	20	
Isopropylbenzene	22.9500	0.50	0.10	20.0000	ND	115	73 - 146	0.305	20	
m,p-Xylene	45.2200	1.0	0.18	40.0000	ND	113	75 - 138	0.133	20	
Methylene chloride	22.6100	1.0	0.26	20.0000	ND	113	52 - 154	0.617	20	
n-Butylbenzene	22.6000	0.50	0.15	20.0000	ND	113	72 - 151	0.353	20	
n-Propylbenzene	22.2900	0.50	0.14	20.0000	ND	111	69 - 149	1.12	20	
Naphthalene	21.0900	0.50	0.09	20.0000	ND	105	61 - 122	1.34	20	
o-Xylene	45.4700	0.50	0.04	40.0000	ND	114	66 - 147	0.329	20	
sec-Butylbenzene	22.8200	0.50	0.15	20.0000	ND	114	72 - 148	0.394	20	
Styrene	22.5200	0.50	0.05	20.0000	ND	113	72 - 138	1.10	20	
tert-Butylbenzene	22.9600	0.50	0.11	20.0000	ND	115	70 - 145	1.23	20	
Tetrachloroethene	22.7300	0.50	0.18	20.0000	ND	114	61 - 145	1.82	20	
Toluene	39.6300	0.50	0.14	40.0000	ND	99.1	70 - 140	5.21	20	
trans-1,2-Dichloroethene	21.9800	0.50	0.15	20.0000	ND	110	73 - 130	1.65	20	
Trichloroethene	20.9300	0.50	0.15	20.0000	ND	105	69 - 126	3.93	20	
Trichlorofluoromethane	22.5500	0.50	0.33	20.0000	ND	113	70 - 159	0.489	20	
Vinyl chloride	21.4300	0.50	0.25	20.0000	ND	107	56 - 151	4.88	20	
Surrogate: 1,2-Dichloroethane-d4	*24.74*			*25.0000*		*99.0*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*25.94*			*25.0000*		*104*	*82 - 123*			
Surrogate: Dibromofluoromethan	*26.87*			*25.0000*		*107*	*76 - 135*			
Surrogate: Toluene-d8	*23.89*			*25.0000*		*95.6*	*85 - 125*			

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W										
Blank (B8C0101-BLK1)					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
Blank (B8C0101-BLK1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*25.05*			*25.0000*		*100*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.82*			*25.0000*		*95.3*	*82 - 123*			
Surrogate: Dibromofluoromethan	*26.10*			*25.0000*		*104*	*76 - 135*			
Surrogate: Toluene-d8	*24.53*			*25.0000*		*98.1*	*85 - 125*			
LCS (B8C0101-BS1)					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,1,1,2-Tetrachloroethane	22.5500	0.50	0.13	20.0000		113	73 - 136			
1,1,1-Trichloroethane	22.3300	0.50	0.38	20.0000		112	73 - 143			
1,1,2,2-Tetrachloroethane	16.6800	0.50	0.20	20.0000		83.4	62 - 127			
1,1,2-Trichloroethane	18.7700	0.50	0.19	20.0000		93.8	72 - 122			
1,1-Dichloroethane	19.2500	0.50	0.20	20.0000		96.2	73 - 138			
1,1-Dichloroethene	19.4700	0.50	0.28	20.0000		97.4	74 - 132			
1,1-Dichloropropene	21.6500	0.50	0.36	20.0000		108	70 - 143			
1,2,3-Trichloropropane	16.1700	0.50	0.16	20.0000		80.8	66 - 119			
1,2,3-Trichlorobenzene	19.3600	0.50	0.06	20.0000		96.8	70 - 131			
1,2,4-Trichlorobenzene	19.5100	0.50	0.07	20.0000		97.6	70 - 128			
1,2,4-Trimethylbenzene	20.7800	0.50	0.09	20.0000		104	74 - 142			
1,2-Dibromo-3-chloropropane	16.0000	0.50	0.20	20.0000		80.0	56 - 118			
1,2-Dibromoethane	19.9700	0.50	0.13	20.0000		99.8	73 - 122			
1,2-Dichlorobenzene	19.8000	0.50	0.12	20.0000		99.0	75 - 128			
1,2-Dichloroethane	18.5200	0.50	0.39	20.0000		92.6	70 - 131			
1,2-Dichloropropane	18.3200	0.50	0.47	20.0000		91.6	69 - 124			
1,3,5-Trimethylbenzene	20.5600	0.50	0.08	20.0000		103	73 - 144			
1,3-Dichlorobenzene	19.8100	0.50	0.13	20.0000		99.0	75 - 131			
1,3-Dichloropropane	18.5000	0.50	0.08	20.0000		92.5	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
LCS (B8C0101-BS1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,4-Dichlorobenzene	19.4200	0.50	0.18	20.0000		97.1	75 - 127			
2,2-Dichloropropane	21.2200	0.50	0.23	20.0000		106	68 - 151			
2-Chlorotoluene	19.8400	0.50	0.12	20.0000		99.2	72 - 138			
4-Chlorotoluene	19.7900	0.50	0.11	20.0000		99.0	72 - 140			
4-Isopropyltoluene	21.6300	0.50	0.12	20.0000		108	74 - 149			
Benzene	38.6900	0.50	0.21	40.0000		96.7	67 - 138			
Bromobenzene	19.9800	0.50	0.12	20.0000		99.9	73 - 127			
Bromodichloromethane	19.8600	0.50	0.32	20.0000		99.3	74 - 129			
Bromoform	19.4500	0.50	0.14	20.0000		97.2	63 - 131			
Bromomethane	21.1300	0.50	0.22	20.0000		106	57 - 216			
Carbon tetrachloride	23.3500	0.50	0.31	20.0000		117	77 - 151			
Chlorobenzene	19.7600	0.50	0.16	20.0000		98.8	73 - 125			
Chloroethane	20.7200	0.50	0.29	20.0000		104	54 - 154			
Chloroform	17.5400	0.50	0.16	20.0000		87.7	77 - 132			
Chloromethane	20.0500	0.50	0.19	20.0000		100	57 - 142			
cis-1,2-Dichloroethene	18.0600	0.50	0.39	20.0000		90.3	73 - 126			
cis-1,3-Dichloropropene	21.8800	0.50	0.08	20.0000		109	76 - 120			
Dibromochloromethane	22.0100	0.50	0.11	20.0000		110	71 - 126			
Dibromomethane	17.7500	0.50	0.09	20.0000		88.8	73 - 121			
Dichlorodifluoromethane	18.2500	0.50	0.31	20.0000		91.2	48 - 152			
Ethylbenzene	40.4500	0.50	0.08	40.0000		101	72 - 134			
Hexachlorobutadiene	21.4200	0.50	0.22	20.0000		107	72 - 139			
Isopropylbenzene	21.1800	0.50	0.10	20.0000		106	73 - 146			
m,p-Xylene	42.3600	1.0	0.18	40.0000		106	75 - 138			
Methylene chloride	20.2200	1.0	0.26	20.0000		101	52 - 154			
n-Butylbenzene	20.9600	0.50	0.15	20.0000		105	72 - 151			
n-Propylbenzene	20.7900	0.50	0.14	20.0000		104	69 - 149			
Naphthalene	17.2600	0.50	0.09	20.0000		86.3	61 - 122			
o-Xylene	42.0400	0.50	0.04	40.0000		105	66 - 147			
sec-Butylbenzene	21.1300	0.50	0.15	20.0000		106	72 - 148			
Styrene	21.2900	0.50	0.05	20.0000		106	72 - 138			
tert-Butylbenzene	21.1700	0.50	0.11	20.0000		106	70 - 145			
Tetrachloroethene	20.8300	0.50	0.18	20.0000		104	61 - 145			
Toluene	38.6700	0.50	0.14	40.0000		96.7	70 - 140			
trans-1,2-Dichloroethene	19.3700	0.50	0.15	20.0000		96.8	73 - 130			
Trichloroethene	20.9200	0.50	0.15	20.0000		105	69 - 126			
Trichlorofluoromethane	19.0300	0.50	0.33	20.0000		95.2	70 - 159			
Vinyl chloride	18.7600	0.50	0.25	20.0000		93.8	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*21.74*			*25.0000*		*87.0*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*24.49*			*25.0000*		*98.0*	*82 - 123*			
Surrogate: Dibromofluoromethan	*23.75*			*25.0000*		*95.0*	*76 - 135*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
LCS (B8C0101-BS1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
Surrogate: Toluene-d8	*24.20*			*25.0000*		*96.8*	*85 - 125*			
LCS Dup (B8C0101-BSD1)					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,1,1,2-Tetrachloroethane	24.2900	0.50	0.13	20.0000		121	73 - 136	7.43	20	
1,1,1-Trichloroethane	24.3200	0.50	0.38	20.0000		122	73 - 143	8.53	20	
1,1,2,2-Tetrachloroethane	17.9400	0.50	0.20	20.0000		89.7	62 - 127	7.28	20	
1,1,2-Trichloroethane	17.8400	0.50	0.19	20.0000		89.2	72 - 122	5.08	20	
1,1-Dichloroethane	20.1000	0.50	0.20	20.0000		100	73 - 138	4.32	20	
1,1-Dichloroethene	20.6500	0.50	0.28	20.0000		103	74 - 132	5.88	20	
1,1-Dichloropropene	21.9800	0.50	0.36	20.0000		110	70 - 143	1.51	20	
1,2,3-Trichloropropane	17.3600	0.50	0.16	20.0000		86.8	66 - 119	7.10	20	
1,2,3-Trichlorobenzene	19.8200	0.50	0.06	20.0000		99.1	70 - 131	2.35	20	
1,2,4-Trichlorobenzene	20.0600	0.50	0.07	20.0000		100	70 - 128	2.78	20	
1,2,4-Trimethylbenzene	20.5700	0.50	0.09	20.0000		103	74 - 142	1.02	20	
1,2-Dibromo-3-chloropropane	16.8100	0.50	0.20	20.0000		84.0	56 - 118	4.94	20	
1,2-Dibromoethane	19.2900	0.50	0.13	20.0000		96.4	73 - 122	3.46	20	
1,2-Dichlorobenzene	19.7400	0.50	0.12	20.0000		98.7	75 - 128	0.303	20	
1,2-Dichloroethane	17.7800	0.50	0.39	20.0000		88.9	70 - 131	4.08	20	
1,2-Dichloropropane	18.2000	0.50	0.47	20.0000		91.0	69 - 124	0.657	20	
1,3,5-Trimethylbenzene	20.5900	0.50	0.08	20.0000		103	73 - 144	0.146	20	
1,3-Dichlorobenzene	19.8700	0.50	0.13	20.0000		99.4	75 - 131	0.302	20	
1,3-Dichloropropane	19.4500	0.50	0.08	20.0000		97.2	70 - 122	5.01	20	
1,4-Dichlorobenzene	19.1300	0.50	0.18	20.0000		95.6	75 - 127	1.50	20	
2,2-Dichloropropane	23.4600	0.50	0.23	20.0000		117	68 - 151	10.0	20	
2-Chlorotoluene	20.1000	0.50	0.12	20.0000		100	72 - 138	1.30	20	
4-Chlorotoluene	19.7900	0.50	0.11	20.0000		99.0	72 - 140	0.00	20	
4-Isopropyltoluene	21.7000	0.50	0.12	20.0000		108	74 - 149	0.323	20	
Benzene	38.2100	0.50	0.21	40.0000		95.5	67 - 138	1.25	20	
Bromobenzene	19.7700	0.50	0.12	20.0000		98.8	73 - 127	1.06	20	
Bromodichloromethane	19.4200	0.50	0.32	20.0000		97.1	74 - 129	2.24	20	
Bromoform	21.2400	0.50	0.14	20.0000		106	63 - 131	8.80	20	
Bromomethane	20.3100	0.50	0.22	20.0000		102	57 - 216	3.96	20	
Carbon tetrachloride	23.2100	0.50	0.31	20.0000		116	77 - 151	0.601	20	
Chlorobenzene	19.9400	0.50	0.16	20.0000		99.7	73 - 125	0.907	20	
Chloroethane	20.5300	0.50	0.29	20.0000		103	54 - 154	0.921	20	
Chloroform	19.0100	0.50	0.16	20.0000		95.0	77 - 132	8.04	20	
Chloromethane	19.0900	0.50	0.19	20.0000		95.4	57 - 142	4.91	20	
cis-1,2-Dichloroethene	18.9800	0.50	0.39	20.0000		94.9	73 - 126	4.97	20	
cis-1,3-Dichloropropene	21.1000	0.50	0.08	20.0000		106	76 - 120	3.63	20	
Dibromochloromethane	22.8300	0.50	0.11	20.0000		114	71 - 126	3.66	20	
Dibromomethane	18.0400	0.50	0.09	20.0000		90.2	73 - 121	1.62	20	
Dichlorodifluoromethane	18.6400	0.50	0.31	20.0000		93.2	48 - 152	2.11	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
LCS Dup (B8C0101-BSD1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
Ethylbenzene	40.2800	0.50	0.08	40.0000		101	72 - 134	0.421	20	
Hexachlorobutadiene	21.8700	0.50	0.22	20.0000		109	72 - 139	2.08	20	
Isopropylbenzene	21.4400	0.50	0.10	20.0000		107	73 - 146	1.22	20	
m,p-Xylene	41.0100	1.0	0.18	40.0000		103	75 - 138	3.24	20	
Methylene chloride	21.2100	1.0	0.26	20.0000		106	52 - 154	4.78	20	
n-Butylbenzene	21.0600	0.50	0.15	20.0000		105	72 - 151	0.476	20	
n-Propylbenzene	20.8400	0.50	0.14	20.0000		104	69 - 149	0.240	20	
Naphthalene	18.1400	0.50	0.09	20.0000		90.7	61 - 122	4.97	20	
o-Xylene	42.4300	0.50	0.04	40.0000		106	66 - 147	0.923	20	
sec-Butylbenzene	21.2900	0.50	0.15	20.0000		106	72 - 148	0.754	20	
Styrene	21.0900	0.50	0.05	20.0000		105	72 - 138	0.944	20	
tert-Butylbenzene	21.1800	0.50	0.11	20.0000		106	70 - 145	0.0472	20	
Tetrachloroethene	22.1300	0.50	0.18	20.0000		111	61 - 145	6.05	20	
Toluene	36.6200	0.50	0.14	40.0000		91.6	70 - 140	5.45	20	
trans-1,2-Dichloroethene	20.3400	0.50	0.15	20.0000		102	73 - 130	4.89	20	
Trichloroethene	20.2900	0.50	0.15	20.0000		101	69 - 126	3.06	20	
Trichlorofluoromethane	20.4000	0.50	0.33	20.0000		102	70 - 159	6.95	20	
Vinyl chloride	18.9500	0.50	0.25	20.0000		94.8	56 - 151	1.01	20	
Surrogate: 1,2-Dichloroethane-d4	*23.22*			*25.0000*		*92.9*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*24.84*			*25.0000*		*99.4*	*82 - 123*			
Surrogate: Dibromofluoromethan	*24.63*			*25.0000*		*98.5*	*76 - 135*			
Surrogate: Toluene-d8	*23.20*			*25.0000*		*92.8*	*85 - 125*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0143 - MSSEMI_W										
Blank (B8C0143-BLK1)					Prepared: 3/6/2018 Analyzed: 3/7/2018					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*67.38*			*100.000*		*67.4*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*91.04*			*100.000*		*91.0*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*101.1*			*100.000*		*101*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*64.05*			*100.000*		*64.0*	*19 - 111*			
LCS (B8C0143-BS1)					Prepared: 3/6/2018 Analyzed: 3/7/2018					
1,4-Dioxane	106.690	2.0	0.84	100.000		107	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*68.60*			*100.000*		*68.6*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*90.93*			*100.000*		*90.9*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*83.94*			*100.000*		*83.9*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*66.50*			*100.000*		*66.5*	*19 - 111*			
LCS Dup (B8C0143-BSD1)					Prepared: 3/6/2018 Analyzed: 3/7/2018					
1,4-Dioxane	108.840	2.0	0.84	100.000		109	85 - 121	2.00	20	
Surrogate: 1,2-Dichlorobenzene-d	*65.45*			*100.000*		*65.4*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*86.72*			*100.000*		*86.7*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*77.54*			*100.000*		*77.5*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*62.33*			*100.000*		*62.3*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0104 - MSSEMI_W										
Blank (B8C0104-BLK1)						Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.4028*			*1.00000*		*40.3*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.4503*			*1.00000*		*45.0*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*1.017*			*1.00000*		*102*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.4061*			*1.00000*		*40.6*	*17 - 123*			
LCS (B8C0104-BS1)						Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	0.949910	0.20	0.11	1.00000		95.0	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8664*			*1.00000*		*86.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9080*			*1.00000*		*90.8*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8012*			*1.00000*		*80.1*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7995*			*1.00000*		*79.9*	*17 - 123*			
Matrix Spike (B8C0104-MS1)			**Source: 1800785-05**			Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	2.72413	0.20	0.11	1.00000	1.40681	132	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8363*			*1.00000*		*83.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8828*			*1.00000*		*88.3*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8848*			*1.00000*		*88.5*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.8261*			*1.00000*		*82.6*	*17 - 123*			
Matrix Spike Dup (B8C0104-MSD1)			**Source: 1800785-05**			Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	2.76313	0.20	0.11	1.00000	1.40681	136	61 - 166	1.42	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.8238*			*1.00000*		*82.4*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8765*			*1.00000*		*87.6*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8980*			*1.00000*		*89.8*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7861*			*1.00000*		*78.6*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.		Project Number :	Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	03/09/2018

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 2/27/18
Page 1 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858.455.6500
Fax 858.455.6533

Sampled By: T. Evans

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	Groundwater	Lab prepared water	Hydrochloric Acid (HCl)	Ice	40-ml VOA	1 L Amber	VOCs by EPA 8260B	1,4 Dioxane 8270 SIM	1,4-Dioxane 8270 MOD	0 - 10	10- 100	100 - 1,000	>1,000	24 hr TAT	48 hr TAT	Standard TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1800785 -01	TB-022718A	2/27/18	730		X	X	X	2		X			X						X			Report J Flags
-02	MW-13		1000	X		X	X	3		X			X						X			
				X			X		1		X								X			
-03	MW-32A		1320	X		X	X	3		X			X						X			
				X			X		1		X								X			
-04	MW-32B_155V		1415	X		X	X	3		X				X					X			
				X			X		1		X								X			
-05	MW-32B		1420	X		X	X	9		X				X					X		X	
							X		3	X	X								X		X	
-06	MW-3200B		1500	X		X	X	3		X				X					X			
				X			X		1		X								X			
-07	MW-21		1605	X		X	X	3		X						X			X			
				X			X		1			X							X			
-08	MW-2100		1615	X		X	X	3		X						X			X			
		↓		X			X		1			X							X			

Total number of containers per analysis:

Total No. of Containers:

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
[signature] / H+A	2/27/18 1650	[signature] ATL	2/27/18 1650
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
[signature] ATL	2/27/18 1747	[signature] FedEx	2/27/18 1747

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

0.8, 1.2 Temperature on receipt

Laboratory
ATL
Attn: Rachelle Arada
3257 Walnut Ave
Signal Hill, CA 90755
562-989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.5400
snetto@hargis.com

Instructions
- Fill out form completely and sign only after verified for completeness
- Complete in ballpoint pen. Draw one line through error, initial and date correction
- Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
- Note applicable preservatives, special instructions, and deviations from typical environmental samples.
- Consult project QA documents for specific instructions.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 2/27/18
Page 2 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858.455.6500
Fax 858.455.6533

Sampled By: A DONNELLY, C. DIAZ

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	Expected Concetration Range (ppb) for VOA's: 0 - 10	Expected Concetration Range (ppb) for VOA's: 10- 100	Expected Concetration Range (ppb) for VOA's: 100 - 1,000	Expected Concetration Range (ppb) for VOA's: >1,000	SPECIAL HANDLING: 24 hr TAT	SPECIAL HANDLING: 48 hr TAT	SPECIAL HANDLING: Standard TAT	SPECIAL HANDLING: Level IV Data Validation Requested	SPECIAL HANDLING: MS/MSD Requested	REMARKS
1800785-09	MW-09	2/27/18	1106	X		X	X	3		X			X						X			Report J Flags
↓	↓	↓	↓	X			X		1		X								X			
-10	MW-15	↓	1435	X		X	X	3		X				X					X			
-11	RB-022718	↓	1505		X	X	X	3		X			X						X			
-12	MW-08	↓	1551	X		X	X	3		X					X				X			
↓	↓	↓	1551	X			X		1		X								X			

Total number of containers per analysis:

Total No. of Containers:

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
A Donnelly / H+A	2/27/18 1650	ATL	2/27/18 1650
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
ATL	2/27/18 1747	FedEx	2/27/18 1747

- ☐ No. of containers correct
- ☐ Received in good condition
- ☐ Custody seals secure
- ☐ Conforms to COC document

_____ Temperature on receipt

Laboratory

ATL
Attn: Rachelle Arada
3257 Walnut Ave
Signal Hill, CA 90755
562-989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.5400
snetto@hargis.com

Instructions

Fill out form completely and sign only after verified for completeness
Complete in ballpoint pen. Draw one line through error, initial and date correction
Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
Note applicable preservatives, special instructions, and deviations from typical environmental samples.
Consult project QA documents for specific instructions.

March 09, 2018

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1800800
Client Reference : Raytheon Main, 532.30

Enclosed are the results for sample(s) received on February 28, 2018 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-022818A	1800800-01	Lab Prepared Water	2/28/18 7:30	2/28/18 16:50
MW-35C	1800800-02	Groundwater	2/28/18 9:30	2/28/18 16:50
MW-35A	1800800-03	Groundwater	2/28/18 10:20	2/28/18 16:50
MW-35B	1800800-04	Groundwater	2/28/18 11:05	2/28/18 16:50
MW-30A	1800800-05	Groundwater	2/28/18 13:43	2/28/18 16:50
MW-30B	1800800-06	Groundwater	2/28/18 14:20	2/28/18 16:50
MW-3000B	1800800-07	Groundwater	2/28/18 14:30	2/28/18 16:50
MW-22	1800800-08	Groundwater	2/28/18 15:18	2/28/18 16:50
MW-28	1800800-09	Groundwater	2/28/18 16:02	2/28/18 16:50
P-07	1800800-10	Groundwater	2/28/18 8:40	2/28/18 16:50
P-09	1800800-11	Groundwater	2/28/18 10:35	2/28/18 16:50
RB-022818	1800800-12	Lab Prepared Water	2/28/18 10:55	2/28/18 16:50
MW-18	1800800-13	Groundwater	2/28/18 13:56	2/28/18 16:50
MW-20	1800800-14	Groundwater	2/28/18 16:06	2/28/18 16:50

CASE NARRATIVE

Results were J-flagged. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID TB-022818A

Lab ID: 1800800-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 19:49	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0015	03/01/2018	03/01/18 19:49	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 19:49	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 19:49	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 19:49	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0015	03/01/2018	03/01/18 19:49	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 19:49	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0015	03/01/2018	03/01/18 19:49	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 19:49	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 19:49	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 19:49	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 19:49	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0015	03/01/2018	03/01/18 19:49	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 19:49	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 19:49	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 19:49	
Benzene	ND	0.50	0.21	1	B8C0015	03/01/2018	03/01/18 19:49	
Bromobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 19:49	
Bromodichloromethane	ND	0.50	0.32	1	B8C0015	03/01/2018	03/01/18 19:49	
Bromoform	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 19:49	
Bromomethane	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 19:49	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 19:49	
Chlorobenzene	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 19:49	
Chloroethane	ND	0.50	0.29	1	B8C0015	03/01/2018	03/01/18 19:49	
Chloroform	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 19:49	
Chloromethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 19:49	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 19:49	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 19:49	
Dibromochloromethane	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 19:49	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID TB-022818A

Lab ID: 1800800-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 19:49	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 19:49	
Ethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 19:49	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 19:49	
Isopropylbenzene	ND	0.50	0.10	1	B8C0015	03/01/2018	03/01/18 19:49	
m,p-Xylene	ND	1.0	0.18	1	B8C0015	03/01/2018	03/01/18 19:49	
Methylene chloride	ND	1.0	0.26	1	B8C0015	03/01/2018	03/01/18 19:49	
n-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 19:49	
n-Propylbenzene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 19:49	
Naphthalene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 19:49	
o-Xylene	ND	0.50	0.04	1	B8C0015	03/01/2018	03/01/18 19:49	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 19:49	
Styrene	ND	0.50	0.05	1	B8C0015	03/01/2018	03/01/18 19:49	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 19:49	
Tetrachloroethene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 19:49	
Toluene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 19:49	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 19:49	
Trichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 19:49	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0015	03/01/2018	03/01/18 19:49	
Vinyl chloride	ND	0.50	0.25	1	B8C0015	03/01/2018	03/01/18 19:49	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*74 - 132*			B8C0015	03/01/2018	*03/01/18 19:49*	
Surrogate: 4-Bromofluorobenzene	*98.5 %*	*82 - 123*			B8C0015	03/01/2018	*03/01/18 19:49*	
Surrogate: Dibromofluoromethane	*108 %*	*76 - 135*			B8C0015	03/01/2018	*03/01/18 19:49*	
Surrogate: Toluene-d8	*96.8 %*	*85 - 125*			B8C0015	03/01/2018	*03/01/18 19:49*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35C

Lab ID: 1800800-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 15:11	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 15:11	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 15:11	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 15:11	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 15:11	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 15:11	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 15:11	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 15:11	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:11	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 15:11	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:11	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 15:11	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 15:11	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:11	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 15:11	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:11	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 15:11	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:11	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 15:11	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 15:11	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 15:11	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 15:11	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 15:11	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 15:11	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 15:11	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 15:11	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 15:11	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:11	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 15:11	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35C

Lab ID: 1800800-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 15:11	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 15:11	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:11	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 15:11	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 15:11	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 15:11	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 15:11	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:11	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 15:11	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 15:11	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 15:11	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:11	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 15:11	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 15:11	
Tetrachloroethene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 15:11	
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 15:11	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:11	
Trichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:11	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 15:11	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 15:11	
Surrogate: 1,2-Dichloroethane-d4	*89.3 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 15:11*	
Surrogate: 4-Bromofluorobenzene	*74.2 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 15:11*	S12
Surrogate: Dibromofluoromethane	*92.9 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 15:11*	
Surrogate: Toluene-d8	*79.5 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 15:11*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35C

Lab ID: 1800800-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 19:18	
Surrogate: 1,2-Dichlorobenzene-d4	*78.8 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 19:18*	
Surrogate: 2-Fluorobiphenyl	*86.8 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 19:18*	
Surrogate: 4-Terphenyl-d14	*82.7 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 19:18*	
Surrogate: Nitrobenzene-d5	*79.5 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 19:18*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35A

Lab ID: 1800800-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 15:36	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 15:36	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 15:36	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 15:36	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 15:36	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 15:36	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 15:36	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 15:36	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:36	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 15:36	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:36	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 15:36	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 15:36	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:36	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 15:36	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:36	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 15:36	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 15:36	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 15:36	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 15:36	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 15:36	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 15:36	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 15:36	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 15:36	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 15:36	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 15:36	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 15:36	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:36	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 15:36	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35A

Lab ID: 1800800-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 15:36	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 15:36	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 15:36	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 15:36	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 15:36	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 15:36	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 15:36	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:36	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 15:36	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 15:36	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 15:36	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:36	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 15:36	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 15:36	
Tetrachloroethene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 15:36	
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 15:36	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:36	
Trichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 15:36	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 15:36	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 15:36	
Surrogate: 1,2-Dichloroethane-d4	*86.3 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 15:36*	
Surrogate: 4-Bromofluorobenzene	*75.7 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 15:36*	S12
Surrogate: Dibromofluoromethane	*91.0 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 15:36*	
Surrogate: Toluene-d8	*78.1 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 15:36*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35A

Lab ID: 1800800-03

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/06/18 18:27	
Surrogate: 1,2-Dichlorobenzene-d4	*85.9 %*		*32 - 99*		B8C0104	03/05/2018	*03/06/18 18:27*	
Surrogate: 2-Fluorobiphenyl	*90.6 %*		*29 - 105*		B8C0104	03/05/2018	*03/06/18 18:27*	
Surrogate: 4-Terphenyl-d14	*82.9 %*		*32 - 119*		B8C0104	03/05/2018	*03/06/18 18:27*	
Surrogate: Nitrobenzene-d5	*76.7 %*		*17 - 123*		B8C0104	03/05/2018	*03/06/18 18:27*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35B

Lab ID: 1800800-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:01	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 16:01	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:01	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 16:01	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:01	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 16:01	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 16:01	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 16:01	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:01	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:01	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:01	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 16:01	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 16:01	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:01	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:01	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:01	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 16:01	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:01	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 16:01	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:01	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 16:01	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 16:01	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:01	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 16:01	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:01	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 16:01	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 16:01	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:01	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:01	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35B

Lab ID: 1800800-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:01	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 16:01	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:01	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 16:01	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 16:01	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 16:01	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 16:01	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:01	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:01	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:01	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 16:01	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:01	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 16:01	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:01	
Tetrachloroethene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 16:01	
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:01	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:01	
Trichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:01	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 16:01	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 16:01	
Surrogate: 1,2-Dichloroethane-d4	*82.0 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 16:01*	
Surrogate: 4-Bromofluorobenzene	*73.0 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 16:01*	S12
Surrogate: Dibromofluoromethane	*87.2 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 16:01*	
Surrogate: Toluene-d8	*76.0 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 16:01*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-35B

Lab ID: 1800800-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 20:12	
Surrogate: 1,2-Dichlorobenzene-d4	*89.9 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 20:12*	
Surrogate: 2-Fluorobiphenyl	*96.1 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 20:12*	
Surrogate: 4-Terphenyl-d14	*79.6 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 20:12*	
Surrogate: Nitrobenzene-d5	*81.1 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 20:12*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-30A

Lab ID: 1800800-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 22:17	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0015	03/01/2018	03/01/18 22:17	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 22:17	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 22:17	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 22:17	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0015	03/01/2018	03/01/18 22:17	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 22:17	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0015	03/01/2018	03/01/18 22:17	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 22:17	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 22:17	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 22:17	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 22:17	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0015	03/01/2018	03/01/18 22:17	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 22:17	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 22:17	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 22:17	
Benzene	ND	0.50	0.21	1	B8C0015	03/01/2018	03/01/18 22:17	
Bromobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 22:17	
Bromodichloromethane	ND	0.50	0.32	1	B8C0015	03/01/2018	03/01/18 22:17	
Bromoform	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 22:17	
Bromomethane	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 22:17	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 22:17	
Chlorobenzene	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 22:17	
Chloroethane	ND	0.50	0.29	1	B8C0015	03/01/2018	03/01/18 22:17	
Chloroform	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 22:17	
Chloromethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 22:17	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 22:17	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 22:17	
Dibromochloromethane	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 22:17	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-30A

Lab ID: 1800800-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 22:17	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 22:17	
Ethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 22:17	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 22:17	
Isopropylbenzene	ND	0.50	0.10	1	B8C0015	03/01/2018	03/01/18 22:17	
m,p-Xylene	ND	1.0	0.18	1	B8C0015	03/01/2018	03/01/18 22:17	
Methylene chloride	ND	1.0	0.26	1	B8C0015	03/01/2018	03/01/18 22:17	
n-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 22:17	
n-Propylbenzene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 22:17	
Naphthalene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 22:17	
o-Xylene	ND	0.50	0.04	1	B8C0015	03/01/2018	03/01/18 22:17	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 22:17	
Styrene	ND	0.50	0.05	1	B8C0015	03/01/2018	03/01/18 22:17	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 22:17	
Tetrachloroethene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 22:17	
Toluene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 22:17	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 22:17	
Trichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 22:17	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0015	03/01/2018	03/01/18 22:17	
Vinyl chloride	ND	0.50	0.25	1	B8C0015	03/01/2018	03/01/18 22:17	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*74 - 132*			B8C0015	03/01/2018	*03/01/18 22:17*	
Surrogate: 4-Bromofluorobenzene	*97.9 %*	*82 - 123*			B8C0015	03/01/2018	*03/01/18 22:17*	
Surrogate: Dibromofluoromethane	*110 %*	*76 - 135*			B8C0015	03/01/2018	*03/01/18 22:17*	
Surrogate: Toluene-d8	*101 %*	*85 - 125*			B8C0015	03/01/2018	*03/01/18 22:17*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-30A

Lab ID: 1800800-05

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 20:40	
Surrogate: 1,2-Dichlorobenzene-d4	*86.8 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 20:40*	
Surrogate: 2-Fluorobiphenyl	*93.2 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 20:40*	
Surrogate: 4-Terphenyl-d14	*89.8 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 20:40*	
Surrogate: Nitrobenzene-d5	*78.3 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 20:40*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-30B

Lab ID: 1800800-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 14:22	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 14:22	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 14:22	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 14:22	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 14:22	
1,1-Dichloroethene	**15**	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 14:22	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 14:22	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 14:22	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 14:22	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 14:22	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 14:22	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 14:22	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 14:22	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 14:22	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 14:22	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 14:22	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 14:22	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 14:22	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 14:22	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 14:22	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 14:22	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 14:22	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 14:22	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 14:22	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 14:22	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 14:22	
cis-1,2-Dichloroethene	**5.2**	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 14:22	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 14:22	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 14:22	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-30B

Lab ID: 1800800-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 14:22	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 14:22	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 14:22	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 14:22	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 14:22	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 14:22	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 14:22	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 14:22	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 14:22	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 14:22	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 14:22	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 14:22	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 14:22	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 14:22	
Tetrachloroethene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 14:22	
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 14:22	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 14:22	
Trichloroethene	**79**	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 14:22	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 14:22	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 14:22	
Surrogate: 1,2-Dichloroethane-d4	*92.7 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 14:22*	
Surrogate: 4-Bromofluorobenzene	*81.7 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 14:22*	S12
Surrogate: Dibromofluoromethane	*93.1 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 14:22*	
Surrogate: Toluene-d8	*80.2 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 14:22*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-30B

Lab ID: 1800800-06

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 21:07	
Surrogate: 1,2-Dichlorobenzene-d4	*89.6 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 21:07*	
Surrogate: 2-Fluorobiphenyl	*95.9 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 21:07*	
Surrogate: 4-Terphenyl-d14	*91.0 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 21:07*	
Surrogate: Nitrobenzene-d5	*80.0 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 21:07*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-3000B

Lab ID: 1800800-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 13:57	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 13:57	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 13:57	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 13:57	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 13:57	
1,1-Dichloroethene	**15**	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 13:57	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 13:57	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 13:57	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 13:57	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 13:57	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 13:57	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 13:57	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 13:57	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 13:57	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 13:57	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 13:57	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 13:57	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 13:57	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 13:57	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 13:57	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 13:57	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 13:57	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 13:57	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 13:57	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 13:57	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 13:57	
cis-1,2-Dichloroethene	**5.1**	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 13:57	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 13:57	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 13:57	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-3000B

Lab ID: 1800800-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 13:57	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 13:57	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 13:57	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 13:57	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 13:57	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 13:57	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 13:57	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 13:57	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 13:57	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 13:57	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 13:57	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 13:57	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 13:57	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 13:57	
Tetrachloroethene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 13:57	
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 13:57	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 13:57	
Trichloroethene	**77**	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 13:57	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 13:57	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 13:57	
Surrogate: 1,2-Dichloroethane-d4	*90.3 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 13:57*	
Surrogate: 4-Bromofluorobenzene	*81.4 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 13:57*	S12
Surrogate: Dibromofluoromethane	*93.6 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 13:57*	
Surrogate: Toluene-d8	*78.6 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 13:57*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-3000B

Lab ID: 1800800-07

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 21:34	
Surrogate: 1,2-Dichlorobenzene-d4	*85.9 %*	*32 - 99*			B8C0104	03/05/2018	*03/05/18 21:34*	
Surrogate: 2-Fluorobiphenyl	*92.1 %*	*29 - 105*			B8C0104	03/05/2018	*03/05/18 21:34*	
Surrogate: 4-Terphenyl-d14	*90.0 %*	*32 - 119*			B8C0104	03/05/2018	*03/05/18 21:34*	
Surrogate: Nitrobenzene-d5	*76.4 %*	*17 - 123*			B8C0104	03/05/2018	*03/05/18 21:34*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-22

Lab ID: 1800800-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:53	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0015	03/01/2018	03/01/18 21:53	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:53	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 21:53	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:53	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0015	03/01/2018	03/01/18 21:53	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 21:53	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0015	03/01/2018	03/01/18 21:53	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:53	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:53	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:53	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 21:53	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0015	03/01/2018	03/01/18 21:53	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:53	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:53	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:53	
Benzene	ND	0.50	0.21	1	B8C0015	03/01/2018	03/01/18 21:53	
Bromobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:53	
Bromodichloromethane	ND	0.50	0.32	1	B8C0015	03/01/2018	03/01/18 21:53	
Bromoform	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:53	
Bromomethane	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 21:53	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 21:53	
Chlorobenzene	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:53	
Chloroethane	ND	0.50	0.29	1	B8C0015	03/01/2018	03/01/18 21:53	
Chloroform	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:53	
Chloromethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 21:53	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 21:53	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:53	
Dibromochloromethane	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:53	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-22

Lab ID: 1800800-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:53	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 21:53	
Ethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:53	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 21:53	
Isopropylbenzene	ND	0.50	0.10	1	B8C0015	03/01/2018	03/01/18 21:53	
m,p-Xylene	ND	1.0	0.18	1	B8C0015	03/01/2018	03/01/18 21:53	
Methylene chloride	ND	1.0	0.26	1	B8C0015	03/01/2018	03/01/18 21:53	
n-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:53	
n-Propylbenzene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:53	
Naphthalene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:53	
o-Xylene	ND	0.50	0.04	1	B8C0015	03/01/2018	03/01/18 21:53	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:53	
Styrene	ND	0.50	0.05	1	B8C0015	03/01/2018	03/01/18 21:53	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:53	
Tetrachloroethene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 21:53	
Toluene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:53	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:53	
Trichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:53	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0015	03/01/2018	03/01/18 21:53	
Vinyl chloride	ND	0.50	0.25	1	B8C0015	03/01/2018	03/01/18 21:53	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*74 - 132*			B8C0015	03/01/2018	*03/01/18 21:53*	
Surrogate: 4-Bromofluorobenzene	*93.8 %*	*82 - 123*			B8C0015	03/01/2018	*03/01/18 21:53*	
Surrogate: Dibromofluoromethane	*110 %*	*76 - 135*			B8C0015	03/01/2018	*03/01/18 21:53*	
Surrogate: Toluene-d8	*97.8 %*	*85 - 125*			B8C0015	03/01/2018	*03/01/18 21:53*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-22

Lab ID: 1800800-08

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 22:01	
Surrogate: 1,2-Dichlorobenzene-d4	*81.1 %*		*32 - 99*		B8C0104	03/05/2018	*03/05/18 22:01*	
Surrogate: 2-Fluorobiphenyl	*87.7 %*		*29 - 105*		B8C0104	03/05/2018	*03/05/18 22:01*	
Surrogate: 4-Terphenyl-d14	*95.7 %*		*32 - 119*		B8C0104	03/05/2018	*03/05/18 22:01*	
Surrogate: Nitrobenzene-d5	*71.0 %*		*17 - 123*		B8C0104	03/05/2018	*03/05/18 22:01*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-28

Lab ID: 1800800-09

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:28	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0015	03/01/2018	03/01/18 21:28	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:28	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 21:28	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:28	
1,1-Dichloroethene	**0.49**	0.50	0.28	1	B8C0015	03/01/2018	03/01/18 21:28	J
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 21:28	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0015	03/01/2018	03/01/18 21:28	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:28	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:28	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:28	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 21:28	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0015	03/01/2018	03/01/18 21:28	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:28	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:28	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:28	
Benzene	ND	0.50	0.21	1	B8C0015	03/01/2018	03/01/18 21:28	
Bromobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:28	
Bromodichloromethane	ND	0.50	0.32	1	B8C0015	03/01/2018	03/01/18 21:28	
Bromoform	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:28	
Bromomethane	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 21:28	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 21:28	
Chlorobenzene	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:28	
Chloroethane	ND	0.50	0.29	1	B8C0015	03/01/2018	03/01/18 21:28	
Chloroform	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:28	
Chloromethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 21:28	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 21:28	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:28	
Dibromochloromethane	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:28	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-28

Lab ID: 1800800-09

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:28	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 21:28	
Ethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:28	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 21:28	
Isopropylbenzene	ND	0.50	0.10	1	B8C0015	03/01/2018	03/01/18 21:28	
m,p-Xylene	ND	1.0	0.18	1	B8C0015	03/01/2018	03/01/18 21:28	
Methylene chloride	ND	1.0	0.26	1	B8C0015	03/01/2018	03/01/18 21:28	
n-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:28	
n-Propylbenzene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:28	
Naphthalene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:28	
o-Xylene	ND	0.50	0.04	1	B8C0015	03/01/2018	03/01/18 21:28	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:28	
Styrene	ND	0.50	0.05	1	B8C0015	03/01/2018	03/01/18 21:28	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:28	
Tetrachloroethene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 21:28	
Toluene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:28	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:28	
Trichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:28	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0015	03/01/2018	03/01/18 21:28	
Vinyl chloride	ND	0.50	0.25	1	B8C0015	03/01/2018	03/01/18 21:28	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*74 - 132*			B8C0015	03/01/2018	*03/01/18 21:28*	
Surrogate: 4-Bromofluorobenzene	*94.7 %*	*82 - 123*			B8C0015	03/01/2018	*03/01/18 21:28*	
Surrogate: Dibromofluoromethane	*110 %*	*76 - 135*			B8C0015	03/01/2018	*03/01/18 21:28*	
Surrogate: Toluene-d8	*100 %*	*85 - 125*			B8C0015	03/01/2018	*03/01/18 21:28*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-28

Lab ID: 1800800-09

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**4.1**	0.20	0.11	1	B8C0104	03/05/2018	03/06/18 18:55	
Surrogate: 1,2-Dichlorobenzene-d4	*87.0 %*		*32 - 99*		B8C0104	03/05/2018	*03/06/18 18:55*	
Surrogate: 2-Fluorobiphenyl	*97.0 %*		*29 - 105*		B8C0104	03/05/2018	*03/06/18 18:55*	
Surrogate: 4-Terphenyl-d14	*83.2 %*		*32 - 119*		B8C0104	03/05/2018	*03/06/18 18:55*	
Surrogate: Nitrobenzene-d5	*82.9 %*		*17 - 123*		B8C0104	03/05/2018	*03/06/18 18:55*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID P-07

Lab ID: 1800800-10

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	2.5	0.66	5	B8C0101	03/05/2018	03/05/18 20:38	
1,1,1-Trichloroethane	ND	2.5	1.9	5	B8C0101	03/05/2018	03/05/18 20:38	
1,1,2,2-Tetrachloroethane	ND	2.5	0.98	5	B8C0101	03/05/2018	03/05/18 20:38	
1,1,2-Trichloroethane	**4.0**	2.5	0.95	5	B8C0101	03/05/2018	03/05/18 20:38	
1,1-Dichloroethane	**19**	2.5	0.98	5	B8C0101	03/05/2018	03/05/18 20:38	
1,1-Dichloroethene	**1900**	25	14	50	B8C0101	03/05/2018	03/05/18 21:03	
1,1-Dichloropropene	ND	2.5	1.8	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2,3-Trichloropropane	ND	2.5	0.78	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2,3-Trichlorobenzene	ND	2.5	0.30	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2,4-Trichlorobenzene	ND	2.5	0.34	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2,4-Trimethylbenzene	ND	2.5	0.43	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2-Dibromo-3-chloropropane	ND	2.5	0.98	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2-Dibromoethane	ND	2.5	0.66	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2-Dichlorobenzene	ND	2.5	0.58	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2-Dichloroethane	**4.4**	2.5	2.0	5	B8C0101	03/05/2018	03/05/18 20:38	
1,2-Dichloropropane	ND	2.5	2.4	5	B8C0101	03/05/2018	03/05/18 20:38	
1,3,5-Trimethylbenzene	ND	2.5	0.40	5	B8C0101	03/05/2018	03/05/18 20:38	
1,3-Dichlorobenzene	ND	2.5	0.64	5	B8C0101	03/05/2018	03/05/18 20:38	
1,3-Dichloropropane	ND	2.5	0.42	5	B8C0101	03/05/2018	03/05/18 20:38	
1,4-Dichlorobenzene	ND	2.5	0.92	5	B8C0101	03/05/2018	03/05/18 20:38	
2,2-Dichloropropane	ND	2.5	1.2	5	B8C0101	03/05/2018	03/05/18 20:38	
2-Chlorotoluene	ND	2.5	0.60	5	B8C0101	03/05/2018	03/05/18 20:38	
4-Chlorotoluene	ND	2.5	0.53	5	B8C0101	03/05/2018	03/05/18 20:38	
4-Isopropyltoluene	ND	2.5	0.60	5	B8C0101	03/05/2018	03/05/18 20:38	
Benzene	ND	2.5	1.0	5	B8C0101	03/05/2018	03/05/18 20:38	
Bromobenzene	ND	2.5	0.62	5	B8C0101	03/05/2018	03/05/18 20:38	
Bromodichloromethane	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 20:38	
Bromoform	ND	2.5	0.70	5	B8C0101	03/05/2018	03/05/18 20:38	
Bromomethane	ND	2.5	1.1	5	B8C0101	03/05/2018	03/05/18 20:38	
Carbon tetrachloride	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 20:38	
Chlorobenzene	ND	2.5	0.80	5	B8C0101	03/05/2018	03/05/18 20:38	
Chloroethane	ND	2.5	1.4	5	B8C0101	03/05/2018	03/05/18 20:38	
Chloroform	ND	2.5	0.82	5	B8C0101	03/05/2018	03/05/18 20:38	
Chloromethane	ND	2.5	0.94	5	B8C0101	03/05/2018	03/05/18 20:38	
cis-1,2-Dichloroethene	ND	2.5	2.0	5	B8C0101	03/05/2018	03/05/18 20:38	
cis-1,3-Dichloropropene	ND	2.5	0.38	5	B8C0101	03/05/2018	03/05/18 20:38	
Dibromochloromethane	ND	2.5	0.53	5	B8C0101	03/05/2018	03/05/18 20:38	

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Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID P-07

Lab ID: 1800800-10

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	2.5	0.45	5	B8C0101	03/05/2018	03/05/18 20:38	
Dichlorodifluoromethane	ND	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 20:38	
Ethylbenzene	ND	2.5	0.40	5	B8C0101	03/05/2018	03/05/18 20:38	
Hexachlorobutadiene	ND	2.5	1.1	5	B8C0101	03/05/2018	03/05/18 20:38	
Isopropylbenzene	ND	2.5	0.48	5	B8C0101	03/05/2018	03/05/18 20:38	
m,p-Xylene	ND	5.0	0.92	5	B8C0101	03/05/2018	03/05/18 20:38	
Methylene chloride	ND	5.0	1.3	5	B8C0101	03/05/2018	03/05/18 20:38	
n-Butylbenzene	ND	2.5	0.74	5	B8C0101	03/05/2018	03/05/18 20:38	
n-Propylbenzene	ND	2.5	0.69	5	B8C0101	03/05/2018	03/05/18 20:38	
Naphthalene	ND	2.5	0.44	5	B8C0101	03/05/2018	03/05/18 20:38	
o-Xylene	ND	2.5	0.22	5	B8C0101	03/05/2018	03/05/18 20:38	
sec-Butylbenzene	ND	2.5	0.74	5	B8C0101	03/05/2018	03/05/18 20:38	
Styrene	ND	2.5	0.25	5	B8C0101	03/05/2018	03/05/18 20:38	
tert-Butylbenzene	ND	2.5	0.55	5	B8C0101	03/05/2018	03/05/18 20:38	
Tetrachloroethene	**5.2**	2.5	0.92	5	B8C0101	03/05/2018	03/05/18 20:38	
Toluene	ND	2.5	0.68	5	B8C0101	03/05/2018	03/05/18 20:38	
trans-1,2-Dichloroethene	ND	2.5	0.74	5	B8C0101	03/05/2018	03/05/18 20:38	
Trichloroethene	**4.2**	2.5	0.73	5	B8C0101	03/05/2018	03/05/18 20:38	
Trichlorofluoromethane	**5.2**	2.5	1.6	5	B8C0101	03/05/2018	03/05/18 20:38	
Vinyl chloride	ND	2.5	1.3	5	B8C0101	03/05/2018	03/05/18 20:38	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*74 - 132*			B8C0101	03/05/2018	*03/05/18 21:03*	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*74 - 132*			B8C0101	03/05/2018	*03/05/18 20:38*	
Surrogate: 4-Bromofluorobenzene	*95.1 %*	*82 - 123*			B8C0101	03/05/2018	*03/05/18 21:03*	
Surrogate: 4-Bromofluorobenzene	*95.6 %*	*82 - 123*			B8C0101	03/05/2018	*03/05/18 20:38*	
Surrogate: Dibromofluoromethane	*106 %*	*76 - 135*			B8C0101	03/05/2018	*03/05/18 20:38*	
Surrogate: Dibromofluoromethane	*111 %*	*76 - 135*			B8C0101	03/05/2018	*03/05/18 21:03*	
Surrogate: Toluene-d8	*97.1 %*	*85 - 125*			B8C0101	03/05/2018	*03/05/18 21:03*	
Surrogate: Toluene-d8	*96.6 %*	*85 - 125*			B8C0101	03/05/2018	*03/05/18 20:38*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID P-07

Lab ID: 1800800-10

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**370**	0.20	0.11	1	B8C0104	03/05/2018	03/05/18 22:55	E
Surrogate: 1,2-Dichlorobenzene-d4	*90.3 %*	*32 - 99*			B8C0104	03/05/2018	*03/05/18 22:55*	
Surrogate: 2-Fluorobiphenyl	*101 %*	*29 - 105*			B8C0104	03/05/2018	*03/05/18 22:55*	
Surrogate: 4-Terphenyl-d14	*88.0 %*	*32 - 119*			B8C0104	03/05/2018	*03/05/18 22:55*	
Surrogate: Nitrobenzene-d5	*84.2 %*	*17 - 123*			B8C0104	03/05/2018	*03/05/18 22:55*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID P-09

Lab ID: 1800800-11

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:26	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 16:26	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:26	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 16:26	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:26	
1,1-Dichloroethene	**6.8**	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 16:26	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 16:26	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 16:26	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:26	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:26	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:26	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 16:26	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 16:26	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:26	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:26	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:26	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 16:26	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:26	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 16:26	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:26	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 16:26	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 16:26	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:26	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 16:26	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:26	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 16:26	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 16:26	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:26	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:26	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID P-09

Lab ID: 1800800-11

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:26	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 16:26	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:26	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 16:26	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 16:26	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 16:26	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 16:26	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:26	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:26	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:26	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 16:26	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:26	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 16:26	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:26	
Tetrachloroethene	**0.40**	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 16:26	J
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:26	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:26	
Trichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:26	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 16:26	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 16:26	
Surrogate: 1,2-Dichloroethane-d4	*79.6 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 16:26*	
Surrogate: 4-Bromofluorobenzene	*70.5 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 16:26*	S12
Surrogate: Dibromofluoromethane	*84.4 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 16:26*	
Surrogate: Toluene-d8	*73.4 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 16:26*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID P-09

Lab ID: 1800800-11

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**2.1**	0.20	0.11	1	B8C0104	03/05/2018	03/06/18 16:38	
Surrogate: 1,2-Dichlorobenzene-d4	*89.3 %*		*32 - 99*		B8C0104	03/05/2018	*03/06/18 16:38*	
Surrogate: 2-Fluorobiphenyl	*98.8 %*		*29 - 105*		B8C0104	03/05/2018	*03/06/18 16:38*	
Surrogate: 4-Terphenyl-d14	*79.7 %*		*32 - 119*		B8C0104	03/05/2018	*03/06/18 16:38*	
Surrogate: Nitrobenzene-d5	*83.2 %*		*17 - 123*		B8C0104	03/05/2018	*03/06/18 16:38*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID RB-022818

Lab ID: 1800800-12

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:51	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0054	03/02/2018	03/02/18 16:51	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:51	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 16:51	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:51	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0054	03/02/2018	03/02/18 16:51	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 16:51	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0054	03/02/2018	03/02/18 16:51	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:51	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0054	03/02/2018	03/02/18 16:51	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:51	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 16:51	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0054	03/02/2018	03/02/18 16:51	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:51	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:51	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:51	
Benzene	ND	0.50	0.21	1	B8C0054	03/02/2018	03/02/18 16:51	
Bromobenzene	ND	0.50	0.12	1	B8C0054	03/02/2018	03/02/18 16:51	
Bromodichloromethane	ND	0.50	0.32	1	B8C0054	03/02/2018	03/02/18 16:51	
Bromoform	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:51	
Bromomethane	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 16:51	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 16:51	
Chlorobenzene	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:51	
Chloroethane	ND	0.50	0.29	1	B8C0054	03/02/2018	03/02/18 16:51	
Chloroform	ND	0.50	0.16	1	B8C0054	03/02/2018	03/02/18 16:51	
Chloromethane	ND	0.50	0.19	1	B8C0054	03/02/2018	03/02/18 16:51	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0054	03/02/2018	03/02/18 16:51	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:51	
Dibromochloromethane	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:51	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID RB-022818

Lab ID: 1800800-12

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:51	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0054	03/02/2018	03/02/18 16:51	
Ethylbenzene	ND	0.50	0.08	1	B8C0054	03/02/2018	03/02/18 16:51	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0054	03/02/2018	03/02/18 16:51	
Isopropylbenzene	ND	0.50	0.10	1	B8C0054	03/02/2018	03/02/18 16:51	
m,p-Xylene	ND	1.0	0.18	1	B8C0054	03/02/2018	03/02/18 16:51	
Methylene chloride	ND	1.0	0.26	1	B8C0054	03/02/2018	03/02/18 16:51	
n-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:51	
n-Propylbenzene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:51	
Naphthalene	ND	0.50	0.09	1	B8C0054	03/02/2018	03/02/18 16:51	
o-Xylene	ND	0.50	0.04	1	B8C0054	03/02/2018	03/02/18 16:51	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:51	
Styrene	ND	0.50	0.05	1	B8C0054	03/02/2018	03/02/18 16:51	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0054	03/02/2018	03/02/18 16:51	
Tetrachloroethene	ND	0.50	0.18	1	B8C0054	03/02/2018	03/02/18 16:51	
Toluene	ND	0.50	0.14	1	B8C0054	03/02/2018	03/02/18 16:51	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:51	
Trichloroethene	ND	0.50	0.15	1	B8C0054	03/02/2018	03/02/18 16:51	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0054	03/02/2018	03/02/18 16:51	
Vinyl chloride	ND	0.50	0.25	1	B8C0054	03/02/2018	03/02/18 16:51	
Surrogate: 1,2-Dichloroethane-d4	*82.5 %*	*74 - 132*			B8C0054	03/02/2018	*03/02/18 16:51*	
Surrogate: 4-Bromofluorobenzene	*71.5 %*	*82 - 123*			B8C0054	03/02/2018	*03/02/18 16:51*	S12
Surrogate: Dibromofluoromethane	*83.7 %*	*76 - 135*			B8C0054	03/02/2018	*03/02/18 16:51*	
Surrogate: Toluene-d8	*75.4 %*	*85 - 125*			B8C0054	03/02/2018	*03/02/18 16:51*	S12

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID RB-022818

Lab ID: 1800800-12

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**1.6**	0.20	0.11	1	B8C0104	03/05/2018	03/06/18 17:06	
Surrogate: 1,2-Dichlorobenzene-d4	*78.2 %*	*32 - 99*			B8C0104	03/05/2018	*03/06/18 17:06*	
Surrogate: 2-Fluorobiphenyl	*86.6 %*	*29 - 105*			B8C0104	03/05/2018	*03/06/18 17:06*	
Surrogate: 4-Terphenyl-d14	*86.2 %*	*32 - 119*			B8C0104	03/05/2018	*03/06/18 17:06*	
Surrogate: Nitrobenzene-d5	*74.2 %*	*17 - 123*			B8C0104	03/05/2018	*03/06/18 17:06*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-18

Lab ID: 1800800-13

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:03	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0015	03/01/2018	03/01/18 21:03	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:03	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 21:03	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:03	
1,1-Dichloroethene	ND	0.50	0.28	1	B8C0015	03/01/2018	03/01/18 21:03	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 21:03	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0015	03/01/2018	03/01/18 21:03	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:03	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 21:03	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:03	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 21:03	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0015	03/01/2018	03/01/18 21:03	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:03	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:03	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:03	
Benzene	ND	0.50	0.21	1	B8C0015	03/01/2018	03/01/18 21:03	
Bromobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 21:03	
Bromodichloromethane	ND	0.50	0.32	1	B8C0015	03/01/2018	03/01/18 21:03	
Bromoform	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:03	
Bromomethane	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 21:03	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 21:03	
Chlorobenzene	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:03	
Chloroethane	ND	0.50	0.29	1	B8C0015	03/01/2018	03/01/18 21:03	
Chloroform	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 21:03	
Chloromethane	**0.44**	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 21:03	J
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 21:03	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:03	
Dibromochloromethane	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:03	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-18

Lab ID: 1800800-13

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:03	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 21:03	
Ethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 21:03	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 21:03	
Isopropylbenzene	ND	0.50	0.10	1	B8C0015	03/01/2018	03/01/18 21:03	
m,p-Xylene	ND	1.0	0.18	1	B8C0015	03/01/2018	03/01/18 21:03	
Methylene chloride	ND	1.0	0.26	1	B8C0015	03/01/2018	03/01/18 21:03	
n-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:03	
n-Propylbenzene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:03	
Naphthalene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 21:03	
o-Xylene	ND	0.50	0.04	1	B8C0015	03/01/2018	03/01/18 21:03	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:03	
Styrene	ND	0.50	0.05	1	B8C0015	03/01/2018	03/01/18 21:03	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 21:03	
Tetrachloroethene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 21:03	
Toluene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 21:03	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:03	
Trichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 21:03	
Trichlorofluoromethane	**1.5**	0.50	0.33	1	B8C0015	03/01/2018	03/01/18 21:03	
Vinyl chloride	ND	0.50	0.25	1	B8C0015	03/01/2018	03/01/18 21:03	
Surrogate: 1,2-Dichloroethane-d4	*105 %*		*74 - 132*		B8C0015	03/01/2018	*03/01/18 21:03*	
Surrogate: 4-Bromofluorobenzene	*94.0 %*		*82 - 123*		B8C0015	03/01/2018	*03/01/18 21:03*	
Surrogate: Dibromofluoromethane	*107 %*		*76 - 135*		B8C0015	03/01/2018	*03/01/18 21:03*	
Surrogate: Toluene-d8	*99.3 %*		*85 - 125*		B8C0015	03/01/2018	*03/01/18 21:03*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-18

Lab ID: 1800800-13

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**2.3**	0.20	0.11	1	B8C0104	03/05/2018	03/06/18 17:33	
Surrogate: 1,2-Dichlorobenzene-d4	*86.7 %*		*32 - 99*		B8C0104	03/05/2018	*03/06/18 17:33*	
Surrogate: 2-Fluorobiphenyl	*98.6 %*		*29 - 105*		B8C0104	03/05/2018	*03/06/18 17:33*	
Surrogate: 4-Terphenyl-d14	*93.5 %*		*32 - 119*		B8C0104	03/05/2018	*03/06/18 17:33*	
Surrogate: Nitrobenzene-d5	*85.3 %*		*17 - 123*		B8C0104	03/05/2018	*03/06/18 17:33*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-20

Lab ID: 1800800-14

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 20:38	
1,1,1-Trichloroethane	ND	0.50	0.38	1	B8C0015	03/01/2018	03/01/18 20:38	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 20:38	
1,1,2-Trichloroethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 20:38	
1,1-Dichloroethane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 20:38	
1,1-Dichloroethene	**3.7**	0.50	0.28	1	B8C0015	03/01/2018	03/01/18 20:38	
1,1-Dichloropropene	ND	0.50	0.36	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2,3-Trichloropropane	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2,3-Trichlorobenzene	ND	0.50	0.06	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2,4-Trichlorobenzene	ND	0.50	0.07	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2,4-Trimethylbenzene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2-Dibromoethane	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2-Dichlorobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2-Dichloroethane	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 20:38	
1,2-Dichloropropane	ND	0.50	0.47	1	B8C0015	03/01/2018	03/01/18 20:38	
1,3,5-Trimethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 20:38	
1,3-Dichlorobenzene	ND	0.50	0.13	1	B8C0015	03/01/2018	03/01/18 20:38	
1,3-Dichloropropane	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 20:38	
1,4-Dichlorobenzene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 20:38	
2,2-Dichloropropane	ND	0.50	0.23	1	B8C0015	03/01/2018	03/01/18 20:38	
2-Chlorotoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 20:38	
4-Chlorotoluene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 20:38	
4-Isopropyltoluene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 20:38	
Benzene	ND	0.50	0.21	1	B8C0015	03/01/2018	03/01/18 20:38	
Bromobenzene	ND	0.50	0.12	1	B8C0015	03/01/2018	03/01/18 20:38	
Bromodichloromethane	ND	0.50	0.32	1	B8C0015	03/01/2018	03/01/18 20:38	
Bromoform	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 20:38	
Bromomethane	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 20:38	
Carbon tetrachloride	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 20:38	
Chlorobenzene	ND	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 20:38	
Chloroethane	ND	0.50	0.29	1	B8C0015	03/01/2018	03/01/18 20:38	
Chloroform	**0.79**	0.50	0.16	1	B8C0015	03/01/2018	03/01/18 20:38	
Chloromethane	ND	0.50	0.19	1	B8C0015	03/01/2018	03/01/18 20:38	
cis-1,2-Dichloroethene	ND	0.50	0.39	1	B8C0015	03/01/2018	03/01/18 20:38	
cis-1,3-Dichloropropene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 20:38	
Dibromochloromethane	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 20:38	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-20

Lab ID: 1800800-14

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 20:38	
Dichlorodifluoromethane	ND	0.50	0.31	1	B8C0015	03/01/2018	03/01/18 20:38	
Ethylbenzene	ND	0.50	0.08	1	B8C0015	03/01/2018	03/01/18 20:38	
Hexachlorobutadiene	ND	0.50	0.22	1	B8C0015	03/01/2018	03/01/18 20:38	
Isopropylbenzene	ND	0.50	0.10	1	B8C0015	03/01/2018	03/01/18 20:38	
m,p-Xylene	ND	1.0	0.18	1	B8C0015	03/01/2018	03/01/18 20:38	
Methylene chloride	ND	1.0	0.26	1	B8C0015	03/01/2018	03/01/18 20:38	
n-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 20:38	
n-Propylbenzene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 20:38	
Naphthalene	ND	0.50	0.09	1	B8C0015	03/01/2018	03/01/18 20:38	
o-Xylene	ND	0.50	0.04	1	B8C0015	03/01/2018	03/01/18 20:38	
sec-Butylbenzene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 20:38	
Styrene	ND	0.50	0.05	1	B8C0015	03/01/2018	03/01/18 20:38	
tert-Butylbenzene	ND	0.50	0.11	1	B8C0015	03/01/2018	03/01/18 20:38	
Tetrachloroethene	ND	0.50	0.18	1	B8C0015	03/01/2018	03/01/18 20:38	
Toluene	ND	0.50	0.14	1	B8C0015	03/01/2018	03/01/18 20:38	
trans-1,2-Dichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 20:38	
Trichloroethene	ND	0.50	0.15	1	B8C0015	03/01/2018	03/01/18 20:38	
Trichlorofluoromethane	ND	0.50	0.33	1	B8C0015	03/01/2018	03/01/18 20:38	
Vinyl chloride	ND	0.50	0.25	1	B8C0015	03/01/2018	03/01/18 20:38	
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*74 - 132*			B8C0015	03/01/2018	*03/01/18 20:38*	
Surrogate: 4-Bromofluorobenzene	*94.6 %*	*82 - 123*			B8C0015	03/01/2018	*03/01/18 20:38*	
Surrogate: Dibromofluoromethane	*103 %*	*76 - 135*			B8C0015	03/01/2018	*03/01/18 20:38*	
Surrogate: Toluene-d8	*95.2 %*	*85 - 125*			B8C0015	03/01/2018	*03/01/18 20:38*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Client Sample ID MW-20

Lab ID: 1800800-14

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**2.8**	0.20	0.11	1	B8C0111	03/05/2018	03/08/18 00:39	
Surrogate: 1,2-Dichlorobenzene-d4	*89.6 %*	*32 - 99*			B8C0111	03/05/2018	*03/08/18 00:39*	
Surrogate: 2-Fluorobiphenyl	*105 %*	*29 - 105*			B8C0111	03/05/2018	*03/08/18 00:39*	
Surrogate: 4-Terphenyl-d14	*85.5 %*	*32 - 119*			B8C0111	03/05/2018	*03/08/18 00:39*	
Surrogate: Nitrobenzene-d5	*92.4 %*	*17 - 123*			B8C0111	03/05/2018	*03/08/18 00:39*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W										
Blank (B8C0015-BLK1)					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Blank (B8C0015-BLK1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*26.30*			*25.0000*		*105*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.66*			*25.0000*		*94.6*	*82 - 123*			
Surrogate: Dibromofluoromethan	*28.40*			*25.0000*		*114*	*76 - 135*			
Surrogate: Toluene-d8	*24.27*			*25.0000*		*97.1*	*85 - 125*			
LCS (B8C0015-BS1)					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	25.3400	0.50	0.13	20.0000		127	73 - 136			
1,1,1-Trichloroethane	25.9700	0.50	0.38	20.0000		130	73 - 143			
1,1,2,2-Tetrachloroethane	19.0800	0.50	0.20	20.0000		95.4	62 - 127			
1,1,2-Trichloroethane	19.4100	0.50	0.19	20.0000		97.0	72 - 122			
1,1-Dichloroethane	21.5200	0.50	0.20	20.0000		108	73 - 138			
1,1-Dichloroethene	21.6400	0.50	0.28	20.0000		108	74 - 132			
1,1-Dichloropropene	24.6700	0.50	0.36	20.0000		123	70 - 143			
1,2,3-Trichloropropane	17.5500	0.50	0.16	20.0000		87.8	66 - 119			
1,2,3-Trichlorobenzene	20.4400	0.50	0.06	20.0000		102	70 - 131			
1,2,4-Trichlorobenzene	21.2900	0.50	0.07	20.0000		106	70 - 128			
1,2,4-Trimethylbenzene	22.1200	0.50	0.09	20.0000		111	74 - 142			
1,2-Dibromo-3-chloropropane	17.1900	0.50	0.20	20.0000		86.0	56 - 118			
1,2-Dibromoethane	20.3800	0.50	0.13	20.0000		102	73 - 122			
1,2-Dichlorobenzene	20.9900	0.50	0.12	20.0000		105	75 - 128			
1,2-Dichloroethane	19.5800	0.50	0.39	20.0000		97.9	70 - 131			
1,2-Dichloropropane	19.3700	0.50	0.47	20.0000		96.8	69 - 124			
1,3,5-Trimethylbenzene	22.2300	0.50	0.08	20.0000		111	73 - 144			

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San Diego , CA 92122	Reported : 03/09/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
LCS (B8C0015-BS1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,3-Dichlorobenzene	21.2600	0.50	0.13	20.0000		106	75 - 131			
1,3-Dichloropropane	20.1800	0.50	0.08	20.0000		101	70 - 122			
1,4-Dichlorobenzene	20.5300	0.50	0.18	20.0000		103	75 - 127			
2,2-Dichloropropane	26.6100	0.50	0.23	20.0000		133	68 - 151			
2-Chlorotoluene	21.2800	0.50	0.12	20.0000		106	72 - 138			
4-Chlorotoluene	21.4500	0.50	0.11	20.0000		107	72 - 140			
4-Isopropyltoluene	23.1300	0.50	0.12	20.0000		116	74 - 149			
Benzene	41.9300	0.50	0.21	40.0000		105	67 - 138			
Bromobenzene	20.9700	0.50	0.12	20.0000		105	73 - 127			
Bromodichloromethane	21.1600	0.50	0.32	20.0000		106	74 - 129			
Bromoform	20.0600	0.50	0.14	20.0000		100	63 - 131			
Bromomethane	19.8300	0.50	0.22	20.0000		99.2	57 - 216			
Carbon tetrachloride	25.5200	0.50	0.31	20.0000		128	77 - 151			
Chlorobenzene	20.9600	0.50	0.16	20.0000		105	73 - 125			
Chloroethane	23.8000	0.50	0.29	20.0000		119	54 - 154			
Chloroform	19.8000	0.50	0.16	20.0000		99.0	77 - 132			
Chloromethane	19.0300	0.50	0.19	20.0000		95.2	57 - 142			
cis-1,2-Dichloroethene	20.3500	0.50	0.39	20.0000		102	73 - 126			
cis-1,3-Dichloropropene	22.8100	0.50	0.08	20.0000		114	76 - 120			
Dibromochloromethane	23.1000	0.50	0.11	20.0000		116	71 - 126			
Dibromomethane	19.0000	0.50	0.09	20.0000		95.0	73 - 121			
Dichlorodifluoromethane	20.7200	0.50	0.31	20.0000		104	48 - 152			
Ethylbenzene	43.3100	0.50	0.08	40.0000		108	72 - 134			
Hexachlorobutadiene	23.8000	0.50	0.22	20.0000		119	72 - 139			
Isopropylbenzene	23.0000	0.50	0.10	20.0000		115	73 - 146			
m,p-Xylene	44.4600	1.0	0.18	40.0000		111	75 - 138			
Methylene chloride	22.3100	1.0	0.26	20.0000		112	52 - 154			
n-Butylbenzene	23.2300	0.50	0.15	20.0000		116	72 - 151			
n-Propylbenzene	22.3800	0.50	0.14	20.0000		112	69 - 149			
Naphthalene	18.4900	0.50	0.09	20.0000		92.4	61 - 122			
o-Xylene	45.2500	0.50	0.04	40.0000		113	66 - 147			
sec-Butylbenzene	23.1100	0.50	0.15	20.0000		116	72 - 148			
Styrene	22.5800	0.50	0.05	20.0000		113	72 - 138			
tert-Butylbenzene	22.9500	0.50	0.11	20.0000		115	70 - 145			
Tetrachloroethene	22.4100	0.50	0.18	20.0000		112	61 - 145			
Toluene	41.0300	0.50	0.14	40.0000		103	70 - 140			
trans-1,2-Dichloroethene	22.2300	0.50	0.15	20.0000		111	73 - 130			
Trichloroethene	21.3100	0.50	0.15	20.0000		107	69 - 126			
Trichlorofluoromethane	22.2800	0.50	0.33	20.0000		111	70 - 159			
Vinyl chloride	20.2100	0.50	0.25	20.0000		101	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*23.14*			*25.0000*		*92.6*	*74 - 132*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
LCS (B8C0015-BS1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
Surrogate: 4-Bromofluorobenzene	*24.52*			*25.0000*		*98.1*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.62*			*25.0000*		*102*	*76 - 135*			
Surrogate: Toluene-d8	*23.96*			*25.0000*		*95.8*	*85 - 125*			
LCS Dup (B8C0015-BSD1)					Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	27.7000	0.50	0.13	20.0000		138	73 - 136	8.90	20	L4
1,1,1-Trichloroethane	25.2500	0.50	0.38	20.0000		126	73 - 143	2.81	20	
1,1,2,2-Tetrachloroethane	19.6600	0.50	0.20	20.0000		98.3	62 - 127	2.99	20	
1,1,2-Trichloroethane	18.4700	0.50	0.19	20.0000		92.4	72 - 122	4.96	20	
1,1-Dichloroethane	20.9700	0.50	0.20	20.0000		105	73 - 138	2.59	20	
1,1-Dichloroethene	21.6800	0.50	0.28	20.0000		108	74 - 132	0.185	20	
1,1-Dichloropropene	24.4800	0.50	0.36	20.0000		122	70 - 143	0.773	20	
1,2,3-Trichloropropane	17.9900	0.50	0.16	20.0000		90.0	66 - 119	2.48	20	
1,2,3-Trichlorobenzene	20.8700	0.50	0.06	20.0000		104	70 - 131	2.08	20	
1,2,4-Trichlorobenzene	20.7400	0.50	0.07	20.0000		104	70 - 128	2.62	20	
1,2,4-Trimethylbenzene	21.5600	0.50	0.09	20.0000		108	74 - 142	2.56	20	
1,2-Dibromo-3-chloropropane	21.5400	0.50	0.20	20.0000		108	56 - 118	22.5	20	R
1,2-Dibromoethane	20.6500	0.50	0.13	20.0000		103	73 - 122	1.32	20	
1,2-Dichlorobenzene	20.7900	0.50	0.12	20.0000		104	75 - 128	0.957	20	
1,2-Dichloroethane	19.9700	0.50	0.39	20.0000		99.8	70 - 131	1.97	20	
1,2-Dichloropropane	20.0800	0.50	0.47	20.0000		100	69 - 124	3.60	20	
1,3,5-Trimethylbenzene	21.3000	0.50	0.08	20.0000		106	73 - 144	4.27	20	
1,3-Dichlorobenzene	20.6300	0.50	0.13	20.0000		103	75 - 131	3.01	20	
1,3-Dichloropropane	20.7300	0.50	0.08	20.0000		104	70 - 122	2.69	20	
1,4-Dichlorobenzene	20.2900	0.50	0.18	20.0000		101	75 - 127	1.18	20	
2,2-Dichloropropane	25.0300	0.50	0.23	20.0000		125	68 - 151	6.12	20	
2-Chlorotoluene	20.5600	0.50	0.12	20.0000		103	72 - 138	3.44	20	
4-Chlorotoluene	20.5700	0.50	0.11	20.0000		103	72 - 140	4.19	20	
4-Isopropyltoluene	22.4700	0.50	0.12	20.0000		112	74 - 149	2.89	20	
Benzene	40.8500	0.50	0.21	40.0000		102	67 - 138	2.61	20	
Bromobenzene	20.5100	0.50	0.12	20.0000		103	73 - 127	2.22	20	
Bromodichloromethane	21.5300	0.50	0.32	20.0000		108	74 - 129	1.73	20	
Bromoform	27.8300	0.50	0.14	20.0000		139	63 - 131	32.4	20	L4
Bromomethane	19.9600	0.50	0.22	20.0000		99.8	57 - 216	0.653	20	
Carbon tetrachloride	24.4400	0.50	0.31	20.0000		122	77 - 151	4.32	20	
Chlorobenzene	20.6300	0.50	0.16	20.0000		103	73 - 125	1.59	20	
Chloroethane	21.9700	0.50	0.29	20.0000		110	54 - 154	8.00	20	
Chloroform	20.1300	0.50	0.16	20.0000		101	77 - 132	1.65	20	
Chloromethane	20.6900	0.50	0.19	20.0000		103	57 - 142	8.36	20	
cis-1,2-Dichloroethene	20.4500	0.50	0.39	20.0000		102	73 - 126	0.490	20	
cis-1,3-Dichloropropene	24.2100	0.50	0.08	20.0000		121	76 - 120	5.95	20	L4
Dibromochloromethane	28.7400	0.50	0.11	20.0000		144	71 - 126	21.8	20	L4

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
LCS Dup (B8C0015-BSD1) - Continued					Prepared: 3/1/2018 Analyzed: 3/1/2018					
Dibromomethane	20.1400	0.50	0.09	20.0000		101	73 - 121	5.83	20	
Dichlorodifluoromethane	20.7700	0.50	0.31	20.0000		104	48 - 152	0.241	20	
Ethylbenzene	42.5300	0.50	0.08	40.0000		106	72 - 134	1.82	20	
Hexachlorobutadiene	21.9700	0.50	0.22	20.0000		110	72 - 139	8.00	20	
Isopropylbenzene	21.6800	0.50	0.10	20.0000		108	73 - 146	5.91	20	
m,p-Xylene	45.0600	1.0	0.18	40.0000		113	75 - 138	1.34	20	
Methylene chloride	23.1900	1.0	0.26	20.0000		116	52 - 154	3.87	20	
n-Butylbenzene	22.0300	0.50	0.15	20.0000		110	72 - 151	5.30	20	
n-Propylbenzene	21.2200	0.50	0.14	20.0000		106	69 - 149	5.32	20	
Naphthalene	19.5500	0.50	0.09	20.0000		97.8	61 - 122	5.57	20	
o-Xylene	45.0800	0.50	0.04	40.0000		113	66 - 147	0.376	20	
sec-Butylbenzene	21.6500	0.50	0.15	20.0000		108	72 - 148	6.52	20	
Styrene	22.9100	0.50	0.05	20.0000		115	72 - 138	1.45	20	
tert-Butylbenzene	21.8100	0.50	0.11	20.0000		109	70 - 145	5.09	20	
Tetrachloroethene	22.9300	0.50	0.18	20.0000		115	61 - 145	2.29	20	
Toluene	39.5400	0.50	0.14	40.0000		98.8	70 - 140	3.70	20	
trans-1,2-Dichloroethene	22.1700	0.50	0.15	20.0000		111	73 - 130	0.270	20	
Trichloroethene	21.5500	0.50	0.15	20.0000		108	69 - 126	1.12	20	
Trichlorofluoromethane	21.1100	0.50	0.33	20.0000		106	70 - 159	5.39	20	
Vinyl chloride	20.4400	0.50	0.25	20.0000		102	56 - 151	1.13	20	
Surrogate: 1,2-Dichloroethane-d4	*24.38*			*25.0000*		*97.5*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*26.41*			*25.0000*		*106*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.26*			*25.0000*		*101*	*76 - 135*			
Surrogate: Toluene-d8	*23.64*			*25.0000*		*94.6*	*85 - 125*			
Matrix Spike (B8C0015-MS1)			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,1,1,2-Tetrachloroethane	25.8100	0.50	0.13	20.0000	ND	129	73 - 136			
1,1,1-Trichloroethane	26.8800	0.50	0.38	20.0000	ND	134	73 - 143			
1,1,2,2-Tetrachloroethane	21.6100	0.50	0.20	20.0000	ND	108	62 - 127			
1,1,2-Trichloroethane	21.4800	0.50	0.19	20.0000	ND	107	72 - 122			
1,1-Dichloroethane	22.3600	0.50	0.20	20.0000	ND	112	73 - 138			
1,1-Dichloroethene	25.6000	0.50	0.28	20.0000	3.71000	109	74 - 132			
1,1-Dichloropropene	24.4400	0.50	0.36	20.0000	ND	122	70 - 143			
1,2,3-Trichloropropane	19.7100	0.50	0.16	20.0000	ND	98.6	66 - 119			
1,2,3-Trichlorobenzene	21.2100	0.50	0.06	20.0000	ND	106	70 - 131			
1,2,4-Trichlorobenzene	20.9100	0.50	0.07	20.0000	ND	105	70 - 128			
1,2,4-Trimethylbenzene	22.4800	0.50	0.09	20.0000	ND	112	74 - 142			
1,2-Dibromo-3-chloropropane	20.0000	0.50	0.20	20.0000	ND	100	56 - 118			
1,2-Dibromoethane	22.5500	0.50	0.13	20.0000	ND	113	73 - 122			
1,2-Dichlorobenzene	21.4300	0.50	0.12	20.0000	ND	107	75 - 128			
1,2-Dichloroethane	20.5400	0.50	0.39	20.0000	ND	103	70 - 131			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Matrix Spike (B8C0015-MS1) - Continued			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
1,2-Dichloropropane	19.9900	0.50	0.47	20.0000	ND	100	69 - 124			
1,3,5-Trimethylbenzene	22.2100	0.50	0.08	20.0000	ND	111	73 - 144			
1,3-Dichlorobenzene	21.5200	0.50	0.13	20.0000	ND	108	75 - 131			
1,3-Dichloropropane	20.9500	0.50	0.08	20.0000	ND	105	70 - 122			
1,4-Dichlorobenzene	21.1200	0.50	0.18	20.0000	ND	106	75 - 127			
2,2-Dichloropropane	25.8900	0.50	0.23	20.0000	ND	129	68 - 151			
2-Chlorotoluene	21.5200	0.50	0.12	20.0000	ND	108	72 - 138			
4-Chlorotoluene	21.4900	0.50	0.11	20.0000	ND	107	72 - 140			
4-Isopropyltoluene	22.8800	0.50	0.12	20.0000	ND	114	74 - 149			
Benzene	42.0000	0.50	0.21	40.0000	ND	105	67 - 138			
Bromobenzene	21.6900	0.50	0.12	20.0000	ND	108	73 - 127			
Bromodichloromethane	22.6700	0.50	0.32	20.0000	ND	113	74 - 129			
Bromoform	22.8600	0.50	0.14	20.0000	ND	114	63 - 131			
Bromomethane	22.8000	0.50	0.22	20.0000	ND	114	57 - 216			
Carbon tetrachloride	27.5600	0.50	0.31	20.0000	ND	138	77 - 151			
Chlorobenzene	21.1100	0.50	0.16	20.0000	ND	106	73 - 125			
Chloroethane	22.8700	0.50	0.29	20.0000	ND	114	54 - 154			
Chloroform	21.4800	0.50	0.16	20.0000	0.790000	103	77 - 132			
Chloromethane	18.5500	0.50	0.19	20.0000	ND	92.8	57 - 142			
cis-1,2-Dichloroethene	21.1300	0.50	0.39	20.0000	ND	106	73 - 126			
cis-1,3-Dichloropropene	22.5600	0.50	0.08	20.0000	ND	113	76 - 120			
Dibromochloromethane	24.8300	0.50	0.11	20.0000	ND	124	71 - 126			
Dibromomethane	20.6500	0.50	0.09	20.0000	ND	103	73 - 121			
Dichlorodifluoromethane	19.6200	0.50	0.31	20.0000	ND	98.1	48 - 152			
Ethylbenzene	43.4700	0.50	0.08	40.0000	ND	109	72 - 134			
Hexachlorobutadiene	22.3600	0.50	0.22	20.0000	ND	112	72 - 139			
Isopropylbenzene	22.8800	0.50	0.10	20.0000	ND	114	73 - 146			
m,p-Xylene	45.2800	1.0	0.18	40.0000	ND	113	75 - 138			
Methylene chloride	22.7500	1.0	0.26	20.0000	ND	114	52 - 154			
n-Butylbenzene	22.6800	0.50	0.15	20.0000	ND	113	72 - 151			
n-Propylbenzene	22.5400	0.50	0.14	20.0000	ND	113	69 - 149			
Naphthalene	20.8100	0.50	0.09	20.0000	ND	104	61 - 122			
o-Xylene	45.6200	0.50	0.04	40.0000	ND	114	66 - 147			
sec-Butylbenzene	22.9100	0.50	0.15	20.0000	ND	115	72 - 148			
Styrene	22.7700	0.50	0.05	20.0000	ND	114	72 - 138			
tert-Butylbenzene	22.6800	0.50	0.11	20.0000	ND	113	70 - 145			
Tetrachloroethene	22.3200	0.50	0.18	20.0000	ND	112	61 - 145			
Toluene	41.7500	0.50	0.14	40.0000	ND	104	70 - 140			
trans-1,2-Dichloroethene	21.6200	0.50	0.15	20.0000	ND	108	73 - 130			
Trichloroethene	21.7700	0.50	0.15	20.0000	ND	109	69 - 126			
Trichlorofluoromethane	22.4400	0.50	0.33	20.0000	ND	112	70 - 159			
Vinyl chloride	20.4100	0.50	0.25	20.0000	ND	102	56 - 151			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Matrix Spike (B8C0015-MS1) - Continued			**Source: 1800800-14**			Prepared: 3/1/2018 Analyzed: 3/1/2018				
Surrogate: 1,2-Dichloroethane-d4	*24.11*			*25.0000*		*96.4*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*25.00*			*25.0000*		*100*	*82 - 123*			
Surrogate: Dibromofluoromethan	*25.63*			*25.0000*		*103*	*76 - 135*			
Surrogate: Toluene-d8	*24.42*			*25.0000*		*97.7*	*85 - 125*			
Matrix Spike Dup (B8C0015-MSD1)			**Source: 1800800-14**			Prepared: 3/1/2018 Analyzed: 3/1/2018				
1,1,1,2-Tetrachloroethane	26.5200	0.50	0.13	20.0000	ND	133	73 - 136	2.71	20	
1,1,1-Trichloroethane	27.3300	0.50	0.38	20.0000	ND	137	73 - 143	1.66	20	
1,1,2,2-Tetrachloroethane	22.1500	0.50	0.20	20.0000	ND	111	62 - 127	2.47	20	
1,1,2-Trichloroethane	20.4300	0.50	0.19	20.0000	ND	102	72 - 122	5.01	20	
1,1-Dichloroethane	22.7200	0.50	0.20	20.0000	ND	114	73 - 138	1.60	20	
1,1-Dichloroethene	25.6800	0.50	0.28	20.0000	3.71000	110	74 - 132	0.312	20	
1,1-Dichloropropene	24.3800	0.50	0.36	20.0000	ND	122	70 - 143	0.246	20	
1,2,3-Trichloropropane	20.2900	0.50	0.16	20.0000	ND	101	66 - 119	2.90	20	
1,2,3-Trichlorobenzene	21.4800	0.50	0.06	20.0000	ND	107	70 - 131	1.26	20	
1,2,4-Trichlorobenzene	21.5400	0.50	0.07	20.0000	ND	108	70 - 128	2.97	20	
1,2,4-Trimethylbenzene	22.3400	0.50	0.09	20.0000	ND	112	74 - 142	0.625	20	
1,2-Dibromo-3-chloropropane	19.6900	0.50	0.20	20.0000	ND	98.4	56 - 118	1.56	20	
1,2-Dibromoethane	21.9300	0.50	0.13	20.0000	ND	110	73 - 122	2.79	20	
1,2-Dichlorobenzene	21.7300	0.50	0.12	20.0000	ND	109	75 - 128	1.39	20	
1,2-Dichloroethane	20.0500	0.50	0.39	20.0000	ND	100	70 - 131	2.41	20	
1,2-Dichloropropane	19.7700	0.50	0.47	20.0000	ND	98.8	69 - 124	1.11	20	
1,3,5-Trimethylbenzene	22.1000	0.50	0.08	20.0000	ND	110	73 - 144	0.496	20	
1,3-Dichlorobenzene	21.2500	0.50	0.13	20.0000	ND	106	75 - 131	1.26	20	
1,3-Dichloropropane	21.2600	0.50	0.08	20.0000	ND	106	70 - 122	1.47	20	
1,4-Dichlorobenzene	20.9700	0.50	0.18	20.0000	ND	105	75 - 127	0.713	20	
2,2-Dichloropropane	25.7900	0.50	0.23	20.0000	ND	129	68 - 151	0.387	20	
2-Chlorotoluene	21.7000	0.50	0.12	20.0000	ND	108	72 - 138	0.833	20	
4-Chlorotoluene	21.7300	0.50	0.11	20.0000	ND	109	72 - 140	1.11	20	
4-Isopropyltoluene	23.0200	0.50	0.12	20.0000	ND	115	74 - 149	0.610	20	
Benzene	41.0100	0.50	0.21	40.0000	ND	103	67 - 138	2.39	20	
Bromobenzene	21.9200	0.50	0.12	20.0000	ND	110	73 - 127	1.05	20	
Bromodichloromethane	21.6600	0.50	0.32	20.0000	ND	108	74 - 129	4.56	20	
Bromoform	23.8000	0.50	0.14	20.0000	ND	119	63 - 131	4.03	20	
Bromomethane	22.3700	0.50	0.22	20.0000	ND	112	57 - 216	1.90	20	
Carbon tetrachloride	26.2800	0.50	0.31	20.0000	ND	131	77 - 151	4.75	20	
Chlorobenzene	21.7600	0.50	0.16	20.0000	ND	109	73 - 125	3.03	20	
Chloroethane	23.2900	0.50	0.29	20.0000	ND	116	54 - 154	1.82	20	
Chloroform	21.8100	0.50	0.16	20.0000	0.790000	105	77 - 132	1.52	20	
Chloromethane	19.7100	0.50	0.19	20.0000	ND	98.6	57 - 142	6.06	20	
cis-1,2-Dichloroethene	21.2800	0.50	0.39	20.0000	ND	106	73 - 126	0.707	20	

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Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0015 - MSVOA_W (continued)										
Matrix Spike Dup (B8C0015-MSD1) - Continued			**Source: 1800800-14**		Prepared: 3/1/2018 Analyzed: 3/1/2018					
cis-1,3-Dichloropropene	21.5100	0.50	0.08	20.0000	ND	108	76 - 120	4.77	20	
Dibromochloromethane	25.5600	0.50	0.11	20.0000	ND	128	71 - 126	2.90	20	M2
Dibromomethane	20.2900	0.50	0.09	20.0000	ND	101	73 - 121	1.76	20	
Dichlorodifluoromethane	19.8200	0.50	0.31	20.0000	ND	99.1	48 - 152	1.01	20	
Ethylbenzene	43.4700	0.50	0.08	40.0000	ND	109	72 - 134	0.00	20	
Hexachlorobutadiene	22.8900	0.50	0.22	20.0000	ND	114	72 - 139	2.34	20	
Isopropylbenzene	22.9500	0.50	0.10	20.0000	ND	115	73 - 146	0.305	20	
m,p-Xylene	45.2200	1.0	0.18	40.0000	ND	113	75 - 138	0.133	20	
Methylene chloride	22.6100	1.0	0.26	20.0000	ND	113	52 - 154	0.617	20	
n-Butylbenzene	22.6000	0.50	0.15	20.0000	ND	113	72 - 151	0.353	20	
n-Propylbenzene	22.2900	0.50	0.14	20.0000	ND	111	69 - 149	1.12	20	
Naphthalene	21.0900	0.50	0.09	20.0000	ND	105	61 - 122	1.34	20	
o-Xylene	45.4700	0.50	0.04	40.0000	ND	114	66 - 147	0.329	20	
sec-Butylbenzene	22.8200	0.50	0.15	20.0000	ND	114	72 - 148	0.394	20	
Styrene	22.5200	0.50	0.05	20.0000	ND	113	72 - 138	1.10	20	
tert-Butylbenzene	22.9600	0.50	0.11	20.0000	ND	115	70 - 145	1.23	20	
Tetrachloroethene	22.7300	0.50	0.18	20.0000	ND	114	61 - 145	1.82	20	
Toluene	39.6300	0.50	0.14	40.0000	ND	99.1	70 - 140	5.21	20	
trans-1,2-Dichloroethene	21.9800	0.50	0.15	20.0000	ND	110	73 - 130	1.65	20	
Trichloroethene	20.9300	0.50	0.15	20.0000	ND	105	69 - 126	3.93	20	
Trichlorofluoromethane	22.5500	0.50	0.33	20.0000	ND	113	70 - 159	0.489	20	
Vinyl chloride	21.4300	0.50	0.25	20.0000	ND	107	56 - 151	4.88	20	
Surrogate: 1,2-Dichloroethane-d4	*24.74*			*25.0000*		*99.0*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*25.94*			*25.0000*		*104*	*82 - 123*			
Surrogate: Dibromofluoromethan	*26.87*			*25.0000*		*107*	*76 - 135*			
Surrogate: Toluene-d8	*23.89*			*25.0000*		*95.6*	*85 - 125*			

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Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0054 - MSVOA_W										
Blank (B8C0054-BLK1)					Prepared: 3/2/2018 Analyzed: 3/2/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0054 - MSVOA_W (continued)										
Blank (B8C0054-BLK1) - Continued					Prepared: 3/2/2018 Analyzed: 3/2/2018					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*23.10*			*25.0000*		*92.4*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*20.94*			*25.0000*		*83.8*	*82 - 123*			
Surrogate: Dibromofluoromethan	*23.73*			*25.0000*		*94.9*	*76 - 135*			
Surrogate: Toluene-d8	*21.71*			*25.0000*		*86.8*	*85 - 125*			
LCS (B8C0054-BS1)					Prepared: 3/2/2018 Analyzed: 3/2/2018					
1,1,1,2-Tetrachloroethane	23.2600	0.50	0.13	20.0000		116	73 - 136			
1,1,1-Trichloroethane	23.4100	0.50	0.38	20.0000		117	73 - 143			
1,1,2,2-Tetrachloroethane	18.3400	0.50	0.20	20.0000		91.7	62 - 127			
1,1,2-Trichloroethane	18.3800	0.50	0.19	20.0000		91.9	72 - 122			
1,1-Dichloroethane	20.2500	0.50	0.20	20.0000		101	73 - 138			
1,1-Dichloroethene	19.2200	0.50	0.28	20.0000		96.1	74 - 132			
1,1-Dichloropropene	21.5700	0.50	0.36	20.0000		108	70 - 143			
1,2,3-Trichloropropane	17.4500	0.50	0.16	20.0000		87.2	66 - 119			
1,2,3-Trichlorobenzene	19.3700	0.50	0.06	20.0000		96.8	70 - 131			
1,2,4-Trichlorobenzene	19.8000	0.50	0.07	20.0000		99.0	70 - 128			
1,2,4-Trimethylbenzene	20.7300	0.50	0.09	20.0000		104	74 - 142			
1,2-Dibromo-3-chloropropane	16.6800	0.50	0.20	20.0000		83.4	56 - 118			
1,2-Dibromoethane	19.7000	0.50	0.13	20.0000		98.5	73 - 122			
1,2-Dichlorobenzene	19.5300	0.50	0.12	20.0000		97.6	75 - 128			
1,2-Dichloroethane	18.2300	0.50	0.39	20.0000		91.2	70 - 131			
1,2-Dichloropropane	17.9800	0.50	0.47	20.0000		89.9	69 - 124			
1,3,5-Trimethylbenzene	20.4400	0.50	0.08	20.0000		102	73 - 144			
1,3-Dichlorobenzene	19.6600	0.50	0.13	20.0000		98.3	75 - 131			
1,3-Dichloropropane	18.7700	0.50	0.08	20.0000		93.8	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0054 - MSVOA_W (continued)										
LCS (B8C0054-BS1) - Continued					Prepared: 3/2/2018 Analyzed: 3/2/2018					
1,4-Dichlorobenzene	18.9500	0.50	0.18	20.0000		94.8	75 - 127			
2,2-Dichloropropane	24.3100	0.50	0.23	20.0000		122	68 - 151			
2-Chlorotoluene	19.5000	0.50	0.12	20.0000		97.5	72 - 138			
4-Chlorotoluene	19.6800	0.50	0.11	20.0000		98.4	72 - 140			
4-Isopropyltoluene	21.2900	0.50	0.12	20.0000		106	74 - 149			
Benzene	38.0700	0.50	0.21	40.0000		95.2	67 - 138			
Bromobenzene	19.4200	0.50	0.12	20.0000		97.1	73 - 127			
Bromodichloromethane	19.7200	0.50	0.32	20.0000		98.6	74 - 129			
Bromoform	20.0400	0.50	0.14	20.0000		100	63 - 131			
Bromomethane	19.4700	0.50	0.22	20.0000		97.4	57 - 216			
Carbon tetrachloride	23.8400	0.50	0.31	20.0000		119	77 - 151			
Chlorobenzene	19.1900	0.50	0.16	20.0000		96.0	73 - 125			
Chloroethane	20.9400	0.50	0.29	20.0000		105	54 - 154			
Chloroform	18.7300	0.50	0.16	20.0000		93.6	77 - 132			
Chloromethane	18.1400	0.50	0.19	20.0000		90.7	57 - 142			
cis-1,2-Dichloroethene	18.8300	0.50	0.39	20.0000		94.2	73 - 126			
cis-1,3-Dichloropropene	21.3100	0.50	0.08	20.0000		107	76 - 120			
Dibromochloromethane	22.1100	0.50	0.11	20.0000		111	71 - 126			
Dibromomethane	17.8500	0.50	0.09	20.0000		89.2	73 - 121			
Dichlorodifluoromethane	18.3200	0.50	0.31	20.0000		91.6	48 - 152			
Ethylbenzene	39.1500	0.50	0.08	40.0000		97.9	72 - 134			
Hexachlorobutadiene	20.2500	0.50	0.22	20.0000		101	72 - 139			
Isopropylbenzene	20.7100	0.50	0.10	20.0000		104	73 - 146			
m,p-Xylene	41.0100	1.0	0.18	40.0000		103	75 - 138			
Methylene chloride	21.2900	1.0	0.26	20.0000		106	52 - 154			
n-Butylbenzene	21.2500	0.50	0.15	20.0000		106	72 - 151			
n-Propylbenzene	20.5100	0.50	0.14	20.0000		103	69 - 149			
Naphthalene	18.1600	0.50	0.09	20.0000		90.8	61 - 122			
o-Xylene	41.8300	0.50	0.04	40.0000		105	66 - 147			
sec-Butylbenzene	21.1100	0.50	0.15	20.0000		106	72 - 148			
Styrene	20.8200	0.50	0.05	20.0000		104	72 - 138			
tert-Butylbenzene	20.9000	0.50	0.11	20.0000		104	70 - 145			
Tetrachloroethene	20.1100	0.50	0.18	20.0000		101	61 - 145			
Toluene	37.3300	0.50	0.14	40.0000		93.3	70 - 140			
trans-1,2-Dichloroethene	20.1500	0.50	0.15	20.0000		101	73 - 130			
Trichloroethene	19.4600	0.50	0.15	20.0000		97.3	69 - 126			
Trichlorofluoromethane	20.0100	0.50	0.33	20.0000		100	70 - 159			
Vinyl chloride	18.8700	0.50	0.25	20.0000		94.4	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*22.76*			*25.0000*		*91.0*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.78*			*25.0000*		*95.1*	*82 - 123*			
Surrogate: Dibromofluoromethan	*24.56*			*25.0000*		*98.2*	*76 - 135*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0054 - MSVOA_W (continued)										
LCS (B8C0054-BS1) - Continued					Prepared: 3/2/2018 Analyzed: 3/2/2018					
Surrogate: Toluene-d8	*22.93*			*25.0000*		*91.7*	*85 - 125*			
LCS Dup (B8C0054-BSD1)					Prepared: 3/2/2018 Analyzed: 3/2/2018					
1,1,1,2-Tetrachloroethane	23.1000	0.50	0.13	20.0000		116	73 - 136	0.690	20	
1,1,1-Trichloroethane	22.8800	0.50	0.38	20.0000		114	73 - 143	2.29	20	
1,1,2,2-Tetrachloroethane	18.1700	0.50	0.20	20.0000		90.8	62 - 127	0.931	20	
1,1,2-Trichloroethane	17.9700	0.50	0.19	20.0000		89.8	72 - 122	2.26	20	
1,1-Dichloroethane	20.1800	0.50	0.20	20.0000		101	73 - 138	0.346	20	
1,1-Dichloroethene	20.0000	0.50	0.28	20.0000		100	74 - 132	3.98	20	
1,1-Dichloropropene	21.2800	0.50	0.36	20.0000		106	70 - 143	1.35	20	
1,2,3-Trichloropropane	17.1200	0.50	0.16	20.0000		85.6	66 - 119	1.91	20	
1,2,3-Trichlorobenzene	18.6000	0.50	0.06	20.0000		93.0	70 - 131	4.06	20	
1,2,4-Trichlorobenzene	18.8500	0.50	0.07	20.0000		94.2	70 - 128	4.92	20	
1,2,4-Trimethylbenzene	19.4200	0.50	0.09	20.0000		97.1	74 - 142	6.53	20	
1,2-Dibromo-3-chloropropane	16.6900	0.50	0.20	20.0000		83.4	56 - 118	0.0599	20	
1,2-Dibromoethane	18.9400	0.50	0.13	20.0000		94.7	73 - 122	3.93	20	
1,2-Dichlorobenzene	18.3200	0.50	0.12	20.0000		91.6	75 - 128	6.39	20	
1,2-Dichloroethane	17.6700	0.50	0.39	20.0000		88.4	70 - 131	3.12	20	
1,2-Dichloropropane	17.2400	0.50	0.47	20.0000		86.2	69 - 124	4.20	20	
1,3,5-Trimethylbenzene	19.1500	0.50	0.08	20.0000		95.8	73 - 144	6.52	20	
1,3-Dichlorobenzene	18.2900	0.50	0.13	20.0000		91.4	75 - 131	7.22	20	
1,3-Dichloropropane	18.7000	0.50	0.08	20.0000		93.5	70 - 122	0.374	20	
1,4-Dichlorobenzene	18.2200	0.50	0.18	20.0000		91.1	75 - 127	3.93	20	
2,2-Dichloropropane	22.8500	0.50	0.23	20.0000		114	68 - 151	6.19	20	
2-Chlorotoluene	18.8400	0.50	0.12	20.0000		94.2	72 - 138	3.44	20	
4-Chlorotoluene	18.7400	0.50	0.11	20.0000		93.7	72 - 140	4.89	20	
4-Isopropyltoluene	20.2800	0.50	0.12	20.0000		101	74 - 149	4.86	20	
Benzene	36.4600	0.50	0.21	40.0000		91.2	67 - 138	4.32	20	
Bromobenzene	18.5600	0.50	0.12	20.0000		92.8	73 - 127	4.53	20	
Bromodichloromethane	19.4500	0.50	0.32	20.0000		97.2	74 - 129	1.38	20	
Bromoform	19.8200	0.50	0.14	20.0000		99.1	63 - 131	1.10	20	
Bromomethane	19.3600	0.50	0.22	20.0000		96.8	57 - 216	0.567	20	
Carbon tetrachloride	22.3700	0.50	0.31	20.0000		112	77 - 151	6.36	20	
Chlorobenzene	18.8800	0.50	0.16	20.0000		94.4	73 - 125	1.63	20	
Chloroethane	19.7900	0.50	0.29	20.0000		99.0	54 - 154	5.65	20	
Chloroform	18.4300	0.50	0.16	20.0000		92.2	77 - 132	1.61	20	
Chloromethane	17.2300	0.50	0.19	20.0000		86.2	57 - 142	5.15	20	
cis-1,2-Dichloroethene	18.8000	0.50	0.39	20.0000		94.0	73 - 126	0.159	20	
cis-1,3-Dichloropropene	20.3300	0.50	0.08	20.0000		102	76 - 120	4.71	20	
Dibromochloromethane	22.0800	0.50	0.11	20.0000		110	71 - 126	0.136	20	
Dibromomethane	17.5700	0.50	0.09	20.0000		87.8	73 - 121	1.58	20	
Dichlorodifluoromethane	18.0300	0.50	0.31	20.0000		90.2	48 - 152	1.60	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0054 - MSVOA_W (continued)										
LCS Dup (B8C0054-BSD1) - Continued					Prepared: 3/2/2018 Analyzed: 3/2/2018					
Ethylbenzene	38.4100	0.50	0.08	40.0000		96.0	72 - 134	1.91	20	
Hexachlorobutadiene	20.4700	0.50	0.22	20.0000		102	72 - 139	1.08	20	
Isopropylbenzene	20.0800	0.50	0.10	20.0000		100	73 - 146	3.09	20	
m,p-Xylene	39.5500	1.0	0.18	40.0000		98.9	75 - 138	3.62	20	
Methylene chloride	19.8600	1.0	0.26	20.0000		99.3	52 - 154	6.95	20	
n-Butylbenzene	20.1200	0.50	0.15	20.0000		101	72 - 151	5.46	20	
n-Propylbenzene	19.5400	0.50	0.14	20.0000		97.7	69 - 149	4.84	20	
Naphthalene	17.5000	0.50	0.09	20.0000		87.5	61 - 122	3.70	20	
o-Xylene	39.1600	0.50	0.04	40.0000		97.9	66 - 147	6.59	20	
sec-Butylbenzene	19.9800	0.50	0.15	20.0000		99.9	72 - 148	5.50	20	
Styrene	19.8700	0.50	0.05	20.0000		99.4	72 - 138	4.67	20	
tert-Butylbenzene	19.6600	0.50	0.11	20.0000		98.3	70 - 145	6.11	20	
Tetrachloroethene	20.0400	0.50	0.18	20.0000		100	61 - 145	0.349	20	
Toluene	35.1900	0.50	0.14	40.0000		88.0	70 - 140	5.90	20	
trans-1,2-Dichloroethene	19.7000	0.50	0.15	20.0000		98.5	73 - 130	2.26	20	
Trichloroethene	19.1000	0.50	0.15	20.0000		95.5	69 - 126	1.87	20	
Trichlorofluoromethane	19.5400	0.50	0.33	20.0000		97.7	70 - 159	2.38	20	
Vinyl chloride	18.2500	0.50	0.25	20.0000		91.2	56 - 151	3.34	20	
Surrogate: 1,2-Dichloroethane-d4	*23.19*			*25.0000*		*92.8*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.38*			*25.0000*		*93.5*	*82 - 123*			
Surrogate: Dibromofluoromethan	*24.31*			*25.0000*		*97.2*	*76 - 135*			
Surrogate: Toluene-d8	*22.27*			*25.0000*		*89.1*	*85 - 125*			

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W										
Blank (B8C0101-BLK1)					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
Blank (B8C0101-BLK1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*25.05*			*25.0000*		*100*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*23.82*			*25.0000*		*95.3*	*82 - 123*			
Surrogate: Dibromofluoromethan	*26.10*			*25.0000*		*104*	*76 - 135*			
Surrogate: Toluene-d8	*24.53*			*25.0000*		*98.1*	*85 - 125*			
LCS (B8C0101-BS1)					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,1,1,2-Tetrachloroethane	22.5500	0.50	0.13	20.0000		113	73 - 136			
1,1,1-Trichloroethane	22.3300	0.50	0.38	20.0000		112	73 - 143			
1,1,2,2-Tetrachloroethane	16.6800	0.50	0.20	20.0000		83.4	62 - 127			
1,1,2-Trichloroethane	18.7700	0.50	0.19	20.0000		93.8	72 - 122			
1,1-Dichloroethane	19.2500	0.50	0.20	20.0000		96.2	73 - 138			
1,1-Dichloroethene	19.4700	0.50	0.28	20.0000		97.4	74 - 132			
1,1-Dichloropropene	21.6500	0.50	0.36	20.0000		108	70 - 143			
1,2,3-Trichloropropane	16.1700	0.50	0.16	20.0000		80.8	66 - 119			
1,2,3-Trichlorobenzene	19.3600	0.50	0.06	20.0000		96.8	70 - 131			
1,2,4-Trichlorobenzene	19.5100	0.50	0.07	20.0000		97.6	70 - 128			
1,2,4-Trimethylbenzene	20.7800	0.50	0.09	20.0000		104	74 - 142			
1,2-Dibromo-3-chloropropane	16.0000	0.50	0.20	20.0000		80.0	56 - 118			
1,2-Dibromoethane	19.9700	0.50	0.13	20.0000		99.8	73 - 122			
1,2-Dichlorobenzene	19.8000	0.50	0.12	20.0000		99.0	75 - 128			
1,2-Dichloroethane	18.5200	0.50	0.39	20.0000		92.6	70 - 131			
1,2-Dichloropropane	18.3200	0.50	0.47	20.0000		91.6	69 - 124			
1,3,5-Trimethylbenzene	20.5600	0.50	0.08	20.0000		103	73 - 144			
1,3-Dichlorobenzene	19.8100	0.50	0.13	20.0000		99.0	75 - 131			
1,3-Dichloropropane	18.5000	0.50	0.08	20.0000		92.5	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
LCS (B8C0101-BS1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,4-Dichlorobenzene	19.4200	0.50	0.18	20.0000		97.1	75 - 127			
2,2-Dichloropropane	21.2200	0.50	0.23	20.0000		106	68 - 151			
2-Chlorotoluene	19.8400	0.50	0.12	20.0000		99.2	72 - 138			
4-Chlorotoluene	19.7900	0.50	0.11	20.0000		99.0	72 - 140			
4-Isopropyltoluene	21.6300	0.50	0.12	20.0000		108	74 - 149			
Benzene	38.6900	0.50	0.21	40.0000		96.7	67 - 138			
Bromobenzene	19.9800	0.50	0.12	20.0000		99.9	73 - 127			
Bromodichloromethane	19.8600	0.50	0.32	20.0000		99.3	74 - 129			
Bromoform	19.4500	0.50	0.14	20.0000		97.2	63 - 131			
Bromomethane	21.1300	0.50	0.22	20.0000		106	57 - 216			
Carbon tetrachloride	23.3500	0.50	0.31	20.0000		117	77 - 151			
Chlorobenzene	19.7600	0.50	0.16	20.0000		98.8	73 - 125			
Chloroethane	20.7200	0.50	0.29	20.0000		104	54 - 154			
Chloroform	17.5400	0.50	0.16	20.0000		87.7	77 - 132			
Chloromethane	20.0500	0.50	0.19	20.0000		100	57 - 142			
cis-1,2-Dichloroethene	18.0600	0.50	0.39	20.0000		90.3	73 - 126			
cis-1,3-Dichloropropene	21.8800	0.50	0.08	20.0000		109	76 - 120			
Dibromochloromethane	22.0100	0.50	0.11	20.0000		110	71 - 126			
Dibromomethane	17.7500	0.50	0.09	20.0000		88.8	73 - 121			
Dichlorodifluoromethane	18.2500	0.50	0.31	20.0000		91.2	48 - 152			
Ethylbenzene	40.4500	0.50	0.08	40.0000		101	72 - 134			
Hexachlorobutadiene	21.4200	0.50	0.22	20.0000		107	72 - 139			
Isopropylbenzene	21.1800	0.50	0.10	20.0000		106	73 - 146			
m,p-Xylene	42.3600	1.0	0.18	40.0000		106	75 - 138			
Methylene chloride	20.2200	1.0	0.26	20.0000		101	52 - 154			
n-Butylbenzene	20.9600	0.50	0.15	20.0000		105	72 - 151			
n-Propylbenzene	20.7900	0.50	0.14	20.0000		104	69 - 149			
Naphthalene	17.2600	0.50	0.09	20.0000		86.3	61 - 122			
o-Xylene	42.0400	0.50	0.04	40.0000		105	66 - 147			
sec-Butylbenzene	21.1300	0.50	0.15	20.0000		106	72 - 148			
Styrene	21.2900	0.50	0.05	20.0000		106	72 - 138			
tert-Butylbenzene	21.1700	0.50	0.11	20.0000		106	70 - 145			
Tetrachloroethene	20.8300	0.50	0.18	20.0000		104	61 - 145			
Toluene	38.6700	0.50	0.14	40.0000		96.7	70 - 140			
trans-1,2-Dichloroethene	19.3700	0.50	0.15	20.0000		96.8	73 - 130			
Trichloroethene	20.9200	0.50	0.15	20.0000		105	69 - 126			
Trichlorofluoromethane	19.0300	0.50	0.33	20.0000		95.2	70 - 159			
Vinyl chloride	18.7600	0.50	0.25	20.0000		93.8	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*21.74*			*25.0000*		*87.0*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*24.49*			*25.0000*		*98.0*	*82 - 123*			
Surrogate: Dibromofluoromethan	*23.75*			*25.0000*		*95.0*	*76 - 135*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
LCS (B8C0101-BS1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
Surrogate: Toluene-d8	*24.20*			*25.0000*		*96.8*	*85 - 125*			
LCS Dup (B8C0101-BSD1)					Prepared: 3/5/2018 Analyzed: 3/5/2018					
1,1,1,2-Tetrachloroethane	24.2900	0.50	0.13	20.0000		121	73 - 136	7.43	20	
1,1,1-Trichloroethane	24.3200	0.50	0.38	20.0000		122	73 - 143	8.53	20	
1,1,2,2-Tetrachloroethane	17.9400	0.50	0.20	20.0000		89.7	62 - 127	7.28	20	
1,1,2-Trichloroethane	17.8400	0.50	0.19	20.0000		89.2	72 - 122	5.08	20	
1,1-Dichloroethane	20.1000	0.50	0.20	20.0000		100	73 - 138	4.32	20	
1,1-Dichloroethene	20.6500	0.50	0.28	20.0000		103	74 - 132	5.88	20	
1,1-Dichloropropene	21.9800	0.50	0.36	20.0000		110	70 - 143	1.51	20	
1,2,3-Trichloropropane	17.3600	0.50	0.16	20.0000		86.8	66 - 119	7.10	20	
1,2,3-Trichlorobenzene	19.8200	0.50	0.06	20.0000		99.1	70 - 131	2.35	20	
1,2,4-Trichlorobenzene	20.0600	0.50	0.07	20.0000		100	70 - 128	2.78	20	
1,2,4-Trimethylbenzene	20.5700	0.50	0.09	20.0000		103	74 - 142	1.02	20	
1,2-Dibromo-3-chloropropane	16.8100	0.50	0.20	20.0000		84.0	56 - 118	4.94	20	
1,2-Dibromoethane	19.2900	0.50	0.13	20.0000		96.4	73 - 122	3.46	20	
1,2-Dichlorobenzene	19.7400	0.50	0.12	20.0000		98.7	75 - 128	0.303	20	
1,2-Dichloroethane	17.7800	0.50	0.39	20.0000		88.9	70 - 131	4.08	20	
1,2-Dichloropropane	18.2000	0.50	0.47	20.0000		91.0	69 - 124	0.657	20	
1,3,5-Trimethylbenzene	20.5900	0.50	0.08	20.0000		103	73 - 144	0.146	20	
1,3-Dichlorobenzene	19.8700	0.50	0.13	20.0000		99.4	75 - 131	0.302	20	
1,3-Dichloropropane	19.4500	0.50	0.08	20.0000		97.2	70 - 122	5.01	20	
1,4-Dichlorobenzene	19.1300	0.50	0.18	20.0000		95.6	75 - 127	1.50	20	
2,2-Dichloropropane	23.4600	0.50	0.23	20.0000		117	68 - 151	10.0	20	
2-Chlorotoluene	20.1000	0.50	0.12	20.0000		100	72 - 138	1.30	20	
4-Chlorotoluene	19.7900	0.50	0.11	20.0000		99.0	72 - 140	0.00	20	
4-Isopropyltoluene	21.7000	0.50	0.12	20.0000		108	74 - 149	0.323	20	
Benzene	38.2100	0.50	0.21	40.0000		95.5	67 - 138	1.25	20	
Bromobenzene	19.7700	0.50	0.12	20.0000		98.8	73 - 127	1.06	20	
Bromodichloromethane	19.4200	0.50	0.32	20.0000		97.1	74 - 129	2.24	20	
Bromoform	21.2400	0.50	0.14	20.0000		106	63 - 131	8.80	20	
Bromomethane	20.3100	0.50	0.22	20.0000		102	57 - 216	3.96	20	
Carbon tetrachloride	23.2100	0.50	0.31	20.0000		116	77 - 151	0.601	20	
Chlorobenzene	19.9400	0.50	0.16	20.0000		99.7	73 - 125	0.907	20	
Chloroethane	20.5300	0.50	0.29	20.0000		103	54 - 154	0.921	20	
Chloroform	19.0100	0.50	0.16	20.0000		95.0	77 - 132	8.04	20	
Chloromethane	19.0900	0.50	0.19	20.0000		95.4	57 - 142	4.91	20	
cis-1,2-Dichloroethene	18.9800	0.50	0.39	20.0000		94.9	73 - 126	4.97	20	
cis-1,3-Dichloropropene	21.1000	0.50	0.08	20.0000		106	76 - 120	3.63	20	
Dibromochloromethane	22.8300	0.50	0.11	20.0000		114	71 - 126	3.66	20	
Dibromomethane	18.0400	0.50	0.09	20.0000		90.2	73 - 121	1.62	20	
Dichlorodifluoromethane	18.6400	0.50	0.31	20.0000		93.2	48 - 152	2.11	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0101 - MSVOA_W (continued)										
LCS Dup (B8C0101-BSD1) - Continued					Prepared: 3/5/2018 Analyzed: 3/5/2018					
Ethylbenzene	40.2800	0.50	0.08	40.0000		101	72 - 134	0.421	20	
Hexachlorobutadiene	21.8700	0.50	0.22	20.0000		109	72 - 139	2.08	20	
Isopropylbenzene	21.4400	0.50	0.10	20.0000		107	73 - 146	1.22	20	
m,p-Xylene	41.0100	1.0	0.18	40.0000		103	75 - 138	3.24	20	
Methylene chloride	21.2100	1.0	0.26	20.0000		106	52 - 154	4.78	20	
n-Butylbenzene	21.0600	0.50	0.15	20.0000		105	72 - 151	0.476	20	
n-Propylbenzene	20.8400	0.50	0.14	20.0000		104	69 - 149	0.240	20	
Naphthalene	18.1400	0.50	0.09	20.0000		90.7	61 - 122	4.97	20	
o-Xylene	42.4300	0.50	0.04	40.0000		106	66 - 147	0.923	20	
sec-Butylbenzene	21.2900	0.50	0.15	20.0000		106	72 - 148	0.754	20	
Styrene	21.0900	0.50	0.05	20.0000		105	72 - 138	0.944	20	
tert-Butylbenzene	21.1800	0.50	0.11	20.0000		106	70 - 145	0.0472	20	
Tetrachloroethene	22.1300	0.50	0.18	20.0000		111	61 - 145	6.05	20	
Toluene	36.6200	0.50	0.14	40.0000		91.6	70 - 140	5.45	20	
trans-1,2-Dichloroethene	20.3400	0.50	0.15	20.0000		102	73 - 130	4.89	20	
Trichloroethene	20.2900	0.50	0.15	20.0000		101	69 - 126	3.06	20	
Trichlorofluoromethane	20.4000	0.50	0.33	20.0000		102	70 - 159	6.95	20	
Vinyl chloride	18.9500	0.50	0.25	20.0000		94.8	56 - 151	1.01	20	
Surrogate: 1,2-Dichloroethane-d4	*23.22*			*25.0000*		*92.9*	*74 - 132*			
Surrogate: 4-Bromofluorobenzene	*24.84*			*25.0000*		*99.4*	*82 - 123*			
Surrogate: Dibromofluoromethan	*24.63*			*25.0000*		*98.5*	*76 - 135*			
Surrogate: Toluene-d8	*23.20*			*25.0000*		*92.8*	*85 - 125*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0104 - MSSEMI_W										
Blank (B8C0104-BLK1)						Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.4028*			*1.00000*		*40.3*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.4503*			*1.00000*		*45.0*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*1.017*			*1.00000*		*102*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.4061*			*1.00000*		*40.6*	*17 - 123*			
LCS (B8C0104-BS1)						Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	0.949910	0.20	0.11	1.00000		95.0	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8664*			*1.00000*		*86.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9080*			*1.00000*		*90.8*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8012*			*1.00000*		*80.1*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7995*			*1.00000*		*79.9*	*17 - 123*			
Matrix Spike (B8C0104-MS1)			**Source: 1800785-05**			Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	2.72413	0.20	0.11	1.00000	1.40681	132	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8363*			*1.00000*		*83.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8828*			*1.00000*		*88.3*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8848*			*1.00000*		*88.5*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.8261*			*1.00000*		*82.6*	*17 - 123*			
Matrix Spike Dup (B8C0104-MSD1)			**Source: 1800785-05**			Prepared: 3/5/2018 Analyzed: 3/5/2018				
1,4-Dioxane	2.76313	0.20	0.11	1.00000	1.40681	136	61 - 166	1.42	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.8238*			*1.00000*		*82.4*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8765*			*1.00000*		*87.6*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8980*			*1.00000*		*89.8*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7861*			*1.00000*		*78.6*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8C0111 - MSSEMI_W										
Blank (B8C0111-BLK1)					Prepared: 3/5/2018 Analyzed: 3/6/2018					
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.7588*			*1.00000*		*75.9*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8338*			*1.00000*		*83.4*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8110*			*1.00000*		*81.1*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.6922*			*1.00000*		*69.2*	*17 - 123*			
LCS (B8C0111-BS1)					Prepared: 3/5/2018 Analyzed: 3/6/2018					
1,4-Dioxane	0.799170	0.20	0.11	1.00000		79.9	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8349*			*1.00000*		*83.5*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8849*			*1.00000*		*88.5*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8221*			*1.00000*		*82.2*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7519*			*1.00000*		*75.2*	*17 - 123*			
Matrix Spike (B8C0111-MS1)			**Source: 1800800-14**		Prepared: 3/5/2018 Analyzed: 3/7/2018					
1,4-Dioxane	0.936720	0.20	0.11	1.00000	2.77301	-184	61 - 166			M2
Surrogate: 1,2-Dichlorobenzene-d	*0.7797*			*1.00000*		*78.0*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8161*			*1.00000*		*81.6*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.7501*			*1.00000*		*75.0*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7373*			*1.00000*		*73.7*	*17 - 123*			
Matrix Spike Dup (B8C0111-MSD1)			**Source: 1800800-14**		Prepared: 3/5/2018 Analyzed: 3/8/2018					
1,4-Dioxane	0.855110	0.20	0.11	1.00000	2.77301	-192	61 - 166	9.11	20	M2
Surrogate: 1,2-Dichlorobenzene-d	*0.8490*			*1.00000*		*84.9*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8991*			*1.00000*		*89.9*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.7632*			*1.00000*		*76.3*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.8137*			*1.00000*		*81.4*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/09/2018

Notes and Definitions

S12	Surrogate recovery outside in-house established limit but within method default criteria.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
E	Result value is above quantitation range and therefore, estimated.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 2/28/18
Page 1 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858.455.6500
Fax 858.455.6533

Sampled By: T. Evans, N. Scholl

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	Expected Concetration Range (ppb) for VOA's: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 hr TAT	Standard TAT	Level IV Data Validation Requested	MS/MSD Requested
1800800 -01	TB-022818A	2/28/18	730		X	X	X	2		X			X						X		
-02	MW-35C		930	X		X	X	3		X			X						X		
-03	MW-35A		1020	X		X	X	3	1	X	X		X						X		
-04	MW-35B		1107	X		X	X	3	1	X	X		X						X		
-05	MW-30A		1343	X		X	X	3	1	X	X		X						X		
-06	MW-30B		1420	X		X	X	3	1	X	X				X				X		
-07	MW-3000B		1430	X		X	X	3	1	X	X				X				X		
-08	MW-22		1518	X		X	X	3	1	X	X		X						X		
-09	MW-28		1602	X		X	X	3	1	X	X		X						X		
							X	26	8		X										

Total number of containers per analysis:

Laboratory
ATL
Attn: Rachelle Arada
3257 Walnut Ave
Signal Hill, CA 90755
562-989-4045

REMARKS
Report J Flags

Total No. of Containers: 34

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
[signature] / H+A	2/28/18 16:50	[signature] ATL	2/28/17 1650
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
[signature] ATL	2/28/18 1743	[signature]	2/28/18 1743

- No. of containers correct
- Received in good condition
- Custody seals secure
- Conforms to COC document

3.5, 2.9 Temperature on receipt

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.5400
snetto@hargis.com

Instructions
1. Fill out form completely and sign only after verified for completeness
Complete in ballpoint pen. Draw one line through error, initial and date correction
Indicate the number of sample containers in analytical request space; indicate choice with ✓ or ×
Note applicable preservatives, special instructions, and deviations from typical environmental samples.
Consult project QA documents for specific instructions.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 2/28/18
Page 2 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858.455.6500
Fax 858.455.6533

Sampled By: A. DONNELLY C. DIAZ

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	Expected Concetration Range (ppb) for VOA's: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 hr TAT	Standard TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1800800 -10	P-07	2/28/18	8:40	X		X		3		X						X			X			Report J Flags
	↓		↓	X					1		X								X			
-11	P-09		10:35	X		X		3		X			X						X			
	↓		↓	X					1		X								X			
-12	RB-022818		10:55		X	X		3		X			X						X			
	↓		↓		X				1		X								X			
-13	MW-18		13:56	X		X		3		X			X						X			
	↓		↓	X					1		X								X			
-14	MW-20		16:06	X		X		9		X			X						X		X	
	↓	↓	↓	X					3		X								X		X	

Total number of containers per analysis:

Total No. of Containers: ___

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
A Donnelly / H+A	2/28/17 16:50	AM ATL	2/28/17 1650
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
AM ATL	2/28/18 1743	FEDEX	2/28/18 1743

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

Laboratory
ATL
Attn: Rachelle Arada
3257 Walnut Ave
Signal Hill, CA 90755
562-989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.5400
snetto@hargis.com

Instructions
Fill out form completely and sign only after verified for completeness
Complete in ballpoint pen. Draw one line through error, initial and date correction
Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
Note applicable preservatives, special instructions, and deviations from typical environmental samples.
Consult project QA documents for specific instructions.

_____ Temperature on receipt

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WORK ORDER NUMBER: 18-02-1875

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Hargis + Associates, Inc.

Client Project Name: Raytheon Main / 532.30

Attention: Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122-6215

Approved for release on 03/06/2018 by:
Virendra Patel
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 18-02-1875

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Work Order Narrative

Work Order: 18-02-1875 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/27/18. They were assigned to Work Order 18-02-1875.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Hargis + Associates, Inc. 9171 Towne Centre Drive, Suite 375 San Diego, CA 92122-6215	Work Order:	18-02-1875
		Project Name:	Raytheon Main / 532.30
		PO Number:	
		Date/Time Received:	02/27/18 17:15
		Number of Containers:	10
Attn:	Steve Netto		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
TB-022718-B	18-02-1875-1	02/27/18 07:30	2	Aqueous
MW-32B	18-02-1875-2	02/27/18 14:50	4	Aqueous
MW-21	18-02-1875-3	02/27/18 16:15	4	Aqueous

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Detections Summary

Client:	Hargis + Associates, Inc. 9171 Towne Centre Drive, Suite 375 San Diego, CA 92122-6215	Work Order:	18-02-1875
		Project Name:	Raytheon Main / 532.30
		Received:	02/27/18
Attn:	Steve Netto		Page 1 of 1

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
MW-32B (18-02-1875-2)						
1,1-Dichloroethane	1.1		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	170		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	3.6		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	45		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dioxane	2.9		1.0	ug/L	EPA 8270C (M) SIM Isotope Dil	EPA 3510C
MW-21 (18-02-1875-3)						
1,1-Dichloroethane	7.5		5.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	880		5.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	2.8	J	1.9*	ug/L	EPA 8260B	EPA 5030C
1,1,2-Trichloroethane	2.3	J	1.9*	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	9.9		5.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dioxane	70		1.0	ug/L	EPA 8270C (M) SIM Isotope Dil	EPA 3510C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 3510C
Method: EPA 8270C (M) SIM Isotope Dil
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-32B	**18-02-1875-2-D**	**02/27/18 14:50**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 20:40**	**180228L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	2.9	1.0	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	102	56-123	
1,4-Dioxane-d8(IDS-IS)	36	30-120	

MW-21	**18-02-1875-3-D**	**02/27/18 16:15**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 20:56**	**180228L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	70	1.0	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	106	56-123	
1,4-Dioxane-d8(IDS-IS)	38	30-120	

Method Blank	**099-16-216-1281**	**N/A**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 14:44**	**180228L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	105	56-123	
1,4-Dioxane-d8(IDS-IS)	42	30-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-022718-B	**18-02-1875-1-A**	**02/27/18 07:30**	**Aqueous**	**GC/MS CC**	**02/28/18**	**02/28/18 17:44**	**180228L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	102	80-128	
1,2-Dichloroethane-d4	97	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.		Date Received:	02/27/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1875
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Raytheon Main / 532.30			Page 3 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-32B	**18-02-1875-2-A**	**02/27/18 14:50**	**Aqueous**	**GC/MS CC**	**02/28/18**	**02/28/18 18:13**	**180228L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	1.1	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	170	1.0	0.43	1.00	
c-1,2-Dichloroethene	3.6	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.	Date Received:	02/27/18
9171 Towne Centre Drive, Suite 375	Work Order:	18-02-1875
San Diego, CA 92122-6215	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: Raytheon Main / 532.30		Page 4 of 10

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	45	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	104	80-128	
1,2-Dichloroethane-d4	98	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.		Date Received:	02/27/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1875
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Raytheon Main / 532.30			Page 5 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-21	**18-02-1875-3-B**	**02/27/18 16:15**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 12:47**	**180301L006**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	100	50	5.00	
Benzene	ND	2.5	0.71	5.00	
Bromobenzene	ND	5.0	1.5	5.00	
Bromochloromethane	ND	5.0	2.4	5.00	
Bromodichloromethane	ND	5.0	1.0	5.00	
Bromoform	ND	5.0	2.5	5.00	
Bromomethane	ND	50	19	5.00	
2-Butanone	ND	50	22	5.00	
n-Butylbenzene	ND	5.0	1.1	5.00	
sec-Butylbenzene	ND	5.0	1.2	5.00	
tert-Butylbenzene	ND	5.0	1.4	5.00	
Carbon Disulfide	ND	50	20	5.00	
Carbon Tetrachloride	ND	2.5	1.1	5.00	
Chlorobenzene	ND	5.0	0.86	5.00	
Chloroethane	ND	25	11	5.00	
Chloroform	ND	5.0	2.3	5.00	
Chloromethane	ND	50	18	5.00	
2-Chlorotoluene	ND	5.0	1.2	5.00	
4-Chlorotoluene	ND	5.0	0.66	5.00	
Dibromochloromethane	ND	5.0	1.2	5.00	
1,2-Dibromo-3-Chloropropane	ND	25	6.2	5.00	
1,2-Dibromoethane	ND	5.0	1.8	5.00	
Dibromomethane	ND	5.0	2.3	5.00	
1,2-Dichlorobenzene	ND	5.0	2.3	5.00	
1,3-Dichlorobenzene	ND	5.0	2.0	5.00	
1,4-Dichlorobenzene	ND	5.0	2.2	5.00	
Dichlorodifluoromethane	ND	5.0	2.3	5.00	
1,1-Dichloroethane	7.5	5.0	1.4	5.00	
1,2-Dichloroethane	ND	2.5	1.2	5.00	
1,1-Dichloroethene	880	5.0	2.2	5.00	
c-1,2-Dichloroethene	ND	5.0	2.4	5.00	
t-1,2-Dichloroethene	ND	5.0	1.8	5.00	
1,2-Dichloropropane	ND	5.0	2.1	5.00	
1,3-Dichloropropane	ND	5.0	1.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	1.8	5.00	
1,1-Dichloropropene	ND	5.0	2.3	5.00	
c-1,3-Dichloropropene	ND	2.5	1.2	5.00	
t-1,3-Dichloropropene	ND	2.5	1.3	5.00	
Ethylbenzene	ND	5.0	0.69	5.00	
2-Hexanone	ND	50	21	5.00	
Isopropylbenzene	ND	5.0	2.9	5.00	
p-Isopropyltoluene	ND	5.0	0.79	5.00	
Methylene Chloride	ND	50	19	5.00	
4-Methyl-2-Pentanone	ND	50	22	5.00	
Naphthalene	ND	50	25	5.00	
n-Propylbenzene	ND	5.0	0.86	5.00	
Styrene	ND	5.0	0.86	5.00	
1,1,1,2-Tetrachloroethane	ND	5.0	2.0	5.00	
1,1,2,2-Tetrachloroethane	ND	5.0	2.0	5.00	
Tetrachloroethene	2.8	5.0	1.9	5.00	J
Toluene	ND	5.0	1.2	5.00	
1,2,3-Trichlorobenzene	ND	5.0	2.5	5.00	
1,2,4-Trichlorobenzene	ND	5.0	2.5	5.00	
1,1,1-Trichloroethane	ND	5.0	1.5	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	20	5.00	
1,1,2-Trichloroethane	2.3	5.0	1.9	5.00	J
Trichloroethene	9.9	5.0	1.8	5.00	
Trichlorofluoromethane	ND	50	17	5.00	
1,2,3-Trichloropropane	ND	25	3.2	5.00	
1,2,4-Trimethylbenzene	ND	5.0	1.8	5.00	
1,3,5-Trimethylbenzene	ND	5.0	1.4	5.00	
Vinyl Acetate	ND	50	28	5.00	
Vinyl Chloride	ND	2.5	1.5	5.00	
p/m-Xylene	ND	5.0	1.5	5.00	
o-Xylene	ND	5.0	1.1	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	77-120	
Dibromofluoromethane	103	80-128	
1,2-Dichloroethane-d4	97	80-129	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-25279**	**N/A**	**Aqueous**	**GC/MS CC**	**02/28/18**	**02/28/18 11:30**	**180228L007**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	77-120	
Dibromofluoromethane	97	80-128	
1,2-Dichloroethane-d4	94	80-129	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-25293**	**N/A**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 11:24**	**180301L006**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	102	80-128	
1,2-Dichloroethane-d4	94	80-129	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 3510C
Method: EPA 8270C (M) SIM Isotope Dil

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-02-1946-5	**Sample**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 15:31**	**180228S07**
18-02-1946-5	**Matrix Spike**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 15:46**	**180228S07**
18-02-1946-5	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 16:01**	**180228S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	20.00	19.65	98	20.42	102	50-130	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-21	**Sample**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 12:47**	**180301S002**
MW-21	**Matrix Spike**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 13:44**	**180301S002**
MW-21	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 14:13**	**180301S002**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	250.0	278.0	111	271.8	109	34-166	2	0-33	
Benzene	ND	250.0	292.6	117	289.4	116	75-125	1	0-20	
Bromobenzene	ND	250.0	274.7	110	270.7	108	75-125	1	0-20	
Bromochloromethane	ND	250.0	279.4	112	280.3	112	75-125	0	0-20	
Bromodichloromethane	ND	250.0	287.7	115	288.5	115	75-134	0	0-20	
Bromoform	ND	250.0	325.8	130	328.0	131	74-134	1	0-20	
Bromomethane	ND	250.0	216.6	87	204.3	82	20-168	6	0-40	
2-Butanone	ND	250.0	262.2	105	250.2	100	37-157	5	0-20	
n-Butylbenzene	ND	250.0	315.2	126	325.0	130	73-145	3	0-20	
sec-Butylbenzene	ND	250.0	279.5	112	283.5	113	75-135	1	0-20	
tert-Butylbenzene	ND	250.0	251.8	101	258.4	103	75-136	3	0-20	
Carbon Disulfide	ND	250.0	320.3	128	322.1	129	50-152	1	0-27	
Carbon Tetrachloride	ND	250.0	341.0	136	344.1	138	70-154	1	0-20	
Chlorobenzene	ND	250.0	269.2	108	270.9	108	75-125	1	0-20	
Chloroethane	ND	250.0	260.4	104	257.2	103	41-167	1	0-26	
Chloroform	ND	250.0	278.3	111	280.0	112	75-127	1	0-20	
Chloromethane	ND	250.0	287.2	115	282.2	113	41-149	2	0-20	
2-Chlorotoluene	ND	250.0	276.3	111	276.0	110	75-128	0	0-20	
4-Chlorotoluene	ND	250.0	259.8	104	266.3	107	75-125	2	0-20	
Dibromochloromethane	ND	250.0	273.8	110	274.3	110	75-131	0	0-20	
1,2-Dibromo-3-Chloropropane	ND	250.0	259.8	104	259.6	104	64-142	0	0-20	
1,2-Dibromoethane	ND	250.0	267.5	107	265.3	106	75-129	1	0-20	
Dibromomethane	ND	250.0	265.7	106	261.2	104	75-125	2	0-20	
1,2-Dichlorobenzene	ND	250.0	255.4	102	258.5	103	75-125	1	0-20	
1,3-Dichlorobenzene	ND	250.0	257.8	103	261.2	104	75-125	1	0-20	
1,4-Dichlorobenzene	ND	250.0	253.0	101	258.8	104	75-125	2	0-20	
Dichlorodifluoromethane	ND	250.0	265.4	106	271.5	109	25-157	2	0-26	
1,1-Dichloroethane	7.546	250.0	301.2	117	303.0	118	73-139	1	0-20	
1,2-Dichloroethane	ND	250.0	248.9	100	242.2	97	75-125	3	0-20	
1,1-Dichloroethene	882.0	250.0	1124	97	1123	97	61-145	0	0-20	
c-1,2-Dichloroethene	ND	250.0	291.6	117	291.4	117	75-125	0	0-20	
t-1,2-Dichloroethene	ND	250.0	309.0	124	311.6	125	64-142	1	0-20	
1,2-Dichloropropane	ND	250.0	284.4	114	285.0	114	75-127	0	0-20	
1,3-Dichloropropane	ND	250.0	267.9	107	266.7	107	75-125	0	0-20	
2,2-Dichloropropane	ND	250.0	255.7	102	253.9	102	24-180	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	250.0	293.4	117	295.9	118	75-135	1	0-20	
c-1,3-Dichloropropene	ND	250.0	286.5	115	286.5	115	75-137	0	0-20	
t-1,3-Dichloropropene	ND	250.0	255.9	102	257.2	103	74-146	1	0-20	
Ethylbenzene	ND	250.0	281.1	112	282.5	113	75-129	1	0-20	
2-Hexanone	ND	250.0	239.6	96	249.4	100	47-161	4	0-20	
Isopropylbenzene	ND	250.0	274.7	110	275.8	110	75-135	0	0-20	
p-Isopropyltoluene	ND	250.0	255.8	102	263.7	105	75-136	3	0-20	
Methylene Chloride	ND	250.0	303.9	122	302.2	121	63-141	1	0-20	
4-Methyl-2-Pentanone	ND	250.0	268.8	108	265.9	106	66-138	1	0-20	
Naphthalene	ND	250.0	283.8	114	298.4	119	59-143	5	0-20	
n-Propylbenzene	ND	250.0	293.5	117	292.5	117	75-133	0	0-20	
Styrene	ND	250.0	271.6	109	279.0	112	70-142	3	0-28	
1,1,1,2-Tetrachloroethane	ND	250.0	289.2	116	289.0	116	75-139	0	0-20	
1,1,2,2-Tetrachloroethane	ND	250.0	262.4	105	260.7	104	61-145	1	0-20	
Tetrachloroethene	ND	250.0	268.2	107	267.7	107	47-143	0	0-20	
Toluene	ND	250.0	292.9	117	288.8	116	75-125	1	0-20	
1,2,3-Trichlorobenzene	ND	250.0	246.6	99	254.6	102	73-133	3	0-20	
1,2,4-Trichlorobenzene	ND	250.0	289.1	116	301.0	120	71-137	4	0-20	
1,1,1-Trichloroethane	ND	250.0	275.6	110	279.6	112	75-136	1	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250.0	315.1	126	314.4	126	42-168	0	0-22	
1,1,2-Trichloroethane	ND	250.0	277.5	111	274.9	110	75-125	1	0-20	
Trichloroethene	9.898	250.0	299.3	116	297.4	115	67-139	1	0-20	
Trichlorofluoromethane	ND	250.0	237.1	95	239.3	96	59-155	1	0-20	
1,2,3-Trichloropropane	ND	250.0	265.9	106	262.8	105	75-127	1	0-20	
1,2,4-Trimethylbenzene	ND	250.0	260.7	104	270.9	108	75-133	4	0-20	
1,3,5-Trimethylbenzene	ND	250.0	278.2	111	280.3	112	75-135	1	0-20	
Vinyl Acetate	ND	250.0	253.3	101	254.2	102	54-180	0	0-25	
Vinyl Chloride	ND	250.0	271.2	108	274.0	110	51-153	1	0-20	
p/m-Xylene	ND	500.0	561.3	112	564.8	113	75-133	1	0-20	
o-Xylene	ND	250.0	280.1	112	281.0	112	75-134	0	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	250.0	258.1	103	259.0	104	64-136	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Hargis + Associates, Inc.		Date Received:	02/27/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1875
San Diego, CA 92122-6215		Preparation:	EPA 3510C
		Method:	EPA 8270C (M) SIM Isotope Dil
Project: Raytheon Main / 532.30			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-216-1281	**LCS**	**Aqueous**	**GC/MS DDD**	**02/28/18**	**02/28/18 15:00**	**180228L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	20.00	19.69	98	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-25279	**LCS**	**Aqueous**	**GC/MS CC**	**02/28/18**	**02/28/18 09:27**	**180228L007**
099-14-001-25279	**LCSD**	**Aqueous**	**GC/MS CC**	**02/28/18**	**02/28/18 09:55**	**180228L007**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	55.33	111	56.24	112	53-137	39-151	2	0-21	
Benzene	50.00	55.14	110	52.91	106	79-121	72-128	4	0-20	
Bromobenzene	50.00	54.52	109	52.92	106	80-120	73-127	3	0-20	
Bromochloromethane	50.00	57.17	114	55.17	110	80-122	73-129	4	0-20	
Bromodichloromethane	50.00	57.16	114	55.81	112	80-124	73-131	2	0-20	
Bromoform	50.00	67.47	135	69.01	138	73-127	64-136	2	0-20	ME,X
Bromomethane	50.00	31.52	63	30.35	61	50-150	33-167	4	0-26	
2-Butanone	50.00	49.12	98	46.76	94	60-126	49-137	5	0-20	
n-Butylbenzene	50.00	62.52	125	62.02	124	72-138	61-149	1	0-20	
sec-Butylbenzene	50.00	54.77	110	53.54	107	77-131	68-140	2	0-20	
tert-Butylbenzene	50.00	49.93	100	48.72	97	80-125	72-132	2	0-20	
Carbon Disulfide	50.00	58.37	117	55.32	111	50-150	33-167	5	0-22	
Carbon Tetrachloride	50.00	65.39	131	62.11	124	65-143	52-156	5	0-20	
Chlorobenzene	50.00	52.91	106	51.36	103	80-120	73-127	3	0-20	
Chloroethane	50.00	46.40	93	44.26	89	62-128	51-139	5	0-20	
Chloroform	50.00	52.46	105	51.07	102	80-120	73-127	3	0-20	
Chloromethane	50.00	49.72	99	45.47	91	43-133	28-148	9	0-20	
2-Chlorotoluene	50.00	54.23	108	52.52	105	80-121	73-128	3	0-20	
4-Chlorotoluene	50.00	52.23	104	51.78	104	80-120	73-127	1	0-20	
Dibromochloromethane	50.00	55.47	111	54.97	110	80-123	73-130	1	0-20	
1,2-Dibromo-3-Chloropropane	50.00	54.81	110	55.60	111	66-126	56-136	1	0-20	
1,2-Dibromoethane	50.00	53.06	106	53.72	107	80-120	73-127	1	0-20	
Dibromomethane	50.00	50.69	101	50.26	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	51.65	103	51.27	103	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	51.92	104	51.57	103	80-120	73-127	1	0-20	
1,4-Dichlorobenzene	50.00	51.47	103	50.86	102	80-120	73-127	1	0-20	
Dichlorodifluoromethane	50.00	48.36	97	45.67	91	50-150	33-167	6	0-30	
1,1-Dichloroethane	50.00	55.52	111	53.36	107	72-126	63-135	4	0-20	
1,2-Dichloroethane	50.00	48.64	97	47.90	96	76-120	69-127	2	0-20	
1,1-Dichloroethene	50.00	55.19	110	52.66	105	66-132	55-143	5	0-20	
c-1,2-Dichloroethene	50.00	55.33	111	52.94	106	78-120	71-127	4	0-20	
t-1,2-Dichloroethene	50.00	57.69	115	54.86	110	66-132	55-143	5	0-20	
1,2-Dichloropropane	50.00	54.58	109	53.23	106	80-120	73-127	3	0-20	
1,3-Dichloropropane	50.00	52.49	105	52.45	105	80-120	73-127	0	0-20	
2,2-Dichloropropane	50.00	53.90	108	50.44	101	50-150	33-167	7	0-20	
1,1-Dichloropropene	50.00	54.31	109	52.22	104	75-123	67-131	4	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B

Project: Raytheon Main / 532.30

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	58.23	116	56.19	112	77-131	68-140	4	0-20	
t-1,3-Dichloropropene	50.00	53.70	107	52.64	105	76-136	66-146	2	0-20	
Ethylbenzene	50.00	54.76	110	53.04	106	80-120	73-127	3	0-20	
2-Hexanone	50.00	51.34	103	49.09	98	63-123	53-133	4	0-20	
Isopropylbenzene	50.00	53.51	107	51.57	103	80-128	72-136	4	0-20	
p-Isopropyltoluene	50.00	52.19	104	51.62	103	73-133	63-143	1	0-20	
Methylene Chloride	50.00	57.52	115	54.90	110	61-133	49-145	5	0-27	
4-Methyl-2-Pentanone	50.00	53.97	108	54.33	109	65-125	55-135	1	0-20	
Naphthalene	50.00	59.78	120	61.93	124	69-129	59-139	4	0-20	
n-Propylbenzene	50.00	55.86	112	54.12	108	80-128	72-136	3	0-20	
Styrene	50.00	54.42	109	53.68	107	80-126	72-134	1	0-20	
1,1,1,2-Tetrachloroethane	50.00	57.74	115	56.64	113	80-129	72-137	2	0-20	
1,1,2,2-Tetrachloroethane	50.00	50.88	102	52.12	104	74-122	66-130	2	0-20	
Tetrachloroethene	50.00	50.61	101	48.86	98	55-139	41-153	4	0-23	
Toluene	50.00	54.91	110	52.60	105	80-120	73-127	4	0-20	
1,2,3-Trichlorobenzene	50.00	51.13	102	51.87	104	72-132	62-142	1	0-20	
1,2,4-Trichlorobenzene	50.00	61.80	124	62.34	125	74-134	64-144	1	0-20	
1,1,1-Trichloroethane	50.00	52.58	105	50.84	102	76-124	68-132	3	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	56.22	112	54.05	108	54-150	38-166	4	0-30	
1,1,2-Trichloroethane	50.00	52.99	106	52.85	106	80-120	73-127	0	0-20	
Trichloroethene	50.00	54.73	109	52.20	104	79-121	72-128	5	0-20	
Trichlorofluoromethane	50.00	42.46	85	40.22	80	72-132	62-142	5	0-20	
1,2,3-Trichloropropane	50.00	51.34	103	52.13	104	75-123	67-131	2	0-20	
1,2,4-Trimethylbenzene	50.00	54.63	109	54.25	108	74-128	65-137	1	0-20	
1,3,5-Trimethylbenzene	50.00	54.99	110	53.48	107	77-131	68-140	3	0-20	
Vinyl Acetate	50.00	50.24	100	49.29	99	50-150	33-167	2	0-20	
Vinyl Chloride	50.00	46.86	94	44.88	90	63-129	52-140	4	0-20	
p/m-Xylene	100.0	109.2	109	106.4	106	80-122	73-129	3	0-20	
o-Xylene	50.00	55.07	110	53.71	107	80-128	72-136	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	52.84	106	52.49	105	69-123	60-132	1	0-20	

Total number of LCS compounds: 66
Total number of ME compounds: 1
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B

Project: Raytheon Main / 532.30

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-25293	**LCS**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 09:20**	**180301L006**
099-14-001-25293	**LCSD**	**Aqueous**	**GC/MS CC**	**03/01/18**	**03/01/18 09:48**	**180301L006**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	64.35	129	54.85	110	53-137	39-151	16	0-21	
Benzene	50.00	56.92	114	54.19	108	79-121	72-128	5	0-20	
Bromobenzene	50.00	54.85	110	52.94	106	80-120	73-127	4	0-20	
Bromochloromethane	50.00	51.47	103	57.44	115	80-122	73-129	11	0-20	
Bromodichloromethane	50.00	58.34	117	55.68	111	80-124	73-131	5	0-20	
Bromoform	50.00	71.24	142	66.32	133	73-127	64-136	7	0-20	X,ME
Bromomethane	50.00	38.10	76	37.26	75	50-150	33-167	2	0-26	
2-Butanone	50.00	61.51	123	49.47	99	60-126	49-137	22	0-20	X
n-Butylbenzene	50.00	60.55	121	58.62	117	72-138	61-149	3	0-20	
sec-Butylbenzene	50.00	53.21	106	52.59	105	77-131	68-140	1	0-20	
tert-Butylbenzene	50.00	48.97	98	47.39	95	80-125	72-132	3	0-20	
Carbon Disulfide	50.00	61.32	123	58.26	117	50-150	33-167	5	0-22	
Carbon Tetrachloride	50.00	66.12	132	63.25	127	65-143	52-156	4	0-20	
Chlorobenzene	50.00	53.46	107	51.27	103	80-120	73-127	4	0-20	
Chloroethane	50.00	47.93	96	46.24	92	62-128	51-139	4	0-20	
Chloroform	50.00	54.45	109	52.60	105	80-120	73-127	3	0-20	
Chloromethane	50.00	54.16	108	50.79	102	43-133	28-148	6	0-20	
2-Chlorotoluene	50.00	53.97	108	51.58	103	80-121	73-128	5	0-20	
4-Chlorotoluene	50.00	51.16	102	50.35	101	80-120	73-127	2	0-20	
Dibromochloromethane	50.00	57.03	114	53.94	108	80-123	73-130	6	0-20	
1,2-Dibromo-3-Chloropropane	50.00	62.50	125	53.04	106	66-126	56-136	16	0-20	
1,2-Dibromoethane	50.00	56.80	114	52.23	104	80-120	73-127	8	0-20	
Dibromomethane	50.00	54.01	108	50.88	102	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	50.00	51.46	103	51.08	102	80-120	73-127	1	0-20	
1,3-Dichlorobenzene	50.00	51.00	102	50.45	101	80-120	73-127	1	0-20	
1,4-Dichlorobenzene	50.00	50.91	102	50.22	100	80-120	73-127	1	0-20	
Dichlorodifluoromethane	50.00	47.83	96	46.02	92	50-150	33-167	4	0-30	
1,1-Dichloroethane	50.00	57.51	115	55.35	111	72-126	63-135	4	0-20	
1,2-Dichloroethane	50.00	49.81	100	47.28	95	76-120	69-127	5	0-20	
1,1-Dichloroethene	50.00	55.86	112	53.24	106	66-132	55-143	5	0-20	
c-1,2-Dichloroethene	50.00	57.38	115	55.28	111	78-120	71-127	4	0-20	
t-1,2-Dichloroethene	50.00	59.66	119	57.50	115	66-132	55-143	4	0-20	
1,2-Dichloropropane	50.00	56.36	113	54.55	109	80-120	73-127	3	0-20	
1,3-Dichloropropane	50.00	55.47	111	52.40	105	80-120	73-127	6	0-20	
2,2-Dichloropropane	50.00	52.48	105	49.15	98	50-150	33-167	7	0-20	
1,1-Dichloropropene	50.00	55.62	111	52.82	106	75-123	67-131	5	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/27/18
Work Order: 18-02-1875
Preparation: EPA 5030C
Method: EPA 8260B

Project: Raytheon Main / 532.30

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	58.64	117	55.86	112	77-131	68-140	5	0-20	
t-1,3-Dichloropropene	50.00	53.05	106	50.96	102	76-136	66-146	4	0-20	
Ethylbenzene	50.00	54.66	109	52.91	106	80-120	73-127	3	0-20	
2-Hexanone	50.00	58.18	116	47.64	95	63-123	53-133	20	0-20	
Isopropylbenzene	50.00	52.69	105	50.87	102	80-128	72-136	4	0-20	
p-Isopropyltoluene	50.00	49.74	99	48.51	97	73-133	63-143	3	0-20	
Methylene Chloride	50.00	59.93	120	58.13	116	61-133	49-145	3	0-27	
4-Methyl-2-Pentanone	50.00	61.39	123	51.63	103	65-125	55-135	17	0-20	
Naphthalene	50.00	67.23	134	59.64	119	69-129	59-139	12	0-20	ME
n-Propylbenzene	50.00	55.54	111	53.39	107	80-128	72-136	4	0-20	
Styrene	50.00	54.94	110	53.19	106	80-126	72-134	3	0-20	
1,1,1,2-Tetrachloroethane	50.00	57.73	115	55.97	112	80-129	72-137	3	0-20	
1,1,2,2-Tetrachloroethane	50.00	57.03	114	51.49	103	74-122	66-130	10	0-20	
Tetrachloroethene	50.00	50.13	100	47.63	95	55-139	41-153	5	0-23	
Toluene	50.00	56.32	113	53.99	108	80-120	73-127	4	0-20	
1,2,3-Trichlorobenzene	50.00	52.95	106	50.06	100	72-132	62-142	6	0-20	
1,2,4-Trichlorobenzene	50.00	61.39	123	58.75	117	74-134	64-144	4	0-20	
1,1,1-Trichloroethane	50.00	53.13	106	51.15	102	76-124	68-132	4	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	57.87	116	54.67	109	54-150	38-166	6	0-30	
1,1,2-Trichloroethane	50.00	56.58	113	52.88	106	80-120	73-127	7	0-20	
Trichloroethene	50.00	54.82	110	52.83	106	79-121	72-128	4	0-20	
Trichlorofluoromethane	50.00	42.78	86	41.55	83	72-132	62-142	3	0-20	
1,2,3-Trichloropropane	50.00	58.80	118	51.52	103	75-123	67-131	13	0-20	
1,2,4-Trimethylbenzene	50.00	52.08	104	51.58	103	74-128	65-137	1	0-20	
1,3,5-Trimethylbenzene	50.00	54.17	108	51.77	104	77-131	68-140	5	0-20	
Vinyl Acetate	50.00	53.67	107	49.86	100	50-150	33-167	7	0-20	
Vinyl Chloride	50.00	49.02	98	46.68	93	63-129	52-140	5	0-20	
p/m-Xylene	100.0	109.6	110	105.5	105	80-122	73-129	4	0-20	
o-Xylene	50.00	54.80	110	52.86	106	80-128	72-136	4	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	55.28	111	51.61	103	69-123	60-132	7	0-20	

Total number of LCS compounds: 66
Total number of ME compounds: 2
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 18-02-1875 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	1055	GC/MS CC	2
EPA 8270C (M) SIM Isotope Dil	EPA 3510C	928	GC/MS DDD	1

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Glossary of Terms and Qualifiers

Work Order: 18-02-1875 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

18-02-1875

Date: 2/27/18
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PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858.455.6500
Fax 858.455.6533

Sampled By: T. Evans, A. Donnelly

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 500mL Amber	CONTAINERS: 1 L amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	Expected Concetration Range (ppb) for VOA's: 0 - 10	10- 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 hr TAT	Standard TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1	TB-022718B	2/27/18	730		X	X	X	2			X			X						X			Report J Flags
2	MW-32B	"	1450	X		X	X	3			X				X					X			
	↓		↓	X			X			1			X						X			
3	MW-21		1615	X		X	X	3			X						X			X			
	↓		↓	X			X			1			X						X			
Total number of containers per analysis:								8		1													Total No. of Containers:

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
T. Evans / HA	2/27/18 1630	Jeff Chandler / IDS/FCI	2/27/18 1630
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Jeff Chandler	2/27/18 1715	[signature]	2/27/18 1715

- ☐ No. of containers correct
- ☐ Received in good condition
- ☐ Custody seals secure
- ☐ Conforms to COC document

_____ Temperature on receipt

Laboratory
Eurofins Calscience, Inc.
Attn: Virendra Patel
7440 Lincoln Way
Garden Grove, CA 92891
714-895-5494

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.5400
snetto@hargis.com

Instructions

1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

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WORK ORDER NUMBER: 18-02-1875

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Hargis

DATE: 02/27/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 2.2 °C (w/ CF): 2.4 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 1091

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1091

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 728

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: N/A)

Aqueous: ☐ VOA ☑ VOAh (3) ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☑ 500AGB (-3) ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☑ 1AGB (-2) ☐ 1AGBna_2 ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na_2** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 728

Reviewed by: 1140

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WORK ORDER NUMBER: 18-02-1981

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Hargis + Associates, Inc.

Client Project Name: Raytheon Main / 532.30

Attention: Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122-6215

Approved for release on 03/07/2018 by:
Virendra Patel
Project Manager

ResultLink

Email your PM

Eurofins Calscience (Calscience) certifies that the test results provided in this report meet all NELAC Institute requirements for parameters for which accreditation is required or available. Any exceptions to NELAC Institute requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 18-02-1981

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Work Order Narrative

Work Order: 18-02-1981 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/28/18. They were assigned to Work Order 18-02-1981.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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Sample Summary

Client:	Hargis + Associates, Inc. 9171 Towne Centre Drive, Suite 375 San Diego, CA 92122-6215	Work Order:	18-02-1981
		Project Name:	Raytheon Main / 532.30
		PO Number:	
		Date/Time Received:	02/28/18 17:15
		Number of Containers:	6
Attn:	Steve Netto		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
TB-022818B	18-02-1981-1	02/28/18 07:30	2	Aqueous
MW-30B	18-02-1981-2	02/28/18 14:20	4	Aqueous

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Detections Summary

Client:	Hargis + Associates, Inc. 9171 Towne Centre Drive, Suite 375 San Diego, CA 92122-6215	Work Order:	18-02-1981
		Project Name:	Raytheon Main / 532.30
		Received:	02/28/18
Attn:	Steve Netto		Page 1 of 1

Client SampleID Analyte	Result	Qualifiers	RL	Units	Method	Extraction
TB-022818B (18-02-1981-1)						
n-Butylbenzene	0.37	B,J	0.23*	ug/L	EPA 8260B	EPA 5030C
4-Chlorotoluene	0.16	J	0.13*	ug/L	EPA 8260B	EPA 5030C
p-Isopropyltoluene	0.20	B,J	0.16*	ug/L	EPA 8260B	EPA 5030C
MW-30B (18-02-1981-2)						
Benzene	0.20	J	0.14*	ug/L	EPA 8260B	EPA 5030C
n-Butylbenzene	0.26	J	0.23*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	17		1.0	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	5.4		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	83		1.0	ug/L	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 3510C
Method: EPA 8270C (M) SIM Isotope Dil
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-30B	**18-02-1981-2-D**	**02/28/18 14:20**	**Aqueous**	**GC/MS DDD**	**03/02/18**	**03/03/18 00:48**	**180302L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	102	56-123	
1,4-Dioxane-d8(IDS-IS)	38	30-120	

Method Blank	099-16-216-1284	N/A	Aqueous	GC/MS DDD	03/02/18	03/02/18 20:54	180302L06

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.28	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	100	56-123	
1,4-Dioxane-d8(IDS-IS)	38	30-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-022818B	**18-02-1981-1-A**	**02/28/18 07:30**	**Aqueous**	**GC/MS T**	**03/01/18**	**03/01/18 14:27**	**180301L025**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	0.37	1.0	0.23	1.00	B,J
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	0.16	1.0	0.13	1.00	J
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	0.20	1.0	0.16	1.00	B,J
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	77-120	
Dibromofluoromethane	103	80-128	
1,2-Dichloroethane-d4	102	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-30B	**18-02-1981-2-B**	**02/28/18 14:20**	**Aqueous**	**GC/MS T**	**03/02/18**	**03/02/18 16:41**	**180302L008**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	0.20	0.50	0.14	1.00	J
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	0.26	1.0	0.23	1.00	J
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	17	1.0	0.43	1.00	
c-1,2-Dichloroethene	5.4	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	83	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	77-120	
Dibromofluoromethane	104	80-128	
1,2-Dichloroethane-d4	103	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-25299**	**N/A**	**Aqueous**	**GC/MS T**	**03/01/18**	**03/01/18 13:56**	**180301L025**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	0.29	1.0	0.23	1.00	J
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	0.18	1.0	0.16	1.00	J
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	101	80-128	
1,2-Dichloroethane-d4	101	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Raytheon Main / 532.30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-25308**	**N/A**	**Aqueous**	**GC/MS T**	**03/02/18**	**03/02/18 12:02**	**180302L008**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1.00	
Benzene	ND	0.50	0.14	1.00	
Bromobenzene	ND	1.0	0.30	1.00	
Bromochloromethane	ND	1.0	0.48	1.00	
Bromodichloromethane	ND	1.0	0.21	1.00	
Bromoform	ND	1.0	0.50	1.00	
Bromomethane	ND	10	3.9	1.00	
2-Butanone	ND	10	4.4	1.00	
n-Butylbenzene	ND	1.0	0.23	1.00	
sec-Butylbenzene	ND	1.0	0.25	1.00	
tert-Butylbenzene	ND	1.0	0.28	1.00	
Carbon Disulfide	ND	10	4.1	1.00	
Carbon Tetrachloride	ND	0.50	0.23	1.00	
Chlorobenzene	ND	1.0	0.17	1.00	
Chloroethane	ND	5.0	2.3	1.00	
Chloroform	ND	1.0	0.46	1.00	
Chloromethane	ND	10	3.5	1.00	
2-Chlorotoluene	ND	1.0	0.24	1.00	
4-Chlorotoluene	ND	1.0	0.13	1.00	
Dibromochloromethane	ND	1.0	0.25	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1.00	
1,2-Dibromoethane	ND	1.0	0.36	1.00	
Dibromomethane	ND	1.0	0.46	1.00	
1,2-Dichlorobenzene	ND	1.0	0.46	1.00	
1,3-Dichlorobenzene	ND	1.0	0.40	1.00	
1,4-Dichlorobenzene	ND	1.0	0.43	1.00	
Dichlorodifluoromethane	ND	1.0	0.46	1.00	
1,1-Dichloroethane	ND	1.0	0.28	1.00	
1,2-Dichloroethane	ND	0.50	0.24	1.00	
1,1-Dichloroethene	ND	1.0	0.43	1.00	
c-1,2-Dichloroethene	ND	1.0	0.48	1.00	
t-1,2-Dichloroethene	ND	1.0	0.37	1.00	
1,2-Dichloropropane	ND	1.0	0.42	1.00	
1,3-Dichloropropane	ND	1.0	0.30	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: Raytheon Main / 532.30			Page 8 of 8

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1.00	
1,1-Dichloropropene	ND	1.0	0.46	1.00	
c-1,3-Dichloropropene	ND	0.50	0.25	1.00	
t-1,3-Dichloropropene	ND	0.50	0.25	1.00	
Ethylbenzene	ND	1.0	0.14	1.00	
2-Hexanone	ND	10	4.2	1.00	
Isopropylbenzene	ND	1.0	0.58	1.00	
p-Isopropyltoluene	ND	1.0	0.16	1.00	
Methylene Chloride	ND	10	3.8	1.00	
4-Methyl-2-Pentanone	ND	10	4.4	1.00	
Naphthalene	ND	10	5.0	1.00	
n-Propylbenzene	ND	1.0	0.17	1.00	
Styrene	ND	1.0	0.17	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1.00	
Tetrachloroethene	ND	1.0	0.39	1.00	
Toluene	ND	1.0	0.24	1.00	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1.00	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1.00	
1,1,1-Trichloroethane	ND	1.0	0.30	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	3.9	1.00	
1,1,2-Trichloroethane	ND	1.0	0.38	1.00	
Trichloroethene	ND	1.0	0.37	1.00	
Trichlorofluoromethane	ND	10	3.3	1.00	
1,2,3-Trichloropropane	ND	5.0	0.64	1.00	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1.00	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1.00	
Vinyl Acetate	ND	10	5.6	1.00	
Vinyl Chloride	ND	0.50	0.30	1.00	
p/m-Xylene	ND	1.0	0.30	1.00	
o-Xylene	ND	1.0	0.23	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	77-120	
Dibromofluoromethane	103	80-128	
1,2-Dichloroethane-d4	102	80-129	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 3510C
Method: EPA 8270C (M) SIM Isotope Dil

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-03-0070-1	**Sample**	**Aqueous**	**GC/MS DDD**	**03/02/18**	**03/02/18 22:28**	**180302S06**
18-03-0070-1	**Matrix Spike**	**Aqueous**	**GC/MS DDD**	**03/02/18**	**03/02/18 21:57**	**180302S06**
18-03-0070-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS DDD**	**03/02/18**	**03/02/18 22:12**	**180302S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	20.00	20.38	102	20.42	102	50-130	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-02-1914-4	**Sample**	**Aqueous**	**GC/MS T**	**03/01/18**	**03/01/18 15:29**	**180301S004**
18-02-1914-4	**Matrix Spike**	**Aqueous**	**GC/MS T**	**03/01/18**	**03/01/18 16:00**	**180301S004**
18-02-1914-4	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**03/01/18**	**03/01/18 16:31**	**180301S004**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	500.0	421.1	84	422.5	84	50-146	0	0-28	
Benzene	ND	500.0	630.8	126	639.2	128	75-125	1	0-20	3
Bromobenzene	ND	500.0	646.7	129	658.6	132	75-125	2	0-20	3
Bromochloromethane	ND	500.0	644.7	129	640.0	128	75-127	1	0-20	3
Bromodichloromethane	ND	500.0	661.7	132	685.4	137	75-128	4	0-20	3
Bromoform	ND	500.0	505.4	101	551.1	110	69-129	9	0-20	
Bromomethane	ND	500.0	495.4	99	523.0	105	26-176	5	0-40	
2-Butanone	ND	500.0	530.1	106	518.2	104	62-134	2	0-20	
n-Butylbenzene	ND	500.0	685.2	137	743.5	149	75-137	8	0-20	3
sec-Butylbenzene	ND	500.0	670.9	134	703.1	141	75-131	5	0-20	3
tert-Butylbenzene	ND	500.0	697.7	140	728.3	146	75-133	4	0-20	3
Carbon Disulfide	ND	500.0	644.6	129	669.5	134	50-152	4	0-31	
Carbon Tetrachloride	ND	500.0	623.0	125	674.4	135	73-145	8	0-20	
Chlorobenzene	ND	500.0	627.1	125	651.1	130	75-125	4	0-20	3
Chloroethane	ND	500.0	567.8	114	580.9	116	59-149	2	0-20	
Chloroform	7580	500.0	8058	96	8042	93	75-125	0	0-20	
Chloromethane	ND	500.0	504.7	101	529.1	106	55-145	5	0-20	
2-Chlorotoluene	ND	500.0	657.4	131	669.8	134	75-125	2	0-20	3
4-Chlorotoluene	ND	500.0	639.2	128	660.8	132	75-125	3	0-20	3
Dibromochloromethane	ND	500.0	609.4	122	655.1	131	75-129	7	0-20	3
1,2-Dibromo-3-Chloropropane	ND	500.0	558.1	112	578.7	116	69-135	4	0-20	
1,2-Dibromoethane	ND	500.0	627.1	125	644.7	129	75-125	3	0-20	3
Dibromomethane	ND	500.0	638.1	128	642.6	129	75-125	1	0-20	3
1,2-Dichlorobenzene	ND	500.0	637.9	128	654.0	131	75-125	2	0-20	3
1,3-Dichlorobenzene	ND	500.0	633.9	127	656.0	131	75-125	3	0-20	3
1,4-Dichlorobenzene	ND	500.0	629.2	126	649.7	130	75-125	3	0-20	3
Dichlorodifluoromethane	ND	500.0	394.8	79	389.2	78	25-169	1	0-20	
1,1-Dichloroethane	ND	500.0	675.8	135	683.7	137	75-125	1	0-20	3
1,2-Dichloroethane	ND	500.0	633.2	127	644.7	129	75-125	2	0-20	3
1,1-Dichloroethene	ND	500.0	660.8	132	685.1	137	64-142	4	0-22	
c-1,2-Dichloroethene	327.1	500.0	989.8	133	997.8	134	75-128	1	0-20	3
t-1,2-Dichloroethene	ND	500.0	653.7	131	672.9	135	76-136	3	0-20	
1,2-Dichloropropane	ND	500.0	641.5	128	648.5	130	75-125	1	0-20	3
1,3-Dichloropropane	ND	500.0	614.1	123	622.3	124	75-125	1	0-20	
2,2-Dichloropropane	ND	500.0	694.8	139	701.6	140	32-170	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122-6215

Project: Raytheon Main / 532.30

Date Received: 02/28/18
Work Order: 18-02-1981
Preparation: EPA 5030C
Method: EPA 8260B

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	500.0	653.1	131	674.8	135	75-133	3	0-20	3
c-1,3-Dichloropropene	ND	500.0	639.0	128	640.0	128	75-133	0	0-20	
t-1,3-Dichloropropene	ND	500.0	636.8	127	657.4	131	74-140	3	0-20	
Ethylbenzene	ND	500.0	662.7	133	682.7	137	75-125	3	0-20	3
2-Hexanone	ND	500.0	536.8	107	542.7	109	59-143	1	0-20	
Isopropylbenzene	ND	500.0	658.1	132	686.3	137	75-133	4	0-20	3
p-Isopropyltoluene	ND	500.0	673.5	135	707.9	142	75-132	5	0-20	3
Methylene Chloride	ND	500.0	672.8	135	674.2	135	75-130	0	0-20	3
4-Methyl-2-Pentanone	ND	500.0	579.8	116	584.7	117	66-138	1	0-20	
Naphthalene	ND	500.0	592.8	119	621.2	124	71-131	5	0-20	
n-Propylbenzene	ND	500.0	667.5	133	687.0	137	75-132	3	0-20	3
Styrene	ND	500.0	669.3	134	685.1	137	75-132	2	0-40	3
1,1,1,2-Tetrachloroethane	ND	500.0	564.2	113	591.6	118	75-130	5	0-20	
1,1,2,2-Tetrachloroethane	ND	500.0	598.5	120	632.1	126	75-131	5	0-20	
Tetrachloroethene	ND	500.0	545.1	109	516.6	103	59-131	5	0-20	
Toluene	ND	500.0	656.6	131	667.1	133	75-125	2	0-20	3
1,2,3-Trichlorobenzene	ND	500.0	646.7	129	661.3	132	75-129	2	0-20	3
1,2,4-Trichlorobenzene	ND	500.0	658.4	132	686.4	137	73-133	4	0-20	3
1,1,1-Trichloroethane	ND	500.0	665.2	133	693.4	139	75-132	4	0-20	3
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	500.0	560.6	112	580.6	116	47-161	3	0-24	
1,1,2-Trichloroethane	ND	500.0	619.1	124	636.5	127	75-125	3	0-20	3
Trichloroethene	997.5	500.0	1625	125	1633	127	75-130	1	0-20	
Trichlorofluoromethane	ND	500.0	560.1	112	576.3	115	60-162	3	0-20	
1,2,3-Trichloropropane	ND	500.0	590.6	118	594.3	119	75-132	1	0-20	
1,2,4-Trimethylbenzene	ND	500.0	661.6	132	688.8	138	75-126	4	0-20	3
1,3,5-Trimethylbenzene	ND	500.0	660.3	132	685.2	137	75-133	4	0-20	3
Vinyl Acetate	ND	500.0	619.2	124	624.5	125	20-161	1	0-40	
Vinyl Chloride	ND	500.0	560.5	112	610.5	122	61-151	9	0-20	
p/m-Xylene	ND	1000	1319	132	1360	136	75-133	3	0-20	3
o-Xylene	ND	500.0	672.7	135	691.9	138	75-136	3	0-20	3
Methyl-t-Butyl Ether (MTBE)	ND	500.0	607.4	121	614.5	123	75-128	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Raytheon Main / 532.30			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
18-02-1996-2	**Sample**	**Aqueous**	**GC/MS T**	**03/02/18**	**03/02/18 12:33**	**180302S003**
18-02-1996-2	**Matrix Spike**	**Aqueous**	**GC/MS T**	**03/02/18**	**03/02/18 13:35**	**180302S003**
18-02-1996-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS T**	**03/02/18**	**03/02/18 14:06**	**180302S003**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acetone	ND	50.00	48.00	96	49.68	99	34-166	3	0-33	
Benzene	ND	50.00	62.20	124	63.11	126	75-125	1	0-20	3
Bromobenzene	ND	50.00	63.70	127	64.56	129	75-125	1	0-20	3
Bromochloromethane	ND	50.00	66.10	132	66.06	132	75-125	0	0-20	3
Bromodichloromethane	ND	50.00	64.36	129	67.27	135	75-134	4	0-20	3
Bromoform	ND	50.00	49.53	99	55.93	112	74-134	12	0-20	
Bromomethane	ND	50.00	49.61	99	50.72	101	20-168	2	0-40	
2-Butanone	ND	50.00	53.94	108	52.71	105	37-157	2	0-20	
n-Butylbenzene	ND	50.00	70.36	141	63.50	127	73-145	10	0-20	
sec-Butylbenzene	ND	50.00	68.62	137	66.49	133	75-135	3	0-20	3
tert-Butylbenzene	ND	50.00	69.93	140	69.33	139	75-136	1	0-20	3
Carbon Disulfide	ND	50.00	65.71	131	67.48	135	50-152	3	0-27	
Carbon Tetrachloride	ND	50.00	64.04	128	67.19	134	70-154	5	0-20	
Chlorobenzene	ND	50.00	62.68	125	63.62	127	75-125	1	0-20	3
Chloroethane	ND	50.00	56.52	113	54.24	108	41-167	4	0-26	
Chloroform	ND	50.00	65.95	132	66.32	133	75-127	1	0-20	3
Chloromethane	ND	50.00	50.62	101	49.07	98	41-149	3	0-20	
2-Chlorotoluene	ND	50.00	64.83	130	65.69	131	75-128	1	0-20	3
4-Chlorotoluene	ND	50.00	63.56	127	66.05	132	75-125	4	0-20	3
Dibromochloromethane	ND	50.00	59.06	118	63.59	127	75-131	7	0-20	
1,2-Dibromo-3-Chloropropane	ND	50.00	54.55	109	60.44	121	64-142	10	0-20	
1,2-Dibromoethane	ND	50.00	61.76	124	63.60	127	75-129	3	0-20	
Dibromomethane	ND	50.00	63.07	126	64.28	129	75-125	2	0-20	3
1,2-Dichlorobenzene	ND	50.00	63.00	126	65.36	131	75-125	4	0-20	3
1,3-Dichlorobenzene	ND	50.00	62.96	126	66.08	132	75-125	5	0-20	3
1,4-Dichlorobenzene	ND	50.00	61.95	124	63.42	127	75-125	2	0-20	3
Dichlorodifluoromethane	ND	50.00	45.68	91	42.62	85	25-157	7	0-26	
1,1-Dichloroethane	ND	50.00	68.43	137	68.56	137	73-139	0	0-20	
1,2-Dichloroethane	1.552	50.00	64.35	126	65.92	129	75-125	2	0-20	3
1,1-Dichloroethene	ND	50.00	66.85	134	68.52	137	61-145	2	0-20	
c-1,2-Dichloroethene	ND	50.00	66.03	132	67.27	135	75-125	2	0-20	3
t-1,2-Dichloroethene	ND	50.00	67.20	134	68.00	136	64-142	1	0-20	
1,2-Dichloropropane	ND	50.00	64.12	128	65.00	130	75-127	1	0-20	3
1,3-Dichloropropane	ND	50.00	60.66	121	61.64	123	75-125	2	0-20	
2,2-Dichloropropane	ND	50.00	76.54	153	78.62	157	24-180	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Raytheon Main / 532.30			Page 5 of 5

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,1-Dichloropropene	ND	50.00	67.92	136	68.80	138	75-135	1	0-20	3
c-1,3-Dichloropropene	ND	50.00	62.93	126	66.40	133	75-137	5	0-20	
t-1,3-Dichloropropene	ND	50.00	62.30	125	66.81	134	74-146	7	0-20	
Ethylbenzene	ND	50.00	66.96	134	67.20	134	75-129	0	0-20	3
2-Hexanone	ND	50.00	54.87	110	56.19	112	47-161	2	0-20	
Isopropylbenzene	ND	50.00	67.38	135	66.37	133	75-135	2	0-20	
p-Isopropyltoluene	ND	50.00	68.54	137	65.33	131	75-136	5	0-20	3
Methylene Chloride	ND	50.00	65.65	131	65.06	130	63-141	1	0-20	
4-Methyl-2-Pentanone	ND	50.00	59.66	119	61.02	122	66-138	2	0-20	
Naphthalene	ND	50.00	60.01	120	64.08	128	59-143	7	0-20	
n-Propylbenzene	ND	50.00	67.79	136	64.30	129	75-133	5	0-20	3
Styrene	ND	50.00	66.43	133	65.07	130	70-142	2	0-28	
1,1,1,2-Tetrachloroethane	ND	50.00	54.45	109	57.09	114	75-139	5	0-20	
1,1,2,2-Tetrachloroethane	ND	50.00	59.46	119	63.59	127	61-145	7	0-20	
Tetrachloroethene	ND	50.00	55.24	110	55.10	110	47-143	0	0-20	
Toluene	ND	50.00	65.62	131	66.60	133	75-125	1	0-20	3
1,2,3-Trichlorobenzene	ND	50.00	63.53	127	66.74	133	73-133	5	0-20	
1,2,4-Trichlorobenzene	ND	50.00	64.85	130	66.20	132	71-137	2	0-20	
1,1,1-Trichloroethane	ND	50.00	67.11	134	68.86	138	75-136	3	0-20	3
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50.00	66.25	133	65.02	130	42-168	2	0-22	
1,1,2-Trichloroethane	ND	50.00	62.13	124	63.34	127	75-125	2	0-20	3
Trichloroethene	ND	50.00	63.76	128	65.50	131	67-139	3	0-20	
Trichlorofluoromethane	ND	50.00	63.19	126	60.47	121	59-155	4	0-20	
1,2,3-Trichloropropane	ND	50.00	59.02	118	61.04	122	75-127	3	0-20	
1,2,4-Trimethylbenzene	ND	50.00	66.18	132	65.52	131	75-133	1	0-20	
1,3,5-Trimethylbenzene	ND	50.00	67.06	134	64.35	129	75-135	4	0-20	
Vinyl Acetate	ND	50.00	58.65	117	64.71	129	54-180	10	0-25	
Vinyl Chloride	ND	50.00	59.64	119	57.54	115	51-153	4	0-20	
p/m-Xylene	ND	100.0	132.7	133	131.7	132	75-133	1	0-20	
o-Xylene	ND	50.00	67.42	135	67.71	135	75-134	0	0-20	3
Methyl-t-Butyl Ether (MTBE)	ND	50.00	61.86	124	65.87	132	64-136	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 3510C
		Method:	EPA 8270C (M) SIM Isotope Dil
Project: Raytheon Main / 532.30			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-216-1284	**LCS**	**Aqueous**	**GC/MS DDD**	**03/02/18**	**03/02/18 21:41**	**180302L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	20.00	19.54	98	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Raytheon Main / 532.30			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-25299	**LCS**	**Aqueous**	**GC/MS T**	**03/01/18**	**03/01/18 12:16**	**180301L025**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	39.83	80	53-137	39-151	
Benzene	50.00	50.47	101	79-121	72-128	
Bromobenzene	50.00	55.08	110	80-120	73-127	
Bromochloromethane	50.00	55.48	111	80-122	73-129	
Bromodichloromethane	50.00	56.39	113	80-124	73-131	
Bromoform	50.00	48.70	97	73-127	64-136	
Bromomethane	50.00	42.40	85	50-150	33-167	
2-Butanone	50.00	47.91	96	60-126	49-137	
n-Butylbenzene	50.00	49.38	99	72-138	61-149	
sec-Butylbenzene	50.00	48.75	98	77-131	68-140	
tert-Butylbenzene	50.00	52.08	104	80-125	72-132	
Carbon Disulfide	50.00	46.79	94	50-150	33-167	
Carbon Tetrachloride	50.00	45.25	91	65-143	52-156	
Chlorobenzene	50.00	52.65	105	80-120	73-127	
Chloroethane	50.00	44.86	90	62-128	51-139	
Chloroform	50.00	53.39	107	80-120	73-127	
Chloromethane	50.00	40.50	81	43-133	28-148	
2-Chlorotoluene	50.00	53.10	106	80-121	73-128	
4-Chlorotoluene	50.00	53.26	107	80-120	73-127	
Dibromochloromethane	50.00	55.08	110	80-123	73-130	
1,2-Dibromo-3-Chloropropane	50.00	54.11	108	66-126	56-136	
1,2-Dibromoethane	50.00	56.53	113	80-120	73-127	
Dibromomethane	50.00	54.65	109	80-120	73-127	
1,2-Dichlorobenzene	50.00	54.56	109	80-120	73-127	
1,3-Dichlorobenzene	50.00	53.42	107	80-120	73-127	
1,4-Dichlorobenzene	50.00	52.99	106	80-120	73-127	
Dichlorodifluoromethane	50.00	24.65	49	50-150	33-167	ME
1,1-Dichloroethane	50.00	54.14	108	72-126	63-135	
1,2-Dichloroethane	50.00	54.80	110	76-120	69-127	
1,1-Dichloroethene	50.00	46.00	92	66-132	55-143	
c-1,2-Dichloroethene	50.00	53.11	106	78-120	71-127	
t-1,2-Dichloroethene	50.00	51.01	102	66-132	55-143	
1,2-Dichloropropane	50.00	54.09	108	80-120	73-127	
1,3-Dichloropropane	50.00	54.11	108	80-120	73-127	
2,2-Dichloropropane	50.00	58.50	117	50-150	33-167	
1,1-Dichloropropene	50.00	46.96	94	75-123	67-131	
c-1,3-Dichloropropene	50.00	56.24	112	77-131	68-140	
t-1,3-Dichloropropene	50.00	58.29	117	76-136	66-146	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Raytheon Main / 532.30			Page 3 of 5

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Ethylbenzene	50.00	52.43	105	80-120	73-127	
2-Hexanone	50.00	50.52	101	63-123	53-133	
Isopropylbenzene	50.00	50.96	102	80-128	72-136	
p-Isopropyltoluene	50.00	50.01	100	73-133	63-143	
Methylene Chloride	50.00	53.40	107	61-133	49-145	
4-Methyl-2-Pentanone	50.00	53.86	108	65-125	55-135	
Naphthalene	50.00	56.12	112	69-129	59-139	
n-Propylbenzene	50.00	50.44	101	80-128	72-136	
Styrene	50.00	55.75	112	80-126	72-134	
1,1,1,2-Tetrachloroethane	50.00	48.59	97	80-129	72-137	
1,1,2,2-Tetrachloroethane	50.00	53.47	107	74-122	66-130	
Tetrachloroethene	50.00	43.10	86	55-139	41-153	
Toluene	50.00	52.54	105	80-120	73-127	
1,2,3-Trichlorobenzene	50.00	56.83	114	72-132	62-142	
1,2,4-Trichlorobenzene	50.00	57.05	114	74-134	64-144	
1,1,1-Trichloroethane	50.00	49.46	99	76-124	68-132	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	33.76	68	54-150	38-166	
1,1,2-Trichloroethane	50.00	55.38	111	80-120	73-127	
Trichloroethene	50.00	50.08	100	79-121	72-128	
Trichlorofluoromethane	50.00	37.07	74	72-132	62-142	
1,2,3-Trichloropropane	50.00	54.52	109	75-123	67-131	
1,2,4-Trimethylbenzene	50.00	53.15	106	74-128	65-137	
1,3,5-Trimethylbenzene	50.00	52.22	104	77-131	68-140	
Vinyl Acetate	50.00	57.77	116	50-150	33-167	
Vinyl Chloride	50.00	41.21	82	63-129	52-140	
p/m-Xylene	100.0	105.4	105	80-122	73-129	
o-Xylene	50.00	55.37	111	80-128	72-136	
Methyl-t-Butyl Ether (MTBE)	50.00	54.13	108	69-123	60-132	

Total number of LCS compounds: 66
Total number of ME compounds: 1
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Raytheon Main / 532.30			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-25308	**LCS**	**Aqueous**	**GC/MS T**	**03/02/18**	**03/02/18 09:52**	**180302L008**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acetone	50.00	36.90	74	53-137	39-151	
Benzene	50.00	44.81	90	79-121	72-128	
Bromobenzene	50.00	46.84	94	80-120	73-127	
Bromochloromethane	50.00	47.79	96	80-122	73-129	
Bromodichloromethane	50.00	47.97	96	80-124	73-131	
Bromoform	50.00	42.92	86	73-127	64-136	
Bromomethane	50.00	36.90	74	50-150	33-167	
2-Butanone	50.00	45.40	91	60-126	49-137	
n-Butylbenzene	50.00	48.68	97	72-138	61-149	
sec-Butylbenzene	50.00	48.59	97	77-131	68-140	
tert-Butylbenzene	50.00	49.17	98	80-125	72-132	
Carbon Disulfide	50.00	47.56	95	50-150	33-167	
Carbon Tetrachloride	50.00	47.98	96	65-143	52-156	
Chlorobenzene	50.00	45.93	92	80-120	73-127	
Chloroethane	50.00	40.66	81	62-128	51-139	
Chloroform	50.00	47.01	94	80-120	73-127	
Chloromethane	50.00	37.06	74	43-133	28-148	
2-Chlorotoluene	50.00	47.30	95	80-121	73-128	
4-Chlorotoluene	50.00	45.56	91	80-120	73-127	
Dibromochloromethane	50.00	46.81	94	80-123	73-130	
1,2-Dibromo-3-Chloropropane	50.00	48.64	97	66-126	56-136	
1,2-Dibromoethane	50.00	49.34	99	80-120	73-127	
Dibromomethane	50.00	47.44	95	80-120	73-127	
1,2-Dichlorobenzene	50.00	46.60	93	80-120	73-127	
1,3-Dichlorobenzene	50.00	45.69	91	80-120	73-127	
1,4-Dichlorobenzene	50.00	45.10	90	80-120	73-127	
Dichlorodifluoromethane	50.00	37.12	74	50-150	33-167	
1,1-Dichloroethane	50.00	48.31	97	72-126	63-135	
1,2-Dichloroethane	50.00	47.06	94	76-120	69-127	
1,1-Dichloroethene	50.00	49.84	100	66-132	55-143	
c-1,2-Dichloroethene	50.00	46.44	93	78-120	71-127	
t-1,2-Dichloroethene	50.00	47.11	94	66-132	55-143	
1,2-Dichloropropane	50.00	46.44	93	80-120	73-127	
1,3-Dichloropropane	50.00	46.55	93	80-120	73-127	
2,2-Dichloropropane	50.00	53.72	107	50-150	33-167	
1,1-Dichloropropene	50.00	48.01	96	75-123	67-131	
c-1,3-Dichloropropene	50.00	47.27	95	77-131	68-140	
t-1,3-Dichloropropene	50.00	48.75	98	76-136	66-146	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Hargis + Associates, Inc.		Date Received:	02/28/18
9171 Towne Centre Drive, Suite 375		Work Order:	18-02-1981
San Diego, CA 92122-6215		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Raytheon Main / 532.30			Page 5 of 5

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Ethylbenzene	50.00	47.74	95	80-120	73-127	
2-Hexanone	50.00	46.91	94	63-123	53-133	
Isopropylbenzene	50.00	47.92	96	80-128	72-136	
p-Isopropyltoluene	50.00	48.41	97	73-133	63-143	
Methylene Chloride	50.00	46.53	93	61-133	49-145	
4-Methyl-2-Pentanone	50.00	49.77	100	65-125	55-135	
Naphthalene	50.00	47.27	95	69-129	59-139	
n-Propylbenzene	50.00	47.96	96	80-128	72-136	
Styrene	50.00	47.95	96	80-126	72-134	
1,1,1,2-Tetrachloroethane	50.00	41.90	84	80-129	72-137	
1,1,2,2-Tetrachloroethane	50.00	48.24	96	74-122	66-130	
Tetrachloroethene	50.00	41.38	83	55-139	41-153	
Toluene	50.00	46.41	93	80-120	73-127	
1,2,3-Trichlorobenzene	50.00	47.08	94	72-132	62-142	
1,2,4-Trichlorobenzene	50.00	46.49	93	74-134	64-144	
1,1,1-Trichloroethane	50.00	48.66	97	76-124	68-132	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	54.30	109	54-150	38-166	
1,1,2-Trichloroethane	50.00	47.77	96	80-120	73-127	
Trichloroethene	50.00	46.46	93	79-121	72-128	
Trichlorofluoromethane	50.00	47.37	95	72-132	62-142	
1,2,3-Trichloropropane	50.00	48.79	98	75-123	67-131	
1,2,4-Trimethylbenzene	50.00	47.42	95	74-128	65-137	
1,3,5-Trimethylbenzene	50.00	47.63	95	77-131	68-140	
Vinyl Acetate	50.00	51.59	103	50-150	33-167	
Vinyl Chloride	50.00	41.54	83	63-129	52-140	
p/m-Xylene	100.0	95.54	96	80-122	73-129	
o-Xylene	50.00	48.73	97	80-128	72-136	
Methyl-t-Butyl Ether (MTBE)	50.00	46.05	92	69-123	60-132	

Total number of LCS compounds: 66
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 18-02-1981 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	867	GC/MS T	2
EPA 8270C (M) SIM Isotope Dil	EPA 3510C	928	GC/MS DDD	1

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Glossary of Terms and Qualifiers

Work Order: 18-02-1981 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

18-02-1981

Date: 2/28/18
Page 1 of 1

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858.455.6500
Fax 858.455.6533

Sampled By: T. Evans, N. Scholl

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 500mL Amber	CONTAINERS: 1 L amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	Expected Concetration Range (ppb) for VOA's: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 hr TAT	Standard TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1	TB-022818B	2/28/18	730		X	X	X	2			X			X						X			Report J Flags
2	MW-36B	1	1420	X		X	X	3			X					X				X			
↓	↓	↓	↓	X			X			1			X							X			

Total number of containers per analysis:

Total No. of Containers: 6

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
T. Evans / H+A	2/28/18 1630	Jeff Chandler DCS/EC1	2/28/18 1630
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Jeff Chandler DCS/EC1	2/28/18 1715	Dannyle EC	2/28/18 17:15

- ☐ No. of containers correct
- ☐ Received in good condition
- ☐ Custody seals secure
- ☐ Conforms to COC document

_____ Temperature on receipt

Laboratory
Eurofins Calscience, Inc.
Attn: Virendra Patel
7440 Lincoln Way
Garden Grove, CA 92891
714-895-5494

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.5400
snetto@hargis.com

Instructions

1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

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WORK ORDER NUMBER: 18-02-1981

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Hargis

DATE: 02/28/2018

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 2.0 °C (w/ CF): 2.2 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 1091

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1091

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Acid/base preserved samples - pH within acceptable range	☐	☐	☑
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: N/A)

Aqueous: ☐ VOA ☑ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** (pH__2) ☐ 500PB

☑ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (___) ☐ EnCores® (___) ☐ TerraCores® (___) ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1053

Reviewed by: SR

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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM RESULTS

ADVANCED TECHNOLOGY LABORATORIES

December 11, 2017

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1704244
Client Reference : Raytheon Main GETS OCSD Quarterly Sample, 532.15

Enclosed are the results for sample(s) received on December 04, 2017 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.		Project Number :	Raytheon Main GETS OCSD Quarterly S:
9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	12/11/2017

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-120417	1704244-01	Lab prepared water	12/04/17 7:00	12/04/17 13:40
CEFF	1704244-02	Groundwater	12/04/17 10:30	12/04/17 13:40

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS OCSD Quarterly S
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID TB-120417

Lab ID: 1704244-01

Volatile Organic Compounds by EPA 624 **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,1,2-Trichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,1-Dichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,1-Dichloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,2-Dichlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,2-Dichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,2-Dichloropropane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,3-Dichlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
1,4-Dichlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
2-Chloroethyl vinyl ether	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Acrolein	ND	10	1	B7L0145	12/05/2017	12/05/17 21:07	
Acrylonitrile	ND	10	1	B7L0145	12/05/2017	12/05/17 21:07	
Benzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Bromodichloromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Bromoform	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Bromomethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Carbon tetrachloride	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Chlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Chloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Chloroform	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Chloromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Dibromochloromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Ethylbenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
m,p-Xylene	ND	1.0	1	B7L0145	12/05/2017	12/05/17 21:07	
Methylene chloride	ND	1.0	1	B7L0145	12/05/2017	12/05/17 21:07	
o-Xylene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Tetrachloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Toluene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
trans-1,3-Dichloropropene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Trichloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Trichlorofluoromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Vinyl chloride	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:07	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*70 - 166*		B7L0145	12/05/2017	*12/05/17 21:07*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*88 - 120*		B7L0145	12/05/2017	*12/05/17 21:07*	

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID TB-120417

Lab ID: 1704244-01

Volatile Organic Compounds by EPA 624

Analyst: QP

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*118 %*		*80 - 150*		B7L0145	12/05/2017	*12/05/17 21:07*	
Surrogate: Toluene-d8	*104 %*		*87 - 121*		B7L0145	12/05/2017	*12/05/17 21:07*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS OCSD Quarterly S
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID CEFF

Lab ID: 1704244-02

Volatile Organic Compounds by EPA 624 **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,1,2-Trichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,1-Dichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,1-Dichloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,2-Dichlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,2-Dichloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,2-Dichloropropane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,3-Dichlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
1,4-Dichlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
2-Chloroethyl vinyl ether	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Acrolein	ND	10	1	B7L0145	12/05/2017	12/05/17 21:32	
Acrylonitrile	ND	10	1	B7L0145	12/05/2017	12/05/17 21:32	
Benzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Bromodichloromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Bromoform	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Bromomethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Carbon tetrachloride	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Chlorobenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Chloroethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Chloroform	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Chloromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Dibromochloromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Ethylbenzene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
m,p-Xylene	ND	1.0	1	B7L0145	12/05/2017	12/05/17 21:32	
Methylene chloride	ND	1.0	1	B7L0145	12/05/2017	12/05/17 21:32	
o-Xylene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Tetrachloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Toluene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
trans-1,3-Dichloropropene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Trichloroethene	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Trichlorofluoromethane	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Vinyl chloride	ND	0.50	1	B7L0145	12/05/2017	12/05/17 21:32	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*70 - 166*		B7L0145	12/05/2017	*12/05/17 21:32*	
Surrogate: 4-Bromofluorobenzene	*98.4 %*	*88 - 120*		B7L0145	12/05/2017	*12/05/17 21:32*	

Certificate of Analysis

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San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID CEFF

Lab ID: 1704244-02

Volatile Organic Compounds by EPA 624

Analyst: QP

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*111 %*		*80 - 150*		B7L0145	12/05/2017	*12/05/17 21:32*	
Surrogate: Toluene-d8	*101 %*		*87 - 121*		B7L0145	12/05/2017	*12/05/17 21:32*	

1,4-Dioxane by EPA 8270: Isotope Dilution Technique

Analyst: SP

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	2.0	1	B7L0183	12/06/2017	12/08/17 16:47	
Surrogate: 1,2-Dichlorobenzene-d4	*59.0 %*		*17 - 101*		B7L0183	12/06/2017	*12/08/17 16:47*	
Surrogate: 2-Fluorobiphenyl	*62.8 %*		*29 - 109*		B7L0183	12/06/2017	*12/08/17 16:47*	
Surrogate: 4-Terphenyl-d14	*89.3 %*		*49 - 122*		B7L0183	12/06/2017	*12/08/17 16:47*	
Surrogate: Nitrobenzene-d5	*61.6 %*		*19 - 111*		B7L0183	12/06/2017	*12/08/17 16:47*	

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 624 - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0145 - MSVOA_W										
Blank (B7L0145-BLK1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,4-Dichlorobenzene	ND	0.50	0.18							
2-Chloroethyl vinyl ether	ND	0.50	0.12							
Acrolein	ND	10	1.9							
Acrylonitrile	ND	10	1.3							
Benzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Ethylbenzene	ND	0.50	0.08							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
o-Xylene	ND	0.50	0.04							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
trans-1,3-Dichloropropene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*28.60*			*25.0000*		*114*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.35*			*25.0000*		*97.4*	*88 - 120*			
Surrogate: Dibromofluoromethan	*28.27*			*25.0000*		*113*	*80 - 150*			
Surrogate: Toluene-d8	*24.52*			*25.0000*		*98.1*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS OCSD Quarterly S
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Volatile Organic Compounds by EPA 624 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0145 - MSVOA_W (continued)										
LCS (B7L0145-BS1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,1,1-Trichloroethane	10.1700	0.50	0.38	10.0000		102	73 - 143			
1,1,2,2-Tetrachloroethane	9.64000	0.50	0.20	10.0000		96.4	62 - 127			
1,1,2-Trichloroethane	10.4700	0.50	0.19	10.0000		105	72 - 122			
1,1-Dichloroethane	10.3900	0.50	0.20	10.0000		104	73 - 138			
1,1-Dichloroethene	9.21000	0.50	0.28	10.0000		92.1	74 - 132			
1,2-Dichlorobenzene	9.99000	0.50	0.12	10.0000		99.9	75 - 128			
1,2-Dichloroethane	10.1200	0.50	0.39	10.0000		101	70 - 131			
1,2-Dichloropropane	10.2400	0.50	0.47	10.0000		102	69 - 124			
1,3-Dichlorobenzene	9.97000	0.50	0.13	10.0000		99.7	75 - 131			
1,4-Dichlorobenzene	9.80000	0.50	0.18	10.0000		98.0	75 - 127			
2-Chloroethyl vinyl ether	9.99000	0.50	0.12	10.0000		99.9	5 - 107			
Acrolein	85.9400	10	1.9	100.000		85.9	0 - 163			
Acrylonitrile	94.7400	10	1.3	100.000		94.7	47 - 137			
Benzene	20.3200	0.50	0.21	20.0000		102	67 - 138			
Bromodichloromethane	10.5100	0.50	0.32	10.0000		105	74 - 129			
Bromoform	8.94000	0.50	0.14	10.0000		89.4	63 - 131			
Bromomethane	10.9700	0.50	0.22	10.0000		110	57 - 216			
Carbon tetrachloride	10.4400	0.50	0.31	10.0000		104	77 - 151			
Chlorobenzene	9.88000	0.50	0.16	10.0000		98.8	73 - 125			
Chloroethane	10.5800	0.50	0.29	10.0000		106	54 - 154			
Chloroform	10.2000	0.50	0.16	10.0000		102	77 - 132			
Chloromethane	11.1800	0.50	0.19	10.0000		112	57 - 142			
cis-1,3-Dichloropropene	10.7100	0.50	0.08	10.0000		107	76 - 120			
Dibromochloromethane	11.6500	0.50	0.11	10.0000		116	71 - 126			
Ethylbenzene	20.1600	0.50	0.08	20.0000		101	72 - 134			
m,p-Xylene	20.6500	1.0	0.18	20.0000		103	75 - 138			
Methylene chloride	10.5300	1.0	0.26	10.0000		105	52 - 154			
o-Xylene	21.2000	0.50	0.04	20.0000		106	66 - 147			
Tetrachloroethene	9.45000	0.50	0.18	10.0000		94.5	61 - 145			
Toluene	19.7000	0.50	0.14	20.0000		98.5	70 - 140			
trans-1,2-Dichloroethene	9.71000	0.50	0.15	10.0000		97.1	73 - 130			
trans-1,3-Dichloropropene	10.6600	0.50	0.09	10.0000		107	72 - 129			
Trichloroethene	9.68000	0.50	0.15	10.0000		96.8	69 - 126			
Trichlorofluoromethane	9.90000	0.50	0.33	10.0000		99.0	70 - 159			
Vinyl chloride	9.04000	0.50	0.25	10.0000		90.4	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*26.04*			*25.0000*		*104*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*26.10*			*25.0000*		*104*	*88 - 120*			
Surrogate: Dibromofluoromethan	*27.15*			*25.0000*		*109*	*80 - 150*			
Surrogate: Toluene-d8	*25.36*			*25.0000*		*101*	*87 - 121*			
LCS Dup (B7L0145-BSD1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,1,1-Trichloroethane	9.69000	0.50	0.38	10.0000		96.9	73 - 143	4.83	20	

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Volatile Organic Compounds by EPA 624 - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0145 - MSVOA_W (continued)										
LCS Dup (B7L0145-BSD1) - Continued					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,1,2,2-Tetrachloroethane	8.62000	0.50	0.20	10.0000		86.2	62 - 127	11.2	20	
1,1,2-Trichloroethane	10.1500	0.50	0.19	10.0000		102	72 - 122	3.10	20	
1,1-Dichloroethane	9.89000	0.50	0.20	10.0000		98.9	73 - 138	4.93	20	
1,1-Dichloroethene	9.06000	0.50	0.28	10.0000		90.6	74 - 132	1.64	20	
1,2-Dichlorobenzene	9.68000	0.50	0.12	10.0000		96.8	75 - 128	3.15	20	
1,2-Dichloroethane	10.0500	0.50	0.39	10.0000		100	70 - 131	0.694	20	
1,2-Dichloropropane	10.1000	0.50	0.47	10.0000		101	69 - 124	1.38	20	
1,3-Dichlorobenzene	9.68000	0.50	0.13	10.0000		96.8	75 - 131	2.95	20	
1,4-Dichlorobenzene	9.51000	0.50	0.18	10.0000		95.1	75 - 127	3.00	20	
2-Chloroethyl vinyl ether	8.21000	0.50	0.12	10.0000		82.1	5 - 107	19.6	20	
Acrolein	85.8800	10	1.9	100.000		85.9	0 - 163	0.0698	20	
Acrylonitrile	91.9200	10	1.3	100.000		91.9	47 - 137	3.02	20	
Benzene	20.0900	0.50	0.21	20.0000		100	67 - 138	1.14	20	
Bromodichloromethane	10.2200	0.50	0.32	10.0000		102	74 - 129	2.80	20	
Bromoform	8.19000	0.50	0.14	10.0000		81.9	63 - 131	8.76	20	
Bromomethane	11.5700	0.50	0.22	10.0000		116	57 - 216	5.32	20	
Carbon tetrachloride	10.1900	0.50	0.31	10.0000		102	77 - 151	2.42	20	
Chlorobenzene	9.69000	0.50	0.16	10.0000		96.9	73 - 125	1.94	20	
Chloroethane	11.4000	0.50	0.29	10.0000		114	54 - 154	7.46	20	
Chloroform	9.67000	0.50	0.16	10.0000		96.7	77 - 132	5.33	20	
Chloromethane	11.7200	0.50	0.19	10.0000		117	57 - 142	4.72	20	
cis-1,3-Dichloropropene	10.5700	0.50	0.08	10.0000		106	76 - 120	1.32	20	
Dibromochloromethane	10.7000	0.50	0.11	10.0000		107	71 - 126	8.50	20	
Ethylbenzene	19.9300	0.50	0.08	20.0000		99.6	72 - 134	1.15	20	
m,p-Xylene	20.6100	1.0	0.18	20.0000		103	75 - 138	0.194	20	
Methylene chloride	10.2100	1.0	0.26	10.0000		102	52 - 154	3.09	20	
o-Xylene	21.0500	0.50	0.04	20.0000		105	66 - 147	0.710	20	
Tetrachloroethene	9.29000	0.50	0.18	10.0000		92.9	61 - 145	1.71	20	
Toluene	20.3700	0.50	0.14	20.0000		102	70 - 140	3.34	20	
trans-1,2-Dichloroethene	9.30000	0.50	0.15	10.0000		93.0	73 - 130	4.31	20	
trans-1,3-Dichloropropene	10.3200	0.50	0.09	10.0000		103	72 - 129	3.24	20	
Trichloroethene	9.96000	0.50	0.15	10.0000		99.6	69 - 126	2.85	20	
Trichlorofluoromethane	9.41000	0.50	0.33	10.0000		94.1	70 - 159	5.08	20	
Vinyl chloride	9.32000	0.50	0.25	10.0000		93.2	56 - 151	3.05	20	
Surrogate: 1,2-Dichloroethane-d4	*24.36*			*25.0000*		*97.4*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.67*			*25.0000*		*103*	*88 - 120*			
Surrogate: Dibromofluoromethan	*25.06*			*25.0000*		*100*	*80 - 150*			
Surrogate: Toluene-d8	*26.20*			*25.0000*		*105*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS OCSD Quarterly S
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0183 - MSSEMI_W										
Blank (B7L0183-BLK1)					Prepared: 12/6/2017 Analyzed: 12/8/2017					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*60.00*			*100.000*		*60.0*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*67.39*			*100.000*		*67.4*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*94.19*			*100.000*		*94.2*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*63.32*			*100.000*		*63.3*	*19 - 111*			
LCS (B7L0183-BS1)					Prepared: 12/6/2017 Analyzed: 12/8/2017					
1,4-Dioxane	100.040	2.0	0.84	100.000		100	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*57.49*			*100.000*		*57.5*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*68.63*			*100.000*		*68.6*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*86.56*			*100.000*		*86.6*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*62.47*			*100.000*		*62.5*	*19 - 111*			
LCS Dup (B7L0183-BSD1)					Prepared: 12/6/2017 Analyzed: 12/8/2017					
1,4-Dioxane	105.140	2.0	0.84	100.000		105	85 - 121	4.97	20	
Surrogate: 1,2-Dichlorobenzene-d	*56.04*			*100.000*		*56.0*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*66.18*			*100.000*		*66.2*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*80.86*			*100.000*		*80.9*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*60.62*			*100.000*		*60.6*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.		Project Number :	Raytheon Main GETS OCSD Quarterly S
9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	12/11/2017

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 12/04/2017
Page 1 of 1

PROJECT: Raytheon Main GETS OCSD Quarterly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Steve Stewart

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	Ice	CONTAINERS: 40-ml VOA	125 mL Poly	250 mL Poly	250 mL Glass	1 L Poly	1L Amber	ANALYSIS REQUESTED: VOCs by EPA 624	1,4-Dioxane by EPA 8270C MOD	Expected Concentration Range (ppb) for VOAs: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1704244-01	TB-120417	12/4/2017	7:00		X	X	X	2						X		X						X			
1 -02	CEFF	12/4/2017	10:30	X		X	X	3					1	X	X	X						X			
Total number of containers per analysis:								5					1												Total No. of Containers: 6

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
Steve Stewart H+A	12/4/17 12:30	[signature] H+A	12/4/17 12:30
[signature] H+A	12/4/17 1:40	[signature]	12/4/17 1340

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

~~7.0~~ 0.8 Temperature on receipt

Laboratory
Advanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions
1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

December 11, 2017

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1704245

Client Reference : Raytheon Main GETS Quarterly Sample, 532.15

Enclosed are the results for sample(s) received on December 04, 2017 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CEFF	1704245-01	Groundwater	12/04/17 10:30	12/04/17 13:39
POX	1704245-02	Groundwater	12/04/17 10:50	12/04/17 13:39
INF	1704245-03	Groundwater	12/04/17 11:10	12/04/17 13:39
EW-02	1704245-04	Groundwater	12/04/17 11:45	12/04/17 13:39
MW-29	1704245-05	Groundwater	12/04/17 12:05	12/04/17 13:39

CASE NARRATIVE

Sample Receiving/General Comments:

The following analytes lists were taken from sample containers:
Alkalinity - Hydroxide, Bicarbonate, Carbonate, and Total
Dissolved metals - Se, Fe, Mn, Ca, Na, Mg
Anions - Cl, SO4, NO3, NO2, PO4

Certificate of Analysis

Hargis & Associates, Inc.		Project Number :	Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	12/11/2017

Client Sample ID CEFF

Lab ID: 1704245-01

Total Dissolved Solids (Residue, Filterable) by SM 2540C **Analyst: DT**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**610**	10	1	B7L0114	12/05/2017	12/07/17 08:30	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID POX

Lab ID: 1704245-02

Anions Scan by Ion Chromatography EPA 300.0

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**84**	5.0	10	B7L0165	12/05/2017	12/05/17 12:25	
Nitrate, as N	**3.7**	0.20	2	B7L0165	12/05/2017	12/05/17 10:18	
Nitrite, as N	ND	0.20	2	B7L0165	12/05/2017	12/05/17 10:18	D6
ortho-Phosphate, as P	ND	0.10	2	B7L0165	12/05/2017	12/05/17 10:18	D6
Sulfate	**140**	10	10	B7L0165	12/05/2017	12/05/17 12:25	

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B7L0103	12/04/2017	12/04/17 18:01	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**590**	10	1	B7L0114	12/05/2017	12/07/17 08:30	

Chemical Oxygen Demand by EPA 410.4

Analyst: SOL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B7L0127	12/05/2017	12/05/17 15:00	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID INF

Lab ID: 1704245-03

Anions Scan by Ion Chromatography EPA 300.0

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**84**	5.0	10	B7L0165	12/05/2017	12/05/17 13:11	
Nitrate, as N	**3.7**	0.20	2	B7L0165	12/05/2017	12/05/17 10:29	
Nitrite, as N	ND	0.20	2	B7L0165	12/05/2017	12/05/17 10:29	D6
ortho-Phosphate, as P	**0.83**	0.50	10	B7L0165	12/05/2017	12/05/17 13:11	
Sulfate	**140**	10	10	B7L0165	12/05/2017	12/05/17 13:11	

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B7L0103	12/04/2017	12/04/17 18:01	

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**610**	10	1	B7L0114	12/05/2017	12/07/17 08:30	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B7L0200	12/06/2017	12/06/17 15:42	

Chemical Oxygen Demand by EPA 410.4

Analyst: SOL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID INF

Lab ID: 1704245-03

Chemical Oxygen Demand by EPA 410.4

Analyst: SOL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B7L0127	12/05/2017	12/05/17 15:00	

Total Metals by ICP-AES EPA 6010B

Analyst: KEK

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Selenium	ND	0.010	1	B7L0159	12/06/2017	12/07/17 11:59	

Dissolved Metals by ICP-AES EPA 6010B

Analyst: KEK

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Calcium	**78**	0.50	1	B7L0160	12/06/2017	12/07/17 12:11	
Iron	ND	0.50	1	B7L0160	12/06/2017	12/07/17 12:11	
Magnesium	**24**	0.10	1	B7L0160	12/06/2017	12/07/17 12:11	
Manganese	ND	0.50	1	B7L0160	12/06/2017	12/07/17 12:11	
Selenium	ND	0.010	1	B7L0160	12/06/2017	12/07/17 12:11	
Sodium	**65**	1.0	1	B7L0160	12/06/2017	12/07/17 12:11	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID EW-02

Lab ID: 1704245-04

Anions Scan by Ion Chromatography EPA 300.0

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**77**	5.0	10	B7L0165	12/05/2017	12/05/17 13:22	
Nitrate, as N	**3.3**	0.20	2	B7L0165	12/05/2017	12/05/17 10:40	
Nitrite, as N	ND	0.20	2	B7L0165	12/05/2017	12/05/17 10:40	D6
ortho-Phosphate, as P	ND	0.50	10	B7L0165	12/05/2017	12/05/17 13:22	D6
Sulfate	**140**	10	10	B7L0165	12/05/2017	12/05/17 13:22	

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B7L0103	12/04/2017	12/04/17 18:01	

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**200**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Total (as CaCO3)	**200**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**590**	10	1	B7L0114	12/05/2017	12/07/17 08:30	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B7L0200	12/06/2017	12/06/17 15:57	

Chemical Oxygen Demand by EPA 410.4

Analyst: SOL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID EW-02

Lab ID: 1704245-04

Chemical Oxygen Demand by EPA 410.4

Analyst: SOL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B7L0127	12/05/2017	12/05/17 15:00	

Total Metals by ICP-AES EPA 6010B

Analyst: KEK

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Selenium	ND	0.010	1	B7L0159	12/06/2017	12/07/17 12:03	

Dissolved Metals by ICP-AES EPA 6010B

Analyst: KEK

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Calcium	**82**	0.50	1	B7L0160	12/06/2017	12/07/17 12:15	
Iron	ND	0.50	1	B7L0160	12/06/2017	12/07/17 12:15	
Magnesium	**25**	0.10	1	B7L0160	12/06/2017	12/07/17 12:15	
Manganese	ND	0.50	1	B7L0160	12/06/2017	12/07/17 12:15	
Selenium	ND	0.010	1	B7L0160	12/06/2017	12/07/17 12:15	
Sodium	**67**	1.0	1	B7L0160	12/06/2017	12/07/17 12:15	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID MW-29

Lab ID: 1704245-05

Anions Scan by Ion Chromatography EPA 300.0

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**130**	10	20	B7L0165	12/05/2017	12/05/17 13:34	
Nitrate, as N	**5.8**	0.20	2	B7L0165	12/05/2017	12/05/17 10:52	
Nitrite, as N	ND	0.20	2	B7L0165	12/05/2017	12/05/17 10:52	D6
ortho-Phosphate, as P	**4.5**	1.0	20	B7L0165	12/05/2017	12/05/17 13:34	
Sulfate	**130**	20	20	B7L0165	12/05/2017	12/05/17 13:34	

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B7L0103	12/04/2017	12/04/17 18:01	

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**230**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Total (as CaCO3)	**230**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**700**	10	1	B7L0114	12/05/2017	12/07/17 08:30	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B7L0200	12/06/2017	12/06/17 16:12	

Chemical Oxygen Demand by EPA 410.4

Analyst: SOL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Client Sample ID MW-29

Lab ID: 1704245-05

Chemical Oxygen Demand by EPA 410.4 — **Analyst: SOL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B7L0127	12/05/2017	12/05/17 15:00	

Total Metals by ICP-AES EPA 6010B — **Analyst: KEK**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Selenium	ND	0.010	1	B7L0159	12/06/2017	12/07/17 12:05	

Dissolved Metals by ICP-AES EPA 6010B — **Analyst: KEK**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Calcium	**95**	0.50	1	B7L0160	12/06/2017	12/07/17 12:16	
Iron	ND	0.50	1	B7L0160	12/06/2017	12/07/17 12:16	
Magnesium	**28**	0.10	1	B7L0160	12/06/2017	12/07/17 12:16	
Manganese	ND	0.50	1	B7L0160	12/06/2017	12/07/17 12:16	
Selenium	ND	0.010	1	B7L0160	12/06/2017	12/07/17 12:16	
Sodium	**85**	1.0	1	B7L0160	12/06/2017	12/07/17 12:16	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

QUALITY CONTROL SECTION

Alkalinity, Speciated by SM 2320B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0175 - No_Prep_WC1_W										
Blank (B7L0175-BLK1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1.6							
Alkalinity, Total (as CaCO3)	ND	5.0	1.6							
LCS (B7L0175-BS1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Total (as CaCO3)	98.7700	5.0	1.6	99.9580		98.8	80 - 120			
Matrix Spike (B7L0175-MS1)			**Source: 1704245-04**		Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Total (as CaCO3)	298.350	5.0	1.6	99.9580	199.590	98.8	80 - 120			
Matrix Spike Dup (B7L0175-MSD1)			**Source: 1704245-04**		Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Total (as CaCO3)	297.330	5.0	1.6	99.9580	199.590	97.8	80 - 120	0.342	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Total Dissolved Solids (Residue, Filterable) by SM 2540C - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0114 - No_Prep_WC1_W										
Blank (B7L0114-BLK1)					Prepared: 12/5/2017 Analyzed: 12/7/2017					
Residue, Dissolved	ND	10	10							
LCS (B7L0114-BS1)					Prepared: 12/5/2017 Analyzed: 12/7/2017					
Residue, Dissolved	986.000	10	10	970.000		102	80 - 120			
Duplicate (B7L0114-DUP1)			**Source: 1704245-05**		Prepared: 12/5/2017 Analyzed: 12/7/2017					
Residue, Dissolved	685.000	10	10		695.000			1.45	10	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Anions Scan by Ion Chromatography EPA 300.0 - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0165 - No_Prep_IC1_W										
Blank (B7L0165-BLK1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chloride	ND	0.50	0.06							
Nitrate, as N	ND	0.10	0.02							
Nitrite, as N	ND	0.10	0.03							
ortho-Phosphate, as P	ND	0.05	0.02							
Sulfate	ND	1.0	0.05							
LCS (B7L0165-BS1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chloride	1.02130	0.50	0.06	1.00000		102	90 - 110			
Nitrate, as N	0.951600	0.10	0.02	1.00000		95.2	90 - 110			
Nitrite, as N	0.927900	0.10	0.03	1.00000		92.8	90 - 110			
ortho-Phosphate, as P	0.924200	0.05	0.02	1.00000		92.4	90 - 110			
Sulfate	1.98620	1.0	0.05	2.00000		99.3	90 - 110			
Duplicate (B7L0165-DUP1)			**Source: 1704245-02RE1**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chloride	84.4440	5.0	0.58		84.1770			0.317	20	
Nitrate, as N	3.81800	1.0	0.24		3.81300			0.131	20	
Nitrite, as N	ND	1.0	0.26		ND				20	
ortho-Phosphate, as P	ND	0.50	0.18		ND				20	
Sulfate	138.615	10	0.53		137.910			0.510	20	
Matrix Spike (B7L0165-MS1)			**Source: 1704245-02RE1**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chloride	10.6918			2.50000	8.41770	91.0	80 - 120			
Nitrate, as N	2.85930			2.50000	0.381300	99.1	80 - 120			
Nitrite, as N	2.66750			2.50000	0.00000	107	80 - 120			
ortho-Phosphate, as P	2.65190			2.50000	0.00000	106	80 - 120			
Sulfate	19.1970			5.00000	13.7910	108	80 - 120			
Matrix Spike Dup (B7L0165-MSD1)			**Source: 1704245-02RE1**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chloride	10.6499			2.50000	8.41770	89.3	80 - 120	0.393	20	
Nitrate, as N	2.85640			2.50000	0.381300	99.0	80 - 120	0.101	20	
Nitrite, as N	2.69350			2.50000	0.00000	108	80 - 120	0.970	20	
ortho-Phosphate, as P	2.72070			2.50000	0.00000	109	80 - 120	2.56	20	
Sulfate	19.1977			5.00000	13.7910	108	80 - 120	0.00365	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

UV Absorption by EPA 415.3 - Quality Control

Analyte	Result (1/cm)	PQL (1/cm)	MDL (1/cm)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0103 - No_Prep_II_W										
Duplicate (B7L0103-DUP1)			**Source: 1704245-02**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP2)			**Source: 1704245-03**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP3)			**Source: 1704245-04**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP4)			**Source: 1704245-05**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP5)			**Source: 1704246-05**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Total Organic Carbon by SM 5310B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0200 - No_Prep_II_W										
Blank (B7L0200-BLK1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Organic Carbon, Total	ND	3.0	1.8							
LCS (B7L0200-BS1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Organic Carbon, Total	18.1300	3.0	1.8	20.0000		90.6	80 - 120			
LCS Dup (B7L0200-BSD1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Organic Carbon, Total	17.9900	3.0	1.8	20.0000		90.0	80 - 120	0.775	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Chemical Oxygen Demand by EPA 410.4 - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0127 - Prep_WC1_W										
Blank (B7L0127-BLK1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chemical Oxygen Demand	ND	5.0	3.7							
LCS (B7L0127-BS1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chemical Oxygen Demand	430.937	5.0	3.7	501.500		85.9	80 - 120			
Matrix Spike (B7L0127-MS1)			**Source: 1704245-02**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chemical Oxygen Demand	524.268	5.0	3.7	501.500	ND	105	80 - 120			
Matrix Spike Dup (B7L0127-MSD1)			**Source: 1704245-02**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Chemical Oxygen Demand	525.314	5.0	3.7	501.500	ND	105	80 - 120	0.199	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0159 - EPA 3010A_W										
Blank (B7L0159-BLK1)					Prepared: 12/6/2017 Analyzed: 12/7/2017					
Selenium	ND	0.010	0.0093							
LCS (B7L0159-BS1)					Prepared: 12/6/2017 Analyzed: 12/7/2017					
Selenium	0.920476	0.010	0.0093	1.00000		92.0	80 - 120			
Matrix Spike (B7L0159-MS1)			**Source: 1704245-03**		Prepared: 12/6/2017 Analyzed: 12/7/2017					
Selenium	2.42994	0.010	0.0093	2.50000	ND	97.2	66 - 120			
Matrix Spike Dup (B7L0159-MSD1)			**Source: 1704245-03**		Prepared: 12/6/2017 Analyzed: 12/7/2017					
Selenium	2.39248	0.010	0.0093	2.50000	ND	95.7	66 - 120	1.55	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Dissolved Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0160 - EPA 3010A_W										
Blank (B7L0160-BLK1)					Prepared: 12/6/2017 Analyzed: 12/7/2017					
Calcium	ND	0.50	0.12							
Iron	ND	0.50	0.011							
Magnesium	ND	0.10	0.021							
Manganese	ND	0.50	0.0046							
Selenium	ND	0.010	0.0093							
Sodium	ND	1.0	0.12							
LCS (B7L0160-BS1)					Prepared: 12/6/2017 Analyzed: 12/7/2017					
Calcium	20.3532	0.50	0.12	20.0000		102	80 - 120			
Iron	20.5621	0.50	0.011	20.0000		103	80 - 120			
Magnesium	19.2650	0.10	0.021	20.0000		96.3	80 - 120			
Manganese	10.3416	0.50	0.0046	10.0000		103	80 - 120			
Selenium	0.931120	0.010	0.0093	1.00000		93.1	80 - 120			
Sodium	20.3168	1.0	0.12	20.0000		102	80 - 120			
Matrix Spike (B7L0160-MS1)			**Source: 1704245-03**		Prepared: 12/6/2017 Analyzed: 12/7/2017					
Calcium	101.073	0.50	0.12	20.0000	78.3145	114	47 - 151			
Iron	20.0789	0.50	0.011	20.0000	0.017546	100	56 - 135			
Magnesium	44.1149	0.10	0.021	20.0000	23.7576	102	13 - 170			
Manganese	10.0416	0.50	0.0046	10.0000	ND	100	74 - 121			
Selenium	2.38915	0.010	0.0093	2.50000	ND	95.6	66 - 120			
Sodium	88.6390	1.0	0.12	19.8000	65.1076	119	2 - 198			
Matrix Spike Dup (B7L0160-MSD1)			**Source: 1704245-03**		Prepared: 12/6/2017 Analyzed: 12/7/2017					
Calcium	97.8842	0.50	0.12	20.0000	78.3145	97.8	47 - 151	3.21	20	
Iron	19.8383	0.50	0.011	20.0000	0.017546	99.1	56 - 135	1.21	20	
Magnesium	42.9129	0.10	0.021	20.0000	23.7576	95.8	13 - 170	2.76	20	
Manganese	9.94516	0.50	0.0046	10.0000	ND	99.5	74 - 121	0.965	20	
Selenium	2.34021	0.010	0.0093	2.50000	ND	93.6	66 - 120	2.07	20	
Sodium	86.4511	1.0	0.12	19.8000	65.1076	108	2 - 198	2.50	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Quarterly Sample,
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/11/2017

Notes and Definitions

D6	Sample required dilution due to high concentration of target analyte.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 12/04/2017
Page 1 of 1

PROJECT: Raytheon Main GETS Quarterly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Steve Stewart

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Ice	CONTAINERS: 40-ml VOA	125 mL Poly	250 mL Poly	500 Ml Poly	250 mL Glass	ANALYSIS REQUESTED: Alkalinity by SM2320B	Anions by EPA 300	COD by EPA 410.4	Dissolved Metals by EPA 6010B	Total Dissolved Solids by SM2540C	Total Organic Carbon by SM5310B	Total Se by EPA 6010B	UV Absorption EPA 415.3 @254 nm	Expected Concentration Range (ppb) for VOAs: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1704245-01	CEFF	12/4/2017	10:30	X					X		1								X										X			
-02	POX	12/4/2017	10:50	X				X	X		2	1		1		X	X		X			X							X			Lab to filter dissolved
-03	INF	12/4/2017	11:10	X			X	X	X	2	2	2	2	1	X	X	X	X	X	X	X	X							X			metals, and anions
-04	EW-02	12/4/2017	11:45	X			X	X	X	2	2	2	2	1	X	X	X	X	X	X	X	X							X			
-05	MW-29	12/4/2017	12:05	X			X	X	X	2	2	2	2	1	X	X	X	X	X	X	X	X							X			
Total number of containers per analysis:										6	9	7	6	4																		Total No. of Containers: 32

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
Steve Stewart	12/4/17 12:30	Rh H+A	12/4/2017 12:30
Rh H+A	12/4/17 1339	Fraun	12/4/17 1339

- [x] No. of containers correct
- [x] Received in good condition
- [ ] Custody seals secure
- [x] Conforms to COC document

0.8, 1.0 °C Temperature on receipt

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Laboratory
Advanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Instructions
Fill out form completely and sign only after verified for completeness
Complete in ballpoint pen. Draw one line through error, initial and date correction
Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
Note applicable preservatives, special instructions, and deviations from typical environmental samples.
Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

December 27, 2017

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1704246
Client Reference : Raytheon Main GETS Monthly Sample, 532.15

Enclosed are the results for sample(s) received on December 04, 2017 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-120417	1704246-01	Lab prepared water	12/04/17 7:00	12/04/17 13:39
CBT	1704246-02	Groundwater	12/04/17 10:40	12/04/17 13:39
POX	1704246-03	Groundwater	12/04/17 10:50	12/04/17 13:39
CEFF	1704246-04	Groundwater	12/04/17 10:30	12/04/17 13:39
PF	1704246-05	Groundwater	12/04/17 11:00	12/04/17 13:39
INF	1704246-06	Groundwater	12/04/17 11:10	12/04/17 13:39
EW-02	1704246-07	Groundwater	12/04/17 11:45	12/04/17 13:39
MW-29	1704246-08	Groundwater	12/04/17 12:05	12/04/17 13:39

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID TB-120417

Lab ID: 1704246-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,1,1-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,1,2-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,1-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,1-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,1-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2,3-Trichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2-Dibromoethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,3-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,3-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
1,4-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
2,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
2-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
4-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
4-Isopropyltoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Benzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Bromobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Bromodichloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Bromoform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Bromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Carbon tetrachloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Chlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Chloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Chloroform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Chloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Dibromochloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID TB-120417

Lab ID: 1704246-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Dichlorodifluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Ethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Hexachlorobutadiene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Isopropylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
m,p-Xylene	ND	1.0	1	B7L0081	12/04/2017	12/04/17 19:40	
Methylene chloride	ND	1.0	1	B7L0081	12/04/2017	12/04/17 19:40	
n-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
n-Propylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Naphthalene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
o-Xylene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
sec-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Styrene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
tert-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Tetrachloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Toluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Trichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Trichlorofluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Vinyl chloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 19:40	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70 - 166*		B7L0081	12/04/2017	*12/04/17 19:40*	
Surrogate: 4-Bromofluorobenzene	*99.1 %*	*88 - 120*		B7L0081	12/04/2017	*12/04/17 19:40*	
Surrogate: Dibromofluoromethane	*102 %*	*80 - 150*		B7L0081	12/04/2017	*12/04/17 19:40*	
Surrogate: Toluene-d8	*101 %*	*87 - 121*		B7L0081	12/04/2017	*12/04/17 19:40*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID CBT

Lab ID: 1704246-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,1,1-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,1,2-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,1-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,1-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,1-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2,3-Trichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2-Dibromoethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,3-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,3-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
1,4-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
2,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
2-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
4-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
4-Isopropyltoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Benzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Bromobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Bromodichloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Bromoform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Bromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Carbon tetrachloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Chlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Chloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Chloroform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Chloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Dibromochloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID CBT

Lab ID: 1704246-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Dichlorodifluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Ethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Hexachlorobutadiene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Isopropylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
m,p-Xylene	ND	1.0	1	B7L0081	12/04/2017	12/04/17 20:03	
Methylene chloride	ND	1.0	1	B7L0081	12/04/2017	12/04/17 20:03	
n-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
n-Propylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Naphthalene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
o-Xylene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
sec-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Styrene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
tert-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Tetrachloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Toluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Trichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Trichlorofluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Vinyl chloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:03	
Surrogate: 1,2-Dichloroethane-d4	*98.9 %*	*70 - 166*		B7L0081	12/04/2017	*12/04/17 20:03*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*88 - 120*		B7L0081	12/04/2017	*12/04/17 20:03*	
Surrogate: Dibromofluoromethane	*100 %*	*80 - 150*		B7L0081	12/04/2017	*12/04/17 20:03*	
Surrogate: Toluene-d8	*102 %*	*87 - 121*		B7L0081	12/04/2017	*12/04/17 20:03*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID CBT

Lab ID: 1704246-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B7L0195	12/07/2017	12/07/17 14:09	
Surrogate: 1,2-Dichlorobenzene-d4	*70.8 %*		*32 - 99*		B7L0195	12/07/2017	*12/07/17 14:09*	
Surrogate: 2-Fluorobiphenyl	*76.4 %*		*29 - 105*		B7L0195	12/07/2017	*12/07/17 14:09*	
Surrogate: 4-Terphenyl-d14	*82.8 %*		*32 - 119*		B7L0195	12/07/2017	*12/07/17 14:09*	
Surrogate: Nitrobenzene-d5	*84.1 %*		*17 - 123*		B7L0195	12/07/2017	*12/07/17 14:09*	

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San Diego , CA 92122	Reported : 12/27/2017

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Lab ID: 1704246-03

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**200**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Total (as CaCO3)	**200**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B7L0200	12/06/2017	12/06/17 16:26	

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,1,1-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,1,2-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,1-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,1-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,1-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2,3-Trichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2-Dibromoethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,3-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,3-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
1,4-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
2,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
2-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID POX

Lab ID: 1704246-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
4-Isopropyltoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Benzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Bromobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Bromodichloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Bromoform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Bromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Carbon tetrachloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Chlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Chloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Chloroform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Chloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Dibromochloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Dibromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Dichlorodifluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Ethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Hexachlorobutadiene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Isopropylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
m,p-Xylene	ND	1.0	1	B7L0081	12/04/2017	12/04/17 20:27	
Methylene chloride	ND	1.0	1	B7L0081	12/04/2017	12/04/17 20:27	
n-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
n-Propylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Naphthalene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
o-Xylene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
sec-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Styrene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
tert-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Tetrachloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Toluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Trichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Trichlorofluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Vinyl chloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:27	
Surrogate: 1,2-Dichloroethane-d4	*98.4 %*	*70 - 166*		B7L0081	12/04/2017	*12/04/17 20:27*	
Surrogate: 4-Bromofluorobenzene	*99.0 %*	*88 - 120*		B7L0081	12/04/2017	*12/04/17 20:27*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID POX

Lab ID: 1704246-03

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*99.8 %*		*80 - 150*		B7L0081	12/04/2017	*12/04/17 20:27*	
Surrogate: Toluene-d8	*101 %*		*87 - 121*		B7L0081	12/04/2017	*12/04/17 20:27*	

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique — **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B7L0195	12/07/2017	12/07/17 14:36	
Surrogate: 1,2-Dichlorobenzene-d4	*86.0 %*		*32 - 99*		B7L0195	12/07/2017	*12/07/17 14:36*	
Surrogate: 2-Fluorobiphenyl	*94.5 %*		*29 - 105*		B7L0195	12/07/2017	*12/07/17 14:36*	
Surrogate: 4-Terphenyl-d14	*83.5 %*		*32 - 119*		B7L0195	12/07/2017	*12/07/17 14:36*	
Surrogate: Nitrobenzene-d5	*104 %*		*17 - 123*		B7L0195	12/07/2017	*12/07/17 14:36*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID CEFF

Lab ID: 1704246-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,1,1-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,1,2-Trichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,1-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,1-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,1-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2,3-Trichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2-Dibromoethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2-Dichloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,3-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,3-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
1,4-Dichlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
2,2-Dichloropropane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
2-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
4-Chlorotoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
4-Isopropyltoluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Benzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Bromobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Bromodichloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Bromoform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Bromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Carbon tetrachloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Chlorobenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Chloroethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Chloroform	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Chloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Dibromochloromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID CEFF

Lab ID: 1704246-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Dichlorodifluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Ethylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Hexachlorobutadiene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Isopropylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
m,p-Xylene	ND	1.0	1	B7L0081	12/04/2017	12/04/17 20:50	
Methylene chloride	ND	1.0	1	B7L0081	12/04/2017	12/04/17 20:50	
n-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
n-Propylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Naphthalene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
o-Xylene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
sec-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Styrene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
tert-Butylbenzene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Tetrachloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Toluene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Trichloroethene	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Trichlorofluoromethane	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Vinyl chloride	ND	0.50	1	B7L0081	12/04/2017	12/04/17 20:50	
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*70 - 166*		B7L0081	12/04/2017	*12/04/17 20:50*	
Surrogate: 4-Bromofluorobenzene	*99.6 %*	*88 - 120*		B7L0081	12/04/2017	*12/04/17 20:50*	
Surrogate: Dibromofluoromethane	*103 %*	*80 - 150*		B7L0081	12/04/2017	*12/04/17 20:50*	
Surrogate: Toluene-d8	*103 %*	*87 - 121*		B7L0081	12/04/2017	*12/04/17 20:50*	

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San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID CEFF

Lab ID: 1704246-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B7L0195	12/07/2017	12/07/17 15:03	
Surrogate: 1,2-Dichlorobenzene-d4	*82.2 %*		*32 - 99*		B7L0195	12/07/2017	*12/07/17 15:03*	
Surrogate: 2-Fluorobiphenyl	*87.0 %*		*29 - 105*		B7L0195	12/07/2017	*12/07/17 15:03*	
Surrogate: 4-Terphenyl-d14	*80.9 %*		*32 - 119*		B7L0195	12/07/2017	*12/07/17 15:03*	
Surrogate: Nitrobenzene-d5	*111 %*		*17 - 123*		B7L0195	12/07/2017	*12/07/17 15:03*	

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Lab ID: 1704246-05

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B7L0103	12/04/2017	12/04/17 18:01	

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B7L0175	12/06/2017	12/06/17 11:05	

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Suspended	ND	1.0	1	B7L0115	12/05/2017	12/06/17 08:45	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B7L0200	12/06/2017	12/06/17 16:41	

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Lab ID: 1704246-06

Bromide by Ion Chromatography EPA 300 — **Analyst: JL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.18**	0.10	2	B7L0165	12/05/2017	12/05/17 11:03	

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,1,1-Trichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,1,2-Trichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,1-Dichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,1-Dichloroethene	**26**	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,1-Dichloropropene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2,3-Trichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2-Dibromoethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2-Dichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,2-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,3-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,3-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
1,4-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
2,2-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
2-Chlorotoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
4-Chlorotoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
4-Isopropyltoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Benzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Bromobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Bromodichloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Bromoform	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Bromomethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Carbon tetrachloride	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Chlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	

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Client Sample ID INF

Lab ID: 1704246-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Chloroform	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Chloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Dibromochloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Dibromomethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Dichlorodifluoromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Ethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Hexachlorobutadiene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Isopropylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
m,p-Xylene	ND	1.0	1	B7L0116	12/05/2017	12/05/17 15:40	
Methylene chloride	ND	1.0	1	B7L0116	12/05/2017	12/05/17 15:40	
n-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
n-Propylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Naphthalene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
o-Xylene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
sec-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Styrene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
tert-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Tetrachloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Toluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Trichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Trichlorofluoromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Vinyl chloride	ND	0.50	1	B7L0116	12/05/2017	12/05/17 15:40	
Surrogate: 1,2-Dichloroethane-d4	*99.1 %*	*70 - 166*		B7L0116	12/05/2017	*12/05/17 15:40*	
Surrogate: 4-Bromofluorobenzene	*99.1 %*	*88 - 120*		B7L0116	12/05/2017	*12/05/17 15:40*	
Surrogate: Dibromofluoromethane	*99.2 %*	*80 - 150*		B7L0116	12/05/2017	*12/05/17 15:40*	
Surrogate: Toluene-d8	*97.4 %*	*87 - 121*		B7L0116	12/05/2017	*12/05/17 15:40*	

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San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID INF

Lab ID: 1704246-06

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**11**	2.0	1	B7L0183	12/06/2017	12/08/17 17:13	
Surrogate: 1,2-Dichlorobenzene-d4	*67.4 %*		*17 - 101*		B7L0183	12/06/2017	*12/08/17 17:13*	
Surrogate: 2-Fluorobiphenyl	*71.6 %*		*29 - 109*		B7L0183	12/06/2017	*12/08/17 17:13*	
Surrogate: 4-Terphenyl-d14	*92.9 %*		*49 - 122*		B7L0183	12/06/2017	*12/08/17 17:13*	
Surrogate: Nitrobenzene-d5	*71.0 %*		*19 - 111*		B7L0183	12/06/2017	*12/08/17 17:13*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID EW-02

Lab ID: 1704246-07

Bromide by Ion Chromatography EPA 300

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.17**	0.10	2	B7L0165	12/05/2017	12/05/17 11:15	

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,1,1-Trichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,1,2-Trichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,1-Dichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,1-Dichloroethene	**5.4**	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,1-Dichloropropene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2,3-Trichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2-Dibromoethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2-Dichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,2-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,3-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,3-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
1,4-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
2,2-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
2-Chlorotoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
4-Chlorotoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
4-Isopropyltoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Benzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Bromobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Bromodichloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Bromoform	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Bromomethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Carbon tetrachloride	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Chlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	

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Client Sample ID EW-02

Lab ID: 1704246-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Chloroform	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Chloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Dibromochloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Dibromomethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Dichlorodifluoromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Ethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Hexachlorobutadiene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Isopropylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
m,p-Xylene	ND	1.0	1	B7L0116	12/05/2017	12/05/17 16:31	
Methylene chloride	ND	1.0	1	B7L0116	12/05/2017	12/05/17 16:31	
n-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
n-Propylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Naphthalene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
o-Xylene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
sec-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Styrene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
tert-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Tetrachloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Toluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Trichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Trichlorofluoromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Vinyl chloride	ND	0.50	1	B7L0116	12/05/2017	12/05/17 16:31	
Surrogate: 1,2-Dichloroethane-d4	*96.0 %*	*70 - 166*		B7L0116	12/05/2017	*12/05/17 16:31*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*88 - 120*		B7L0116	12/05/2017	*12/05/17 16:31*	
Surrogate: Dibromofluoromethane	*98.6 %*	*80 - 150*		B7L0116	12/05/2017	*12/05/17 16:31*	
Surrogate: Toluene-d8	*97.9 %*	*87 - 121*		B7L0116	12/05/2017	*12/05/17 16:31*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID EW-02

Lab ID: 1704246-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	2.0	1	B7L0183	12/06/2017	12/08/17 17:41	
Surrogate: 1,2-Dichlorobenzene-d4	*60.2 %*		*17 - 101*		B7L0183	12/06/2017	*12/08/17 17:41*	
Surrogate: 2-Fluorobiphenyl	*64.3 %*		*29 - 109*		B7L0183	12/06/2017	*12/08/17 17:41*	
Surrogate: 4-Terphenyl-d14	*87.9 %*		*49 - 122*		B7L0183	12/06/2017	*12/08/17 17:41*	
Surrogate: Nitrobenzene-d5	*63.7 %*		*19 - 111*		B7L0183	12/06/2017	*12/08/17 17:41*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID MW-29

Lab ID: 1704246-08

Bromide by Ion Chromatography EPA 300

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.26**	0.10	2	B7L0165	12/05/2017	12/05/17 11:26	

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,1,1-Trichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,1,2-Trichloroethane	**0.50**	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,1-Dichloroethane	**1.1**	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,1-Dichloroethene	**110**	5.0	10	B7L0116	12/05/2017	12/05/17 17:41	
1,1-Dichloropropene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2,3-Trichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2-Dibromoethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2-Dichloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,2-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,3-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,3-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
1,4-Dichlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
2,2-Dichloropropane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
2-Chlorotoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
4-Chlorotoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
4-Isopropyltoluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Benzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Bromobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Bromodichloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Bromoform	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Bromomethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Carbon tetrachloride	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Chlorobenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID MW-29

Lab ID: 1704246-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Chloroform	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Chloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Dibromochloromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Dibromomethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Dichlorodifluoromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Ethylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Hexachlorobutadiene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Isopropylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
m,p-Xylene	ND	1.0	1	B7L0116	12/05/2017	12/05/17 17:18	
Methylene chloride	ND	1.0	1	B7L0116	12/05/2017	12/05/17 17:18	
n-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
n-Propylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Naphthalene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
o-Xylene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
sec-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Styrene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
tert-Butylbenzene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Tetrachloroethene	**0.59**	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Toluene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Trichloroethene	**0.73**	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Trichlorofluoromethane	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Vinyl chloride	ND	0.50	1	B7L0116	12/05/2017	12/05/17 17:18	
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*70 - 166*		B7L0116	12/05/2017	*12/05/17 17:41*	
Surrogate: 1,2-Dichloroethane-d4	*97.2 %*	*70 - 166*		B7L0116	12/05/2017	*12/05/17 17:18*	
Surrogate: 4-Bromofluorobenzene	*95.0 %*	*88 - 120*		B7L0116	12/05/2017	*12/05/17 17:41*	
Surrogate: 4-Bromofluorobenzene	*92.2 %*	*88 - 120*		B7L0116	12/05/2017	*12/05/17 17:18*	
Surrogate: Dibromofluoromethane	*100 %*	*80 - 150*		B7L0116	12/05/2017	*12/05/17 17:18*	
Surrogate: Dibromofluoromethane	*99.8 %*	*80 - 150*		B7L0116	12/05/2017	*12/05/17 17:41*	
Surrogate: Toluene-d8	*101 %*	*87 - 121*		B7L0116	12/05/2017	*12/05/17 17:18*	
Surrogate: Toluene-d8	*101 %*	*87 - 121*		B7L0116	12/05/2017	*12/05/17 17:41*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Client Sample ID MW-29

Lab ID: 1704246-08

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**42**	2.0	1	B7L0183	12/06/2017	12/08/17 18:08	
Surrogate: 1,2-Dichlorobenzene-d4	*57.2 %*		*17 - 101*		B7L0183	12/06/2017	*12/08/17 18:08*	
Surrogate: 2-Fluorobiphenyl	*61.7 %*		*29 - 109*		B7L0183	12/06/2017	*12/08/17 18:08*	
Surrogate: 4-Terphenyl-d14	*93.9 %*		*49 - 122*		B7L0183	12/06/2017	*12/08/17 18:08*	
Surrogate: Nitrobenzene-d5	*59.4 %*		*19 - 111*		B7L0183	12/06/2017	*12/08/17 18:08*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

QUALITY CONTROL SECTION

Alkalinity, Speciated by SM 2320B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0175 - No_Prep_WC1_W										
Blank (B7L0175-BLK1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1.6							
Alkalinity, Total (as CaCO3)	ND	5.0	1.6							
LCS (B7L0175-BS1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Total (as CaCO3)	98.7700	5.0	1.6	99.9580		98.8	80 - 120			
Matrix Spike (B7L0175-MS1)			**Source: 1704245-04**		Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Total (as CaCO3)	298.350	5.0	1.6	99.9580	199.590	98.8	80 - 120			
Matrix Spike Dup (B7L0175-MSD1)			**Source: 1704245-04**		Prepared: 12/6/2017 Analyzed: 12/6/2017					
Alkalinity, Total (as CaCO3)	297.330	5.0	1.6	99.9580	199.590	97.8	80 - 120	0.342	20	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0115 - No_Prep_WC1_W										
Blank (B7L0115-BLK1)					Prepared: 12/5/2017 Analyzed: 12/6/2017					
Residue, Suspended	ND	1.0	1.0							
LCS (B7L0115-BS1)					Prepared: 12/5/2017 Analyzed: 12/6/2017					
Residue, Suspended	85.0000	10	10	92.0000		92.4	80 - 120			
Duplicate (B7L0115-DUP1)			**Source: 1704236-01**		Prepared: 12/5/2017 Analyzed: 12/6/2017					
Residue, Suspended	309.000	10	10		328.000			5.97	10	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Bromide by Ion Chromatography EPA 300 - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0165 - No_Prep_IC1_W										
Blank (B7L0165-BLK1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Bromide	ND	0.05	0.02							
LCS (B7L0165-BS1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Bromide	0.945100	0.05	0.02	1.00000		94.5	90 - 110			
Duplicate (B7L0165-DUP1)			**Source: 1704245-02RE1**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Bromide	ND	0.50	0.17		ND				20	
Matrix Spike (B7L0165-MS1)			**Source: 1704245-02RE1**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Bromide	2.46020			2.50000	0.00000	98.4	80 - 120			
Matrix Spike Dup (B7L0165-MSD1)			**Source: 1704245-02RE1**		Prepared: 12/5/2017 Analyzed: 12/5/2017					
Bromide	2.46300			2.50000	0.00000	98.5	80 - 120	0.114	20	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

UV Absorption by EPA 415.3 - Quality Control

Analyte	Result (1/cm)	PQL (1/cm)	MDL (1/cm)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0103 - No_Prep_II_W										
Duplicate (B7L0103-DUP1)			**Source: 1704245-02**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP2)			**Source: 1704245-03**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP3)			**Source: 1704245-04**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP4)			**Source: 1704245-05**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	
Duplicate (B7L0103-DUP5)			**Source: 1704246-05**		Prepared: 12/4/2017 Analyzed: 12/4/2017					
UV Absorption	ND	0.01	0.01		ND			NR	20	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Total Organic Carbon by SM 5310B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0200 - No_Prep_II_W										
Blank (B7L0200-BLK1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Organic Carbon, Total	ND	3.0	1.8							
LCS (B7L0200-BS1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Organic Carbon, Total	18.1300	3.0	1.8	20.0000		90.6	80 - 120			
LCS Dup (B7L0200-BSD1)					Prepared: 12/6/2017 Analyzed: 12/6/2017					
Organic Carbon, Total	17.9900	3.0	1.8	20.0000		90.0	80 - 120	0.775	20	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0081 - MSVOA_W										
Blank (B7L0081-BLK1)					Prepared: 12/4/2017 Analyzed: 12/4/2017					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
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Report To : Steve Netto
Reported : 12/27/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0081 - MSVOA_W (continued)										
Blank (B7L0081-BLK1) - Continued					Prepared: 12/4/2017 Analyzed: 12/4/2017					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*24.02*			*25.0000*		*96.1*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.17*			*25.0000*		*96.7*	*88 - 120*			
Surrogate: Dibromofluoromethan	*24.98*			*25.0000*		*99.9*	*80 - 150*			
Surrogate: Toluene-d8	*25.04*			*25.0000*		*100*	*87 - 121*			
LCS (B7L0081-BS1)					Prepared: 12/4/2017 Analyzed: 12/4/2017					
1,1,1,2-Tetrachloroethane	21.6800	0.50	0.13	20.0000		108	73 - 136			
1,1,1-Trichloroethane	21.0900	0.50	0.38	20.0000		105	73 - 143			
1,1,2,2-Tetrachloroethane	17.5400	0.50	0.20	20.0000		87.7	62 - 127			
1,1,2-Trichloroethane	18.5100	0.50	0.19	20.0000		92.6	72 - 122			
1,1-Dichloroethane	19.3600	0.50	0.20	20.0000		96.8	73 - 138			
1,1-Dichloroethene	20.8600	0.50	0.28	20.0000		104	74 - 132			
1,1-Dichloropropene	20.6100	0.50	0.36	20.0000		103	70 - 143			
1,2,3-Trichloropropane	16.5100	0.50	0.16	20.0000		82.6	66 - 119			
1,2,3-Trichlorobenzene	19.0400	0.50	0.06	20.0000		95.2	70 - 131			
1,2,4-Trichlorobenzene	19.0200	0.50	0.07	20.0000		95.1	70 - 128			
1,2,4-Trimethylbenzene	20.1400	0.50	0.09	20.0000		101	74 - 142			
1,2-Dibromo-3-chloropropane	16.4700	0.50	0.20	20.0000		82.4	56 - 118			
1,2-Dibromoethane	18.8000	0.50	0.13	20.0000		94.0	73 - 122			
1,2-Dichlorobenzene	19.4700	0.50	0.12	20.0000		97.4	75 - 128			
1,2-Dichloroethane	18.9500	0.50	0.39	20.0000		94.8	70 - 131			
1,2-Dichloropropane	19.4500	0.50	0.47	20.0000		97.2	69 - 124			
1,3,5-Trimethylbenzene	19.9500	0.50	0.08	20.0000		99.8	73 - 144			
1,3-Dichlorobenzene	19.7000	0.50	0.13	20.0000		98.5	75 - 131			
1,3-Dichloropropane	17.6700	0.50	0.08	20.0000		88.4	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0081 - MSVOA_W (continued)										
LCS (B7L0081-BS1) - Continued					Prepared: 12/4/2017 Analyzed: 12/4/2017					
1,4-Dichlorobenzene	19.0200	0.50	0.18	20.0000		95.1	75 - 127			
2,2-Dichloropropane	24.5000	0.50	0.23	20.0000		122	68 - 151			
2-Chlorotoluene	19.8300	0.50	0.12	20.0000		99.2	72 - 138			
4-Chlorotoluene	19.7400	0.50	0.11	20.0000		98.7	72 - 140			
4-Isopropyltoluene	20.0400	0.50	0.12	20.0000		100	74 - 149			
Benzene	40.0000	0.50	0.21	40.0000		100	67 - 138			
Bromobenzene	19.9700	0.50	0.12	20.0000		99.8	73 - 127			
Bromodichloromethane	19.6900	0.50	0.32	20.0000		98.4	74 - 129			
Bromoform	20.2300	0.50	0.14	20.0000		101	63 - 131			
Bromomethane	27.7400	0.50	0.22	20.0000		139	57 - 216			
Carbon tetrachloride	24.8600	0.50	0.31	20.0000		124	77 - 151			
Chlorobenzene	19.1400	0.50	0.16	20.0000		95.7	73 - 125			
Chloroethane	31.9900	0.50	0.29	20.0000		160	54 - 154			L4
Chloroform	20.2400	0.50	0.16	20.0000		101	77 - 132			
Chloromethane	19.8500	0.50	0.19	20.0000		99.2	57 - 142			
cis-1,2-Dichloroethene	19.5400	0.50	0.39	20.0000		97.7	73 - 126			
cis-1,3-Dichloropropene	20.2900	0.50	0.08	20.0000		101	76 - 120			
Dibromochloromethane	19.7200	0.50	0.11	20.0000		98.6	71 - 126			
Dibromomethane	18.7200	0.50	0.09	20.0000		93.6	73 - 121			
Dichlorodifluoromethane	19.9400	0.50	0.31	20.0000		99.7	48 - 152			
Ethylbenzene	40.1200	0.50	0.08	40.0000		100	72 - 134			
Hexachlorobutadiene	20.9100	0.50	0.22	20.0000		105	72 - 139			
Isopropylbenzene	19.9700	0.50	0.10	20.0000		99.8	73 - 146			
m,p-Xylene	39.9500	1.0	0.18	40.0000		99.9	75 - 138			
Methylene chloride	22.8800	1.0	0.26	20.0000		114	52 - 154			
n-Butylbenzene	20.4500	0.50	0.15	20.0000		102	72 - 151			
n-Propylbenzene	20.2000	0.50	0.14	20.0000		101	69 - 149			
Naphthalene	17.5000	0.50	0.09	20.0000		87.5	61 - 122			
o-Xylene	39.0400	0.50	0.04	40.0000		97.6	66 - 147			
sec-Butylbenzene	20.4200	0.50	0.15	20.0000		102	72 - 148			
Styrene	19.5900	0.50	0.05	20.0000		98.0	72 - 138			
tert-Butylbenzene	20.3000	0.50	0.11	20.0000		102	70 - 145			
Tetrachloroethene	20.7500	0.50	0.18	20.0000		104	61 - 145			
Toluene	39.8900	0.50	0.14	40.0000		99.7	70 - 140			
trans-1,2-Dichloroethene	19.6000	0.50	0.15	20.0000		98.0	73 - 130			
Trichloroethene	19.6400	0.50	0.15	20.0000		98.2	69 - 126			
Trichlorofluoromethane	24.0100	0.50	0.33	20.0000		120	70 - 159			
Vinyl chloride	21.4900	0.50	0.25	20.0000		107	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*24.55*			*25.0000*		*98.2*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.15*			*25.0000*		*96.6*	*88 - 120*			
Surrogate: Dibromofluoromethan	*25.90*			*25.0000*		*104*	*80 - 150*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0081 - MSVOA_W (continued)										
LCS (B7L0081-BS1) - Continued					Prepared: 12/4/2017 Analyzed: 12/4/2017					
Surrogate: Toluene-d8	*24.10*			*25.0000*		*96.4*	*87 - 121*			
LCS Dup (B7L0081-BSD1)					Prepared: 12/4/2017 Analyzed: 12/4/2017					
1,1,1,2-Tetrachloroethane	20.4500	0.50	0.13	20.0000		102	73 - 136	5.84	20	
1,1,1-Trichloroethane	20.3000	0.50	0.38	20.0000		102	73 - 143	3.82	20	
1,1,2,2-Tetrachloroethane	18.2000	0.50	0.20	20.0000		91.0	62 - 127	3.69	20	
1,1,2-Trichloroethane	18.5100	0.50	0.19	20.0000		92.6	72 - 122	0.00	20	
1,1-Dichloroethane	19.5900	0.50	0.20	20.0000		98.0	73 - 138	1.18	20	
1,1-Dichloroethene	18.6200	0.50	0.28	20.0000		93.1	74 - 132	11.3	20	
1,1-Dichloropropene	20.1600	0.50	0.36	20.0000		101	70 - 143	2.21	20	
1,2,3-Trichloropropane	16.9600	0.50	0.16	20.0000		84.8	66 - 119	2.69	20	
1,2,3-Trichlorobenzene	18.9800	0.50	0.06	20.0000		94.9	70 - 131	0.316	20	
1,2,4-Trichlorobenzene	18.4300	0.50	0.07	20.0000		92.2	70 - 128	3.15	20	
1,2,4-Trimethylbenzene	20.1700	0.50	0.09	20.0000		101	74 - 142	0.149	20	
1,2-Dibromo-3-chloropropane	17.9600	0.50	0.20	20.0000		89.8	56 - 118	8.66	20	
1,2-Dibromoethane	19.1000	0.50	0.13	20.0000		95.5	73 - 122	1.58	20	
1,2-Dichlorobenzene	19.1100	0.50	0.12	20.0000		95.6	75 - 128	1.87	20	
1,2-Dichloroethane	18.2100	0.50	0.39	20.0000		91.0	70 - 131	3.98	20	
1,2-Dichloropropane	18.6900	0.50	0.47	20.0000		93.4	69 - 124	3.99	20	
1,3,5-Trimethylbenzene	19.6000	0.50	0.08	20.0000		98.0	73 - 144	1.77	20	
1,3-Dichlorobenzene	19.9700	0.50	0.13	20.0000		99.8	75 - 131	1.36	20	
1,3-Dichloropropane	17.9400	0.50	0.08	20.0000		89.7	70 - 122	1.52	20	
1,4-Dichlorobenzene	18.5000	0.50	0.18	20.0000		92.5	75 - 127	2.77	20	
2,2-Dichloropropane	23.6500	0.50	0.23	20.0000		118	68 - 151	3.53	20	
2-Chlorotoluene	19.5000	0.50	0.12	20.0000		97.5	72 - 138	1.68	20	
4-Chlorotoluene	18.8800	0.50	0.11	20.0000		94.4	72 - 140	4.45	20	
4-Isopropyltoluene	19.6500	0.50	0.12	20.0000		98.2	74 - 149	1.97	20	
Benzene	39.4000	0.50	0.21	40.0000		98.5	67 - 138	1.51	20	
Bromobenzene	19.5900	0.50	0.12	20.0000		98.0	73 - 127	1.92	20	
Bromodichloromethane	19.7600	0.50	0.32	20.0000		98.8	74 - 129	0.355	20	
Bromoform	20.4700	0.50	0.14	20.0000		102	63 - 131	1.18	20	
Bromomethane	28.1200	0.50	0.22	20.0000		141	57 - 216	1.36	20	
Carbon tetrachloride	24.5200	0.50	0.31	20.0000		123	77 - 151	1.38	20	
Chlorobenzene	19.0100	0.50	0.16	20.0000		95.0	73 - 125	0.682	20	
Chloroethane	27.2400	0.50	0.29	20.0000		136	54 - 154	16.0	20	
Chloroform	19.3600	0.50	0.16	20.0000		96.8	77 - 132	4.44	20	
Chloromethane	20.3500	0.50	0.19	20.0000		102	57 - 142	2.49	20	
cis-1,2-Dichloroethene	18.6300	0.50	0.39	20.0000		93.2	73 - 126	4.77	20	
cis-1,3-Dichloropropene	19.8200	0.50	0.08	20.0000		99.1	76 - 120	2.34	20	
Dibromochloromethane	20.1600	0.50	0.11	20.0000		101	71 - 126	2.21	20	
Dibromomethane	18.8200	0.50	0.09	20.0000		94.1	73 - 121	0.533	20	
Dichlorodifluoromethane	18.9200	0.50	0.31	20.0000		94.6	48 - 152	5.25	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0081 - MSVOA_W (continued)										
LCS Dup (B7L0081-BSD1) - Continued					Prepared: 12/4/2017 Analyzed: 12/4/2017					
Ethylbenzene	39.7400	0.50	0.08	40.0000		99.4	72 - 134	0.952	20	
Hexachlorobutadiene	20.4400	0.50	0.22	20.0000		102	72 - 139	2.27	20	
Isopropylbenzene	19.7700	0.50	0.10	20.0000		98.8	73 - 146	1.01	20	
m,p-Xylene	38.4600	1.0	0.18	40.0000		96.2	75 - 138	3.80	20	
Methylene chloride	20.8500	1.0	0.26	20.0000		104	52 - 154	9.28	20	
n-Butylbenzene	19.3100	0.50	0.15	20.0000		96.6	72 - 151	5.73	20	
n-Propylbenzene	19.2300	0.50	0.14	20.0000		96.2	69 - 149	4.92	20	
Naphthalene	18.2500	0.50	0.09	20.0000		91.2	61 - 122	4.20	20	
o-Xylene	38.1700	0.50	0.04	40.0000		95.4	66 - 147	2.25	20	
sec-Butylbenzene	19.9400	0.50	0.15	20.0000		99.7	72 - 148	2.38	20	
Styrene	19.6100	0.50	0.05	20.0000		98.0	72 - 138	0.102	20	
tert-Butylbenzene	20.1000	0.50	0.11	20.0000		100	70 - 145	0.990	20	
Tetrachloroethene	19.7200	0.50	0.18	20.0000		98.6	61 - 145	5.09	20	
Toluene	39.3000	0.50	0.14	40.0000		98.2	70 - 140	1.49	20	
trans-1,2-Dichloroethene	18.4000	0.50	0.15	20.0000		92.0	73 - 130	6.32	20	
Trichloroethene	19.5400	0.50	0.15	20.0000		97.7	69 - 126	0.510	20	
Trichlorofluoromethane	21.4400	0.50	0.33	20.0000		107	70 - 159	11.3	20	
Vinyl chloride	20.4400	0.50	0.25	20.0000		102	56 - 151	5.01	20	
Surrogate: 1,2-Dichloroethane-d4	*24.50*			*25.0000*		*98.0*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.60*			*25.0000*		*98.4*	*88 - 120*			
Surrogate: Dibromofluoromethan	*25.11*			*25.0000*		*100*	*80 - 150*			
Surrogate: Toluene-d8	*24.68*			*25.0000*		*98.7*	*87 - 121*			

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0116 - MSVOA_W										
Blank (B7L0116-BLK1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0116 - MSVOA_W (continued)										
Blank (B7L0116-BLK1) - Continued						Prepared: 12/5/2017 Analyzed: 12/5/2017				
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*24.69*			*25.0000*		*98.8*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.42*			*25.0000*		*97.7*	*88 - 120*			
Surrogate: Dibromofluoromethan	*25.67*			*25.0000*		*103*	*80 - 150*			
Surrogate: Toluene-d8	*24.93*			*25.0000*		*99.7*	*87 - 121*			
LCS (B7L0116-BS1)						Prepared: 12/5/2017 Analyzed: 12/5/2017				
1,1,1,2-Tetrachloroethane	20.8900	0.50	0.13	20.0000		104	73 - 136			
1,1,1-Trichloroethane	20.2800	0.50	0.38	20.0000		101	73 - 143			
1,1,2,2-Tetrachloroethane	19.2000	0.50	0.20	20.0000		96.0	62 - 127			
1,1,2-Trichloroethane	19.3600	0.50	0.19	20.0000		96.8	72 - 122			
1,1-Dichloroethane	19.9400	0.50	0.20	20.0000		99.7	73 - 138			
1,1-Dichloroethene	18.7800	0.50	0.28	20.0000		93.9	74 - 132			
1,1-Dichloropropene	19.8200	0.50	0.36	20.0000		99.1	70 - 143			
1,2,3-Trichloropropane	17.9800	0.50	0.16	20.0000		89.9	66 - 119			
1,2,3-Trichlorobenzene	19.3800	0.50	0.06	20.0000		96.9	70 - 131			
1,2,4-Trichlorobenzene	19.5500	0.50	0.07	20.0000		97.8	70 - 128			
1,2,4-Trimethylbenzene	20.4300	0.50	0.09	20.0000		102	74 - 142			
1,2-Dibromo-3-chloropropane	18.7600	0.50	0.20	20.0000		93.8	56 - 118			
1,2-Dibromoethane	19.3800	0.50	0.13	20.0000		96.9	73 - 122			
1,2-Dichlorobenzene	19.4100	0.50	0.12	20.0000		97.0	75 - 128			
1,2-Dichloroethane	18.1700	0.50	0.39	20.0000		90.8	70 - 131			
1,2-Dichloropropane	19.5400	0.50	0.47	20.0000		97.7	69 - 124			
1,3,5-Trimethylbenzene	20.3700	0.50	0.08	20.0000		102	73 - 144			
1,3-Dichlorobenzene	19.7500	0.50	0.13	20.0000		98.8	75 - 131			
1,3-Dichloropropane	19.3700	0.50	0.08	20.0000		96.8	70 - 122			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0116 - MSVOA_W (continued)										
LCS (B7L0116-BS1) - Continued					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,4-Dichlorobenzene	18.7700	0.50	0.18	20.0000		93.8	75 - 127			
2,2-Dichloropropane	23.0600	0.50	0.23	20.0000		115	68 - 151			
2-Chlorotoluene	20.1600	0.50	0.12	20.0000		101	72 - 138			
4-Chlorotoluene	19.7700	0.50	0.11	20.0000		98.8	72 - 140			
4-Isopropyltoluene	20.8800	0.50	0.12	20.0000		104	74 - 149			
Benzene	40.3100	0.50	0.21	40.0000		101	67 - 138			
Bromobenzene	19.5700	0.50	0.12	20.0000		97.8	73 - 127			
Bromodichloromethane	19.2400	0.50	0.32	20.0000		96.2	74 - 129			
Bromoform	21.1400	0.50	0.14	20.0000		106	63 - 131			
Bromomethane	22.0300	0.50	0.22	20.0000		110	57 - 216			
Carbon tetrachloride	22.8600	0.50	0.31	20.0000		114	77 - 151			
Chlorobenzene	19.3500	0.50	0.16	20.0000		96.8	73 - 125			
Chloroethane	27.4500	0.50	0.29	20.0000		137	54 - 154			
Chloroform	19.6100	0.50	0.16	20.0000		98.0	77 - 132			
Chloromethane	18.8800	0.50	0.19	20.0000		94.4	57 - 142			
cis-1,2-Dichloroethene	18.9400	0.50	0.39	20.0000		94.7	73 - 126			
cis-1,3-Dichloropropene	20.1200	0.50	0.08	20.0000		101	76 - 120			
Dibromochloromethane	20.1100	0.50	0.11	20.0000		101	71 - 126			
Dibromomethane	19.2100	0.50	0.09	20.0000		96.0	73 - 121			
Dichlorodifluoromethane	19.1600	0.50	0.31	20.0000		95.8	48 - 152			
Ethylbenzene	41.4500	0.50	0.08	40.0000		104	72 - 134			
Hexachlorobutadiene	21.7500	0.50	0.22	20.0000		109	72 - 139			
Isopropylbenzene	20.0300	0.50	0.10	20.0000		100	73 - 146			
m,p-Xylene	40.4200	1.0	0.18	40.0000		101	75 - 138			
Methylene chloride	19.2900	1.0	0.26	20.0000		96.4	52 - 154			
n-Butylbenzene	21.4400	0.50	0.15	20.0000		107	72 - 151			
n-Propylbenzene	20.5400	0.50	0.14	20.0000		103	69 - 149			
Naphthalene	18.7900	0.50	0.09	20.0000		94.0	61 - 122			
o-Xylene	39.3600	0.50	0.04	40.0000		98.4	66 - 147			
sec-Butylbenzene	20.6500	0.50	0.15	20.0000		103	72 - 148			
Styrene	20.0600	0.50	0.05	20.0000		100	72 - 138			
tert-Butylbenzene	19.9700	0.50	0.11	20.0000		99.8	70 - 145			
Tetrachloroethene	20.4200	0.50	0.18	20.0000		102	61 - 145			
Toluene	39.9900	0.50	0.14	40.0000		100	70 - 140			
trans-1,2-Dichloroethene	19.3400	0.50	0.15	20.0000		96.7	73 - 130			
Trichloroethene	19.6600	0.50	0.15	20.0000		98.3	69 - 126			
Trichlorofluoromethane	21.8100	0.50	0.33	20.0000		109	70 - 159			
Vinyl chloride	20.4700	0.50	0.25	20.0000		102	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*25.10*			*25.0000*		*100*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.73*			*25.0000*		*103*	*88 - 120*			
Surrogate: Dibromofluoromethan	*25.99*			*25.0000*		*104*	*80 - 150*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0116 - MSVOA_W (continued)										
LCS (B7L0116-BS1) - Continued					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Surrogate: Toluene-d8	*25.17*			*25.0000*		*101*	*87 - 121*			
LCS Dup (B7L0116-BSD1)					Prepared: 12/5/2017 Analyzed: 12/5/2017					
1,1,1,2-Tetrachloroethane	21.1000	0.50	0.13	20.0000		106	73 - 136	1.00	20	
1,1,1-Trichloroethane	20.3500	0.50	0.38	20.0000		102	73 - 143	0.345	20	
1,1,2,2-Tetrachloroethane	18.7100	0.50	0.20	20.0000		93.6	62 - 127	2.59	20	
1,1,2-Trichloroethane	18.4900	0.50	0.19	20.0000		92.4	72 - 122	4.60	20	
1,1-Dichloroethane	20.1000	0.50	0.20	20.0000		100	73 - 138	0.799	20	
1,1-Dichloroethene	20.3000	0.50	0.28	20.0000		102	74 - 132	7.78	20	
1,1-Dichloropropene	19.4800	0.50	0.36	20.0000		97.4	70 - 143	1.73	20	
1,2,3-Trichloropropane	17.4400	0.50	0.16	20.0000		87.2	66 - 119	3.05	20	
1,2,3-Trichlorobenzene	19.0500	0.50	0.06	20.0000		95.2	70 - 131	1.72	20	
1,2,4-Trichlorobenzene	19.4700	0.50	0.07	20.0000		97.4	70 - 128	0.410	20	
1,2,4-Trimethylbenzene	20.7900	0.50	0.09	20.0000		104	74 - 142	1.75	20	
1,2-Dibromo-3-chloropropane	19.7000	0.50	0.20	20.0000		98.5	56 - 118	4.89	20	
1,2-Dibromoethane	18.2700	0.50	0.13	20.0000		91.4	73 - 122	5.90	20	
1,2-Dichlorobenzene	19.3600	0.50	0.12	20.0000		96.8	75 - 128	0.258	20	
1,2-Dichloroethane	17.7200	0.50	0.39	20.0000		88.6	70 - 131	2.51	20	
1,2-Dichloropropane	18.8400	0.50	0.47	20.0000		94.2	69 - 124	3.65	20	
1,3,5-Trimethylbenzene	20.4000	0.50	0.08	20.0000		102	73 - 144	0.147	20	
1,3-Dichlorobenzene	20.0100	0.50	0.13	20.0000		100	75 - 131	1.31	20	
1,3-Dichloropropane	19.2200	0.50	0.08	20.0000		96.1	70 - 122	0.777	20	
1,4-Dichlorobenzene	18.7200	0.50	0.18	20.0000		93.6	75 - 127	0.267	20	
2,2-Dichloropropane	22.9300	0.50	0.23	20.0000		115	68 - 151	0.565	20	
2-Chlorotoluene	19.8200	0.50	0.12	20.0000		99.1	72 - 138	1.70	20	
4-Chlorotoluene	20.1900	0.50	0.11	20.0000		101	72 - 140	2.10	20	
4-Isopropyltoluene	20.8200	0.50	0.12	20.0000		104	74 - 149	0.288	20	
Benzene	39.5400	0.50	0.21	40.0000		98.8	67 - 138	1.93	20	
Bromobenzene	19.4200	0.50	0.12	20.0000		97.1	73 - 127	0.769	20	
Bromodichloromethane	18.6600	0.50	0.32	20.0000		93.3	74 - 129	3.06	20	
Bromoform	21.0300	0.50	0.14	20.0000		105	63 - 131	0.522	20	
Bromomethane	23.1000	0.50	0.22	20.0000		116	57 - 216	4.74	20	
Carbon tetrachloride	22.5100	0.50	0.31	20.0000		113	77 - 151	1.54	20	
Chlorobenzene	19.2000	0.50	0.16	20.0000		96.0	73 - 125	0.778	20	
Chloroethane	28.6200	0.50	0.29	20.0000		143	54 - 154	4.17	20	
Chloroform	20.1300	0.50	0.16	20.0000		101	77 - 132	2.62	20	
Chloromethane	20.5800	0.50	0.19	20.0000		103	57 - 142	8.62	20	
cis-1,2-Dichloroethene	19.3500	0.50	0.39	20.0000		96.8	73 - 126	2.14	20	
cis-1,3-Dichloropropene	19.5000	0.50	0.08	20.0000		97.5	76 - 120	3.13	20	
Dibromochloromethane	19.7200	0.50	0.11	20.0000		98.6	71 - 126	1.96	20	
Dibromomethane	17.7600	0.50	0.09	20.0000		88.8	73 - 121	7.84	20	
Dichlorodifluoromethane	20.5600	0.50	0.31	20.0000		103	48 - 152	7.05	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0116 - MSVOA_W (continued)										
LCS Dup (B7L0116-BSD1) - Continued					Prepared: 12/5/2017 Analyzed: 12/5/2017					
Ethylbenzene	40.7000	0.50	0.08	40.0000		102	72 - 134	1.83	20	
Hexachlorobutadiene	21.7700	0.50	0.22	20.0000		109	72 - 139	0.0919	20	
Isopropylbenzene	20.2800	0.50	0.10	20.0000		101	73 - 146	1.24	20	
m,p-Xylene	39.9700	1.0	0.18	40.0000		99.9	75 - 138	1.12	20	
Methylene chloride	21.1500	1.0	0.26	20.0000		106	52 - 154	9.20	20	
n-Butylbenzene	21.6100	0.50	0.15	20.0000		108	72 - 151	0.790	20	
n-Propylbenzene	20.7500	0.50	0.14	20.0000		104	69 - 149	1.02	20	
Naphthalene	18.0800	0.50	0.09	20.0000		90.4	61 - 122	3.85	20	
o-Xylene	39.2900	0.50	0.04	40.0000		98.2	66 - 147	0.178	20	
sec-Butylbenzene	20.9200	0.50	0.15	20.0000		105	72 - 148	1.30	20	
Styrene	20.2100	0.50	0.05	20.0000		101	72 - 138	0.745	20	
tert-Butylbenzene	20.1100	0.50	0.11	20.0000		101	70 - 145	0.699	20	
Tetrachloroethene	19.8300	0.50	0.18	20.0000		99.2	61 - 145	2.93	20	
Toluene	38.1600	0.50	0.14	40.0000		95.4	70 - 140	4.68	20	
trans-1,2-Dichloroethene	19.2500	0.50	0.15	20.0000		96.2	73 - 130	0.466	20	
Trichloroethene	19.0300	0.50	0.15	20.0000		95.2	69 - 126	3.26	20	
Trichlorofluoromethane	22.7000	0.50	0.33	20.0000		114	70 - 159	4.00	20	
Vinyl chloride	20.6800	0.50	0.25	20.0000		103	56 - 151	1.02	20	
Surrogate: 1,2-Dichloroethane-d4	*25.75*			*25.0000*		*103*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.65*			*25.0000*		*103*	*88 - 120*			
Surrogate: Dibromofluoromethan	*26.06*			*25.0000*		*104*	*80 - 150*			
Surrogate: Toluene-d8	*24.55*			*25.0000*		*98.2*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0183 - MSSEMI_W										
Blank (B7L0183-BLK1)						Prepared: 12/6/2017 Analyzed: 12/8/2017				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*60.00*			*100.000*		*60.0*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*67.39*			*100.000*		*67.4*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*94.19*			*100.000*		*94.2*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*63.32*			*100.000*		*63.3*	*19 - 111*			
LCS (B7L0183-BS1)						Prepared: 12/6/2017 Analyzed: 12/8/2017				
1,4-Dioxane	100.040	2.0	0.84	100.000		100	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*57.49*			*100.000*		*57.5*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*68.63*			*100.000*		*68.6*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*86.56*			*100.000*		*86.6*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*62.47*			*100.000*		*62.5*	*19 - 111*			
LCS Dup (B7L0183-BSD1)						Prepared: 12/6/2017 Analyzed: 12/8/2017				
1,4-Dioxane	105.140	2.0	0.84	100.000		105	85 - 121	4.97	20	
Surrogate: 1,2-Dichlorobenzene-d	*56.04*			*100.000*		*56.0*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*66.18*			*100.000*		*66.2*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*80.86*			*100.000*		*80.9*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*60.62*			*100.000*		*60.6*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/27/2017

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0195 - MSSEMI_W										
Blank (B7L0195-BLK1)					Prepared: 12/7/2017 Analyzed: 12/7/2017					
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.8703*			*1.00000*		*87.0*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9014*			*1.00000*		*90.1*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8874*			*1.00000*		*88.7*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*1.052*			*1.00000*		*105*	*17 - 123*			
LCS (B7L0195-BS1)					Prepared: 12/7/2017 Analyzed: 12/7/2017					
1,4-Dioxane	0.852420	0.20	0.11	1.00000		85.2	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8479*			*1.00000*		*84.8*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8984*			*1.00000*		*89.8*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8640*			*1.00000*		*86.4*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.9687*			*1.00000*		*96.9*	*17 - 123*			
LCS Dup (B7L0195-BSD1)					Prepared: 12/7/2017 Analyzed: 12/7/2017					
1,4-Dioxane	0.813140	0.20	0.11	1.00000		81.3	61 - 166	4.72	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.8412*			*1.00000*		*84.1*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8894*			*1.00000*		*88.9*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8926*			*1.00000*		*89.3*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.9965*			*1.00000*		*99.6*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
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San Diego , CA 92122	Reported : 12/27/2017

Notes and Definitions

L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

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Testing, calibrating, advising

Certificate of Analysis

December 22, 2017

Advanced Technology Laboratories
PO Box 92797
Long Beach, CA 90809-2797

Attn: Rachelle Arada

Exova Job No:	218369
Purchase Order:	PAID - CREDIT CARD
Project Name:	1704246 / Groundwater
Samples Received:	2
Date Received:	12-06-17

Analysis	Page
Bromate by SOP 5600, Rev 3	2

Michael Shelton
Technical Director

Samina N. Hussain
Senior Chemist

This report is to be reproduced in its entirety. All documents and data will be destroyed 7 years past invoice.
All samples will be disposed of 30 days past invoice unless prior arrangements have been made.

Bromate by SOP 5600, Rev 3
Ion Chromatography-Tandem Mass Spectrometry

Sample preparation: An aliquot of sample was pipetted into a Nalgene bottle, spiked with internal standard (bromate-$^{18}O_3$), and diluted with water. The sample solutions were passed through a Dionex OnGuard II H cartridge and analyzed using IC-MS/MS.

Parts Per Billion (µg/L)

Sample ID	Result
ATL Lab#: 1704246-03 / POX	ND
ATL Lab#: 1704246-06 / INF	ND
Method Blank	ND
Detection Limit	0.5

Date Analyzed: 12-15-17

Quality Control Summary

Sample ID: ATL Lab#: 1704246-06 / POX

Analyte	Sample Result	Spike Conc	Spike Result	Spike % Rec	Spike Duplicate Result	Spike Duplicate % Rec	Spike RPD
Bromate	ND	10.0	9.98	100	9.13	91	9
QC Guidelines				80-120		80-120	NMT 15

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 1704246

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Rachelle Arada (Rachelle@atlglobal.com)
Sampler: Steve Stewart

RECEIVING LABORATORY:

Exova Inc.
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Phone :(562) 948-2225
Fax: (562) 948-5850
PO#: SC12240- STANDARD TAT

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1704246-03 (1) / POX		**Groundwater**	**12/04/17 10:50**	
Bromate_ICMS/MS_SUB	**12/19/17 17:00**	01/01/18 10:50		
[Bromate by IC-MS/MS]				
1-Poly Unpres - 125mL				
ATL Lab#: 1704246-06 (2) / INF		**Groundwater**	**12/04/17 11:10**	
Bromate_ICMS/MS_SUB	**12/19/17 17:00**	01/01/18 11:10		
[Bromate by IC-MS/MS]				

12.06.17 CK: ~~Sample~~ (3) 12.06.17 CK2 also has:

(1) H
(2) F

Released By	Date	Received By	Date
	12/6/17		12-06-17
Released By	Date	Received By	Date

218369

12/4/17

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 12/04/2017
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Steve Stewart

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)		Sulfuric Acid (H_2SO_4)	Ice	CONTAINERS: 40-ml VOA	125 mL Poly	250 mL Poly	250 mL Glass	1 L Poly	1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	Bromate by EPA 317	Bromide by EPA 300	Alkalinity by SM2320B	Total Organic Carbon by SM5310B	Total Suspended Solids by SM2540D	UV Absorption EPA 415.3 @254 nm	1,4-Dioxane by EPA 8270C MOD	1,4-Dioxane by EPA 8270 SIM	Expected Concentration Range (ppb) for VOAs: 0 - 10	10 - 100	100 - 1,000	>1,000		SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1704246-01	TB-120417	12/4/2017	7:00		X	X				X	2						X									X							X			
-02	CBT	12/4/2017	10:40	X		X				X	3					1	X							X		X							X			
-03	POX	12/4/2017	10:50	X		X			X	X	5	1	1			1	X	X		X	X			X		X							X			
-04	CEFF	12/4/2017	10:30	X		X				X	3					1	X							X		X							X			
-05	PF	12/4/2017	11:00	X		X			X	X	2		1	1	1					X	X	X	X										X			
-06	INF	12/4/2017	11:10	X		X				X	3	2				1	X	X	X					X				X					X			
-07	EW-02	12/4/2017	11:45	X		X				X	3	1				1	X		X					X			X						X			
-08	MW-29	12/4/2017	12:05	X		X				X	3	1				1	X		X					X				X					X			
Total number of containers per analysis:											24	5	2	1	1	6																					Total No. of Containers: 39

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
Steve Stewart H+A	12/4/17 12:30	H+A	12/4/2017 12:30
H+A	12/4/17 1:34		12/4/17 1339

- ☐ No. of containers correct
- ☐ Received in good condition
- ☐ Custody seals secure
- ☐ Conforms to COC document

0.8, 1.0 °C Temperature on receipt

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Laboratory
Advanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Instructions
1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

December 22, 2017

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1704380
Client Reference : Raytheon Main GETS Mid Month Sample, 532.15

Enclosed are the results for sample(s) received on December 14, 2017 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-121417	1704380-01	Lab prepared water	12/14/17 8:00	12/14/17 16:06
CEFF	1704380-02	Groundwater	12/14/17 13:20	12/14/17 16:06
CBT	1704380-03	Groundwater	12/14/17 13:30	12/14/17 16:06
POX	1704380-04	Groundwater	12/14/17 13:40	12/14/17 16:06
INF	1704380-05	Groundwater	12/14/17 13:50	12/14/17 16:06
EW-02	1704380-06	Groundwater	12/14/17 14:20	12/14/17 16:06
MW-29	1704380-07	Groundwater	12/14/17 14:35	12/14/17 16:06

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID TB-121417

Lab ID: 1704380-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,1-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,1-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID TB-121417

Lab ID: 1704380-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 13:47	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 13:47	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Tetrachloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Trichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 13:47	
Surrogate: 1,2-Dichloroethane-d4	*90.9 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 13:47*	
Surrogate: 4-Bromofluorobenzene	*94.6 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 13:47*	
Surrogate: Dibromofluoromethane	*96.4 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 13:47*	
Surrogate: Toluene-d8	*98.6 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 13:47*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID CEFF

Lab ID: 1704380-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,1-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,1-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID CEFF

Lab ID: 1704380-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 14:10	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 14:10	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Tetrachloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Trichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:10	
Surrogate: 1,2-Dichloroethane-d4	*94.8 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 14:10*	
Surrogate: 4-Bromofluorobenzene	*93.4 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 14:10*	
Surrogate: Dibromofluoromethane	*95.5 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 14:10*	
Surrogate: Toluene-d8	*94.3 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 14:10*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID CEFF

Lab ID: 1704380-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B7L0518	12/18/2017	12/18/17 23:41	
Surrogate: 1,2-Dichlorobenzene-d4	*88.9 %*		*32 - 99*		B7L0518	12/18/2017	*12/18/17 23:41*	
Surrogate: 2-Fluorobiphenyl	*95.9 %*		*29 - 105*		B7L0518	12/18/2017	*12/18/17 23:41*	
Surrogate: 4-Terphenyl-d14	*81.1 %*		*32 - 119*		B7L0518	12/18/2017	*12/18/17 23:41*	
Surrogate: Nitrobenzene-d5	*117 %*		*17 - 123*		B7L0518	12/18/2017	*12/18/17 23:41*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID CBT

Lab ID: 1704380-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,1-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,1-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID CBT

Lab ID: 1704380-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 14:34	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 14:34	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Tetrachloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Trichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:34	
Surrogate: 1,2-Dichloroethane-d4	*95.8 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 14:34*	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 14:34*	
Surrogate: Dibromofluoromethane	*94.2 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 14:34*	
Surrogate: Toluene-d8	*96.7 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 14:34*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID CBT

Lab ID: 1704380-03

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B7L0518	12/18/2017	12/19/17 15:06	
Surrogate: 1,2-Dichlorobenzene-d4	*75.0 %*		*32 - 99*		B7L0518	12/18/2017	*12/19/17 15:06*	
Surrogate: 2-Fluorobiphenyl	*80.6 %*		*29 - 105*		B7L0518	12/18/2017	*12/19/17 15:06*	
Surrogate: 4-Terphenyl-d14	*74.9 %*		*32 - 119*		B7L0518	12/18/2017	*12/19/17 15:06*	
Surrogate: Nitrobenzene-d5	*91.8 %*		*17 - 123*		B7L0518	12/18/2017	*12/19/17 15:06*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID POX

Lab ID: 1704380-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,1-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,1-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID POX

Lab ID: 1704380-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 14:57	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 14:57	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Tetrachloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Trichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 14:57	
Surrogate: 1,2-Dichloroethane-d4	*95.3 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 14:57*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 14:57*	
Surrogate: Dibromofluoromethane	*95.8 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 14:57*	
Surrogate: Toluene-d8	*97.9 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 14:57*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID POX

Lab ID: 1704380-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B7L0518	12/18/2017	12/19/17 00:41	
Surrogate: 1,2-Dichlorobenzene-d4	*88.4 %*		*32 - 99*		B7L0518	12/18/2017	*12/19/17 00:41*	
Surrogate: 2-Fluorobiphenyl	*95.7 %*		*29 - 105*		B7L0518	12/18/2017	*12/19/17 00:41*	
Surrogate: 4-Terphenyl-d14	*75.0 %*		*32 - 119*		B7L0518	12/18/2017	*12/19/17 00:41*	
Surrogate: Nitrobenzene-d5	*117 %*		*17 - 123*		B7L0518	12/18/2017	*12/19/17 00:41*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID INF

Lab ID: 1704380-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,1-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,1-Dichloroethene	**24**	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID INF

Lab ID: 1704380-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 15:21	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 15:21	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Tetrachloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Trichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:21	
Surrogate: 1,2-Dichloroethane-d4	*95.2 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 15:21*	
Surrogate: 4-Bromofluorobenzene	*90.0 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 15:21*	
Surrogate: Dibromofluoromethane	*98.3 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 15:21*	
Surrogate: Toluene-d8	*100 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 15:21*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID INF

Lab ID: 1704380-05

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**10**	2.0	1	B7L0552	12/19/2017	12/19/17 14:30	
Surrogate: 1,2-Dichlorobenzene-d4	*72.3 %*		*17 - 101*		B7L0552	12/19/2017	*12/19/17 14:30*	
Surrogate: 2-Fluorobiphenyl	*85.3 %*		*29 - 109*		B7L0552	12/19/2017	*12/19/17 14:30*	
Surrogate: 4-Terphenyl-d14	*104 %*		*49 - 122*		B7L0552	12/19/2017	*12/19/17 14:30*	
Surrogate: Nitrobenzene-d5	*72.4 %*		*19 - 111*		B7L0552	12/19/2017	*12/19/17 14:30*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID EW-02

Lab ID: 1704380-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,1-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,1-Dichloroethene	**5.8**	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID EW-02

Lab ID: 1704380-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 15:44	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 15:44	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Tetrachloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Trichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 15:44	
Surrogate: 1,2-Dichloroethane-d4	*96.2 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 15:44*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 15:44*	
Surrogate: Dibromofluoromethane	*97.2 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 15:44*	
Surrogate: Toluene-d8	*97.9 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 15:44*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID EW-02

Lab ID: 1704380-06

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	2.0	1	B7L0552	12/19/2017	12/19/17 15:05	
Surrogate: 1,2-Dichlorobenzene-d4	*73.2 %*		*17 - 101*		B7L0552	12/19/2017	*12/19/17 15:05*	
Surrogate: 2-Fluorobiphenyl	*86.4 %*		*29 - 109*		B7L0552	12/19/2017	*12/19/17 15:05*	
Surrogate: 4-Terphenyl-d14	*106 %*		*49 - 122*		B7L0552	12/19/2017	*12/19/17 15:05*	
Surrogate: Nitrobenzene-d5	*72.1 %*		*19 - 111*		B7L0552	12/19/2017	*12/19/17 15:05*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID MW-29

Lab ID: 1704380-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,1,1-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,1,2-Trichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,1-Dichloroethane	**1.0**	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,1-Dichloroethene	**99**	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,1-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2,3-Trichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2,3-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2,4-Trichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2,4-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2-Dibromoethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2-Dichloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,3,5-Trimethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,3-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,3-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
1,4-Dichlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
2,2-Dichloropropane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
2-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
4-Chlorotoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
4-Isopropyltoluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Benzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Bromobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Bromodichloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Bromoform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Bromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Carbon tetrachloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Chlorobenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Chloroethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Chloroform	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Chloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
cis-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
cis-1,3-Dichloropropene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Dibromochloromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID MW-29

Lab ID: 1704380-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Dichlorodifluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Ethylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Hexachlorobutadiene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Isopropylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
m,p-Xylene	ND	1.0	1	B7L0512	12/18/2017	12/18/17 16:07	
Methylene chloride	ND	1.0	1	B7L0512	12/18/2017	12/18/17 16:07	
n-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
n-Propylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Naphthalene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
o-Xylene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
sec-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Styrene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
tert-Butylbenzene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Tetrachloroethene	**0.60**	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Toluene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
trans-1,2-Dichloroethene	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Trichloroethene	**0.99**	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Trichlorofluoromethane	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Vinyl chloride	ND	0.50	1	B7L0512	12/18/2017	12/18/17 16:07	
Surrogate: 1,2-Dichloroethane-d4	*94.9 %*	*70 - 166*		B7L0512	12/18/2017	*12/18/17 16:07*	
Surrogate: 4-Bromofluorobenzene	*93.0 %*	*88 - 120*		B7L0512	12/18/2017	*12/18/17 16:07*	
Surrogate: Dibromofluoromethane	*95.6 %*	*80 - 150*		B7L0512	12/18/2017	*12/18/17 16:07*	
Surrogate: Toluene-d8	*98.0 %*	*87 - 121*		B7L0512	12/18/2017	*12/18/17 16:07*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Client Sample ID MW-29

Lab ID: 1704380-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**53**	2.0	1	B7L0552	12/19/2017	12/19/17 15:39	
Surrogate: 1,2-Dichlorobenzene-d4	*73.9 %*		*17 - 101*		B7L0552	12/19/2017	*12/19/17 15:39*	
Surrogate: 2-Fluorobiphenyl	*87.0 %*		*29 - 109*		B7L0552	12/19/2017	*12/19/17 15:39*	
Surrogate: 4-Terphenyl-d14	*108 %*		*49 - 122*		B7L0552	12/19/2017	*12/19/17 15:39*	
Surrogate: Nitrobenzene-d5	*73.8 %*		*19 - 111*		B7L0552	12/19/2017	*12/19/17 15:39*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0512 - MSVOA_W										
Blank (B7L0512-BLK1)					Prepared: 12/18/2017 Analyzed: 12/18/2017					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0512 - MSVOA_W (continued)										
Blank (B7L0512-BLK1) - Continued					Prepared: 12/18/2017 Analyzed: 12/18/2017					
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*24.13*			*25.0000*		*96.5*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.09*			*25.0000*		*96.4*	*88 - 120*			
Surrogate: Dibromofluoromethan	*24.51*			*25.0000*		*98.0*	*80 - 150*			
Surrogate: Toluene-d8	*24.40*			*25.0000*		*97.6*	*87 - 121*			
LCS (B7L0512-BS1)					Prepared: 12/18/2017 Analyzed: 12/18/2017					
1,1,1,2-Tetrachloroethane	10.8400	0.50	0.13	10.0000		108	73 - 136			
1,1,1-Trichloroethane	10.2800	0.50	0.38	10.0000		103	73 - 143			
1,1,2,2-Tetrachloroethane	8.05000	0.50	0.20	10.0000		80.5	62 - 127			
1,1,2-Trichloroethane	9.14000	0.50	0.19	10.0000		91.4	72 - 122			
1,1-Dichloroethane	8.75000	0.50	0.20	10.0000		87.5	73 - 138			
1,1-Dichloroethene	9.35000	0.50	0.28	10.0000		93.5	74 - 132			
1,1-Dichloropropene	10.3100	0.50	0.36	10.0000		103	70 - 143			
1,2,3-Trichloropropane	8.05000	0.50	0.16	10.0000		80.5	66 - 119			
1,2,3-Trichlorobenzene	9.85000	0.50	0.06	10.0000		98.5	70 - 131			
1,2,4-Trichlorobenzene	9.69000	0.50	0.07	10.0000		96.9	70 - 128			
1,2,4-Trimethylbenzene	9.63000	0.50	0.09	10.0000		96.3	74 - 142			
1,2-Dibromo-3-chloropropane	8.74000	0.50	0.20	10.0000		87.4	56 - 118			
1,2-Dibromoethane	9.10000	0.50	0.13	10.0000		91.0	73 - 122			
1,2-Dichlorobenzene	9.59000	0.50	0.12	10.0000		95.9	75 - 128			
1,2-Dichloroethane	9.35000	0.50	0.39	10.0000		93.5	70 - 131			
1,2-Dichloropropane	8.56000	0.50	0.47	10.0000		85.6	69 - 124			
1,3,5-Trimethylbenzene	9.53000	0.50	0.08	10.0000		95.3	73 - 144			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0512 - MSVOA_W (continued)										
LCS (B7L0512-BS1) - Continued					Prepared: 12/18/2017 Analyzed: 12/18/2017					
1,3-Dichlorobenzene	10.0500	0.50	0.13	10.0000		100	75 - 131			
1,3-Dichloropropane	8.71000	0.50	0.08	10.0000		87.1	70 - 122			
1,4-Dichlorobenzene	9.76000	0.50	0.18	10.0000		97.6	75 - 127			
2,2-Dichloropropane	11.0900	0.50	0.23	10.0000		111	68 - 151			
2-Chlorotoluene	9.15000	0.50	0.12	10.0000		91.5	72 - 138			
4-Chlorotoluene	9.11000	0.50	0.11	10.0000		91.1	72 - 140			
4-Isopropyltoluene	9.93000	0.50	0.12	10.0000		99.3	74 - 149			
Benzene	18.6900	0.50	0.21	20.0000		93.4	67 - 138			
Bromobenzene	9.78000	0.50	0.12	10.0000		97.8	73 - 127			
Bromodichloromethane	9.71000	0.50	0.32	10.0000		97.1	74 - 129			
Bromoform	11.2800	0.50	0.14	10.0000		113	63 - 131			
Bromomethane	14.0800	0.50	0.22	10.0000		141	57 - 216			
Carbon tetrachloride	12.3400	0.50	0.31	10.0000		123	77 - 151			
Chlorobenzene	9.99000	0.50	0.16	10.0000		99.9	73 - 125			
Chloroethane	13.9400	0.50	0.29	10.0000		139	54 - 154			
Chloroform	9.63000	0.50	0.16	10.0000		96.3	77 - 132			
Chloromethane	9.15000	0.50	0.19	10.0000		91.5	57 - 142			
cis-1,2-Dichloroethene	8.81000	0.50	0.39	10.0000		88.1	73 - 126			
cis-1,3-Dichloropropene	9.26000	0.50	0.08	10.0000		92.6	76 - 120			
Dibromochloromethane	10.2900	0.50	0.11	10.0000		103	71 - 126			
Dibromomethane	8.94000	0.50	0.09	10.0000		89.4	73 - 121			
Dichlorodifluoromethane	9.42000	0.50	0.31	10.0000		94.2	48 - 152			
Ethylbenzene	19.8000	0.50	0.08	20.0000		99.0	72 - 134			
Hexachlorobutadiene	10.5800	0.50	0.22	10.0000		106	72 - 139			
Isopropylbenzene	9.37000	0.50	0.10	10.0000		93.7	73 - 146			
m,p-Xylene	19.5700	1.0	0.18	20.0000		97.8	75 - 138			
Methylene chloride	8.98000	1.0	0.26	10.0000		89.8	52 - 154			
n-Butylbenzene	9.50000	0.50	0.15	10.0000		95.0	72 - 151			
n-Propylbenzene	9.25000	0.50	0.14	10.0000		92.5	69 - 149			
Naphthalene	8.32000	0.50	0.09	10.0000		83.2	61 - 122			
o-Xylene	19.1900	0.50	0.04	20.0000		96.0	66 - 147			
sec-Butylbenzene	9.59000	0.50	0.15	10.0000		95.9	72 - 148			
Styrene	9.83000	0.50	0.05	10.0000		98.3	72 - 138			
tert-Butylbenzene	9.46000	0.50	0.11	10.0000		94.6	70 - 145			
Tetrachloroethene	11.0700	0.50	0.18	10.0000		111	61 - 145			
Toluene	19.4400	0.50	0.14	20.0000		97.2	70 - 140			
trans-1,2-Dichloroethene	9.91000	0.50	0.15	10.0000		99.1	73 - 130			
Trichloroethene	9.79000	0.50	0.15	10.0000		97.9	69 - 126			
Trichlorofluoromethane	11.7800	0.50	0.33	10.0000		118	70 - 159			
Vinyl chloride	10.0800	0.50	0.25	10.0000		101	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*23.53*			*25.0000*		*94.1*	*70 - 166*			

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San Diego , CA 92122	Reported : 12/22/2017

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0512 - MSVOA_W (continued)										
LCS (B7L0512-BS1) - Continued					Prepared: 12/18/2017 Analyzed: 12/18/2017					
Surrogate: 4-Bromofluorobenzene	*24.11*			*25.0000*		*96.4*	*88 - 120*			
Surrogate: Dibromofluoromethan	*24.04*			*25.0000*		*96.2*	*80 - 150*			
Surrogate: Toluene-d8	*23.81*			*25.0000*		*95.2*	*87 - 121*			
LCS Dup (B7L0512-BSD1)					Prepared: 12/18/2017 Analyzed: 12/18/2017					
1,1,1,2-Tetrachloroethane	10.7000	0.50	0.13	10.0000		107	73 - 136	1.30	20	
1,1,1-Trichloroethane	9.69000	0.50	0.38	10.0000		96.9	73 - 143	5.91	20	
1,1,2,2-Tetrachloroethane	8.48000	0.50	0.20	10.0000		84.8	62 - 127	5.20	20	
1,1,2-Trichloroethane	9.20000	0.50	0.19	10.0000		92.0	72 - 122	0.654	20	
1,1-Dichloroethane	8.09000	0.50	0.20	10.0000		80.9	73 - 138	7.84	20	
1,1-Dichloroethene	9.69000	0.50	0.28	10.0000		96.9	74 - 132	3.57	20	
1,1-Dichloropropene	10.9900	0.50	0.36	10.0000		110	70 - 143	6.38	20	
1,2,3-Trichloropropane	8.27000	0.50	0.16	10.0000		82.7	66 - 119	2.70	20	
1,2,3-Trichlorobenzene	9.74000	0.50	0.06	10.0000		97.4	70 - 131	1.12	20	
1,2,4-Trichlorobenzene	9.77000	0.50	0.07	10.0000		97.7	70 - 128	0.822	20	
1,2,4-Trimethylbenzene	9.47000	0.50	0.09	10.0000		94.7	74 - 142	1.68	20	
1,2-Dibromo-3-chloropropane	8.52000	0.50	0.20	10.0000		85.2	56 - 118	2.55	20	
1,2-Dibromoethane	9.22000	0.50	0.13	10.0000		92.2	73 - 122	1.31	20	
1,2-Dichlorobenzene	9.91000	0.50	0.12	10.0000		99.1	75 - 128	3.28	20	
1,2-Dichloroethane	9.14000	0.50	0.39	10.0000		91.4	70 - 131	2.27	20	
1,2-Dichloropropane	8.31000	0.50	0.47	10.0000		83.1	69 - 124	2.96	20	
1,3,5-Trimethylbenzene	9.35000	0.50	0.08	10.0000		93.5	73 - 144	1.91	20	
1,3-Dichlorobenzene	10.1600	0.50	0.13	10.0000		102	75 - 131	1.09	20	
1,3-Dichloropropane	8.46000	0.50	0.08	10.0000		84.6	70 - 122	2.91	20	
1,4-Dichlorobenzene	9.54000	0.50	0.18	10.0000		95.4	75 - 127	2.28	20	
2,2-Dichloropropane	10.5900	0.50	0.23	10.0000		106	68 - 151	4.61	20	
2-Chlorotoluene	8.97000	0.50	0.12	10.0000		89.7	72 - 138	1.99	20	
4-Chlorotoluene	8.87000	0.50	0.11	10.0000		88.7	72 - 140	2.67	20	
4-Isopropyltoluene	9.63000	0.50	0.12	10.0000		96.3	74 - 149	3.07	20	
Benzene	18.6800	0.50	0.21	20.0000		93.4	67 - 138	0.0535	20	
Bromobenzene	10.0700	0.50	0.12	10.0000		101	73 - 127	2.92	20	
Bromodichloromethane	9.60000	0.50	0.32	10.0000		96.0	74 - 129	1.14	20	
Bromoform	11.4700	0.50	0.14	10.0000		115	63 - 131	1.67	20	
Bromomethane	11.8800	0.50	0.22	10.0000		119	57 - 216	16.9	20	
Carbon tetrachloride	12.4500	0.50	0.31	10.0000		124	77 - 151	0.887	20	
Chlorobenzene	9.76000	0.50	0.16	10.0000		97.6	73 - 125	2.33	20	
Chloroethane	13.2700	0.50	0.29	10.0000		133	54 - 154	4.92	20	
Chloroform	9.04000	0.50	0.16	10.0000		90.4	77 - 132	6.32	20	
Chloromethane	8.42000	0.50	0.19	10.0000		84.2	57 - 142	8.31	20	
cis-1,2-Dichloroethene	8.49000	0.50	0.39	10.0000		84.9	73 - 126	3.70	20	
cis-1,3-Dichloropropene	8.88000	0.50	0.08	10.0000		88.8	76 - 120	4.19	20	
Dibromochloromethane	10.5500	0.50	0.11	10.0000		106	71 - 126	2.50	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0512 - MSVOA_W (continued)										
LCS Dup (B7L0512-BSD1) - Continued					Prepared: 12/18/2017 Analyzed: 12/18/2017					
Dibromomethane	9.21000	0.50	0.09	10.0000		92.1	73 - 121	2.98	20	
Dichlorodifluoromethane	9.21000	0.50	0.31	10.0000		92.1	48 - 152	2.25	20	
Ethylbenzene	19.4600	0.50	0.08	20.0000		97.3	72 - 134	1.73	20	
Hexachlorobutadiene	10.5500	0.50	0.22	10.0000		106	72 - 139	0.284	20	
Isopropylbenzene	9.29000	0.50	0.10	10.0000		92.9	73 - 146	0.857	20	
m,p-Xylene	19.2600	1.0	0.18	20.0000		96.3	75 - 138	1.60	20	
Methylene chloride	9.87000	1.0	0.26	10.0000		98.7	52 - 154	9.44	20	
n-Butylbenzene	9.46000	0.50	0.15	10.0000		94.6	72 - 151	0.422	20	
n-Propylbenzene	9.22000	0.50	0.14	10.0000		92.2	69 - 149	0.325	20	
Naphthalene	8.47000	0.50	0.09	10.0000		84.7	61 - 122	1.79	20	
o-Xylene	18.9200	0.50	0.04	20.0000		94.6	66 - 147	1.42	20	
sec-Butylbenzene	9.50000	0.50	0.15	10.0000		95.0	72 - 148	0.943	20	
Styrene	9.78000	0.50	0.05	10.0000		97.8	72 - 138	0.510	20	
tert-Butylbenzene	9.51000	0.50	0.11	10.0000		95.1	70 - 145	0.527	20	
Tetrachloroethene	10.7000	0.50	0.18	10.0000		107	61 - 145	3.40	20	
Toluene	19.0400	0.50	0.14	20.0000		95.2	70 - 140	2.08	20	
trans-1,2-Dichloroethene	8.91000	0.50	0.15	10.0000		89.1	73 - 130	10.6	20	
Trichloroethene	9.97000	0.50	0.15	10.0000		99.7	69 - 126	1.82	20	
Trichlorofluoromethane	11.1700	0.50	0.33	10.0000		112	70 - 159	5.32	20	
Vinyl chloride	9.56000	0.50	0.25	10.0000		95.6	56 - 151	5.30	20	
Surrogate: 1,2-Dichloroethane-d4	*22.80*			*25.0000*		*91.2*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*22.99*			*25.0000*		*92.0*	*88 - 120*			
Surrogate: Dibromofluoromethan	*23.63*			*25.0000*		*94.5*	*80 - 150*			
Surrogate: Toluene-d8	*23.60*			*25.0000*		*94.4*	*87 - 121*			

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0552 - MSSEMI_W										
Blank (B7L0552-BLK1)						Prepared: 12/19/2017 Analyzed: 12/19/2017				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*64.98*			*100.000*		*65.0*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*78.58*			*100.000*		*78.6*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*101.5*			*100.000*		*102*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*65.33*			*100.000*		*65.3*	*19 - 111*			
LCS (B7L0552-BS1)						Prepared: 12/19/2017 Analyzed: 12/19/2017				
1,4-Dioxane	88.4200	2.0	0.84	100.000		88.4	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*65.94*			*100.000*		*65.9*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*86.91*			*100.000*		*86.9*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*84.30*			*100.000*		*84.3*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*70.16*			*100.000*		*70.2*	*19 - 111*			
LCS Dup (B7L0552-BSD1)						Prepared: 12/19/2017 Analyzed: 12/19/2017				
1,4-Dioxane	96.7200	2.0	0.84	100.000		96.7	85 - 121	8.97	20	
Surrogate: 1,2-Dichlorobenzene-d	*67.38*			*100.000*		*67.4*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*89.26*			*100.000*		*89.3*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*86.51*			*100.000*		*86.5*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*71.97*			*100.000*		*72.0*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 12/22/2017

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B7L0518 - MSSEMI_W										
Blank (B7L0518-BLK1)					Prepared: 12/18/2017 Analyzed: 12/19/2017					
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.8095*			*1.00000*		*81.0*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8373*			*1.00000*		*83.7*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.6797*			*1.00000*		*68.0*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.9946*			*1.00000*		*99.5*	*17 - 123*			
LCS (B7L0518-BS1)					Prepared: 12/18/2017 Analyzed: 12/18/2017					
1,4-Dioxane	0.812380	0.20	0.11	1.00000		81.2	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8157*			*1.00000*		*81.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8702*			*1.00000*		*87.0*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8533*			*1.00000*		*85.3*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*1.030*			*1.00000*		*103*	*17 - 123*			
LCS Dup (B7L0518-BSD1)					Prepared: 12/18/2017 Analyzed: 12/18/2017					
1,4-Dioxane	0.983960	0.20	0.11	1.00000		98.4	61 - 166	19.1	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.8178*			*1.00000*		*81.8*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8733*			*1.00000*		*87.3*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.9026*			*1.00000*		*90.3*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*1.044*			*1.00000*		*104*	*17 - 123*			

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Hargis & Associates, Inc.		Project Number :	Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	12/22/2017

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 12/14/2017
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PROJECT: Raytheon Main GETS Mid Month Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Steve Stewart

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Nitric Acid (HNO_3)	PRESERVATION: Sulfuric Acid (H_2SO_4)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 125 mL Poly	CONTAINERS: 250 mL Poly	CONTAINERS: 250 mL Glass	CONTAINERS: 1 L Poly	CONTAINERS: 1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	Bromate by EPA 317	Bromide by EPA 300	Alkalinity by SM2320B	Total Organic Carbon by SM5310B	Total Suspended Solids by SM2540D	UV Absorption EPA 415.3 @254 nm	1,4-Dioxane by EPA 8270C MOD	1,4-Dioxane by EPA 8270C SIM	Expected Concentration Range (ppb) for: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1704380-01	TB-121417	12/14/2017	8:00		X	X			X	2						X								X						X			
-02	CEFF	12/14/2017	13:20	X		X			X	3					1	X								X	X					X			
-03	CBT	12/14/2017	13:30	X		X			X	3					1	X								X	X					X			
-04	POX	12/14/2017	13:40	X		X			X	3					1	X								X	X					X			
-05	INF	12/14/2017	13:50	X		X			X	3					1	X							X				X			X			
-06	EW-02	12/14/2017	14:20	X		X			X	3					1	X							X			X				X			
-07	MW-29	12/14/2017	14:35	X		X			X	3					1	X							X				X			X			
Total number of containers per analysis:										20					6																		Total No. of Containers: 26

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
Steve Stewart H+A	12/14/17 15:00	WPI	12/14/17 1500
Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
WPI	12/14/17 1606	Fedex	12/14/17 1606

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

0.8 °C Temperature on receipt

Laboratory
Adcanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions
1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or x
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

January 23, 2018

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1800028
Client Reference : Raytheon Main GETS Monthly Sample, 532.15

Enclosed are the results for sample(s) received on January 04, 2018 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-010418	1800028-01	Lab prepared water	1/04/18 7:00	1/04/18 16:25
CEFF	1800028-02	Groundwater	1/04/18 14:00	1/04/18 16:25
CBT	1800028-03	Groundwater	1/04/18 14:05	1/04/18 16:25
POX	1800028-04	Groundwater	1/04/18 14:10	1/04/18 16:25
PF	1800028-05	Groundwater	1/04/18 14:15	1/04/18 16:25
INF	1800028-06	Groundwater	1/04/18 14:20	1/04/18 16:25
EW-02	1800028-07	Groundwater	1/04/18 15:00	1/04/18 16:25
MW-29	1800028-08	Groundwater	1/04/18 15:30	1/04/18 16:25

CASE NARRATIVE

The samples for Bromate by IC-MS/MS analysis were subcontracted to Exova, Inc. with ELAP Cert.# 2652.

Sample Receiving/General Comments:

The following analytes lists were taken from sample containers: Alkalinity - Hydroxide, Bicarbonate, Carbonate, and Total.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID TB-010418

Lab ID: 1800028-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,1-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,1-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID TB-010418

Lab ID: 1800028-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 14:22	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 14:22	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Trichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:22	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 14:22*	
Surrogate: 4-Bromofluorobenzene	*88.9 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 14:22*	
Surrogate: Dibromofluoromethane	*127 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 14:22*	
Surrogate: Toluene-d8	*94.6 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 14:22*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID CEFF

Lab ID: 1800028-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,1-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,1-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID CEFF

Lab ID: 1800028-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 14:47	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 14:47	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Trichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 14:47	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 14:47*	
Surrogate: 4-Bromofluorobenzene	*91.1 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 14:47*	
Surrogate: Dibromofluoromethane	*133 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 14:47*	
Surrogate: Toluene-d8	*96.2 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 14:47*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID CEFF

Lab ID: 1800028-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8A0120	01/08/2018	01/09/18 14:52	
Surrogate: 1,2-Dichlorobenzene-d4	*46.8 %*		*32 - 99*		B8A0120	01/08/2018	*01/09/18 14:52*	
Surrogate: 2-Fluorobiphenyl	*50.1 %*		*29 - 105*		B8A0120	01/08/2018	*01/09/18 14:52*	
Surrogate: 4-Terphenyl-d14	*52.5 %*		*32 - 119*		B8A0120	01/08/2018	*01/09/18 14:52*	
Surrogate: Nitrobenzene-d5	*37.0 %*		*17 - 123*		B8A0120	01/08/2018	*01/09/18 14:52*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID CBT

Lab ID: 1800028-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,1-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,1-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID CBT

Lab ID: 1800028-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 15:11	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 15:11	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Trichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:11	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 15:11*	
Surrogate: 4-Bromofluorobenzene	*89.2 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 15:11*	
Surrogate: Dibromofluoromethane	*126 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 15:11*	
Surrogate: Toluene-d8	*96.9 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 15:11*	

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Client Sample ID CBT

Lab ID: 1800028-03

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8A0120	01/08/2018	01/09/18 15:24	
Surrogate: 1,2-Dichlorobenzene-d4	*36.7 %*		*32 - 99*		B8A0120	01/08/2018	*01/09/18 15:24*	
Surrogate: 2-Fluorobiphenyl	*38.4 %*		*29 - 105*		B8A0120	01/08/2018	*01/09/18 15:24*	
Surrogate: 4-Terphenyl-d14	*48.8 %*		*32 - 119*		B8A0120	01/08/2018	*01/09/18 15:24*	
Surrogate: Nitrobenzene-d5	*28.5 %*		*17 - 123*		B8A0120	01/08/2018	*01/09/18 15:24*	

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Client Sample ID POX

Lab ID: 1800028-04

Alkalinity, Speciated by SM 2320B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B8A0165	01/08/2018	01/08/18 11:49	

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,1-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,1-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	

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Lab ID: 1800028-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 15:36	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 15:36	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Trichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 15:36	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 15:36*	
Surrogate: 4-Bromofluorobenzene	*91.5 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 15:36*	

Certificate of Analysis

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San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID POX

Lab ID: 1800028-04

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*131 %*		*80 - 150*		B8A0094	01/05/2018	*01/05/18 15:36*	
Surrogate: Toluene-d8	*100 %*		*87 - 121*		B8A0094	01/05/2018	*01/05/18 15:36*	

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique — **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8A0120	01/08/2018	01/09/18 15:54	
Surrogate: 1,2-Dichlorobenzene-d4	*41.0 %*		*32 - 99*		B8A0120	01/08/2018	*01/09/18 15:54*	
Surrogate: 2-Fluorobiphenyl	*44.4 %*		*29 - 105*		B8A0120	01/08/2018	*01/09/18 15:54*	
Surrogate: 4-Terphenyl-d14	*52.7 %*		*32 - 119*		B8A0120	01/08/2018	*01/09/18 15:54*	
Surrogate: Nitrobenzene-d5	*30.6 %*		*17 - 123*		B8A0120	01/08/2018	*01/09/18 15:54*	

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San Diego , CA 92122		Reported :	01/23/2018

Client Sample ID PF

Lab ID: 1800028-05

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B8A0086	01/04/2018	01/04/18 18:03	

Alkalinity, Speciated by SM 2320B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B8A0230	01/11/2018	01/11/18 12:55	

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Suspended	ND	1.0	1	B8A0128	01/08/2018	01/09/18 08:12	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B8A0165	01/08/2018	01/08/18 12:09	

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Lab ID: 1800028-06

Bromide by Ion Chromatography EPA 300 — **Analyst: JL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.23**	0.10	2	B8A0134	01/08/2018	01/08/18 11:24	

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,1-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,1-Dichloroethene	**30**	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	

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Lab ID: 1800028-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 16:00	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 16:00	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Trichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:00	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 16:00*	
Surrogate: 4-Bromofluorobenzene	*90.0 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 16:00*	
Surrogate: Dibromofluoromethane	*128 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 16:00*	
Surrogate: Toluene-d8	*99.4 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 16:00*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID INF

Lab ID: 1800028-06

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**7.2**	2.0	1	B8A0166	01/09/2018	01/09/18 18:04	
Surrogate: 1,2-Dichlorobenzene-d4	*65.3 %*		*17 - 101*		B8A0166	01/09/2018	*01/09/18 18:04*	
Surrogate: 2-Fluorobiphenyl	*70.6 %*		*29 - 109*		B8A0166	01/09/2018	*01/09/18 18:04*	
Surrogate: 4-Terphenyl-d14	*93.7 %*		*49 - 122*		B8A0166	01/09/2018	*01/09/18 18:04*	
Surrogate: Nitrobenzene-d5	*75.9 %*		*19 - 111*		B8A0166	01/09/2018	*01/09/18 18:04*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID EW-02

Lab ID: 1800028-07

Bromide by Ion Chromatography EPA 300 — **Analyst: JL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.20**	0.10	2	B8A0134	01/08/2018	01/08/18 11:35	

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,1-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,1-Dichloroethene	**8.8**	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID EW-02

Lab ID: 1800028-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 16:25	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 16:25	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Trichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:25	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 16:25*	
Surrogate: 4-Bromofluorobenzene	*91.0 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 16:25*	
Surrogate: Dibromofluoromethane	*131 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 16:25*	
Surrogate: Toluene-d8	*99.8 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 16:25*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID EW-02

Lab ID: 1800028-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	2.0	1	B8A0166	01/09/2018	01/09/18 18:38	
Surrogate: 1,2-Dichlorobenzene-d4	*64.7 %*		*17 - 101*		B8A0166	01/09/2018	*01/09/18 18:38*	
Surrogate: 2-Fluorobiphenyl	*73.0 %*		*29 - 109*		B8A0166	01/09/2018	*01/09/18 18:38*	
Surrogate: 4-Terphenyl-d14	*89.7 %*		*49 - 122*		B8A0166	01/09/2018	*01/09/18 18:38*	
Surrogate: Nitrobenzene-d5	*77.9 %*		*19 - 111*		B8A0166	01/09/2018	*01/09/18 18:38*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID MW-29

Lab ID: 1800028-08

Bromide by Ion Chromatography EPA 300 — **Analyst: JL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.32**	0.10	2	B8A0134	01/08/2018	01/08/18 11:46	

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,1,1-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,1,2-Trichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,1-Dichloroethane	**1.5**	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,1-Dichloroethene	**140**	5.0	10	B8A0094	01/05/2018	01/05/18 17:14	
1,1-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2,3-Trichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2-Dibromoethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2-Dichloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,3-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,3-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
1,4-Dichlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
2,2-Dichloropropane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
2-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
4-Chlorotoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
4-Isopropyltoluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Benzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Bromobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Bromodichloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Bromoform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Bromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Carbon tetrachloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Chlorobenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID MW-29

Lab ID: 1800028-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Chloroform	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Chloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Dibromochloromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Dibromomethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Dichlorodifluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Ethylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Hexachlorobutadiene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Isopropylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
m,p-Xylene	ND	1.0	1	B8A0094	01/05/2018	01/05/18 16:50	
Methylene chloride	ND	1.0	1	B8A0094	01/05/2018	01/05/18 16:50	
n-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
n-Propylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Naphthalene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
o-Xylene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
sec-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Styrene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
tert-Butylbenzene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Tetrachloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Toluene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Trichloroethene	**0.88**	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Trichlorofluoromethane	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Vinyl chloride	ND	0.50	1	B8A0094	01/05/2018	01/05/18 16:50	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 17:14*	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*70 - 166*		B8A0094	01/05/2018	*01/05/18 16:50*	
Surrogate: 4-Bromofluorobenzene	*90.3 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 17:14*	
Surrogate: 4-Bromofluorobenzene	*92.2 %*	*88 - 120*		B8A0094	01/05/2018	*01/05/18 16:50*	
Surrogate: Dibromofluoromethane	*129 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 17:14*	
Surrogate: Dibromofluoromethane	*132 %*	*80 - 150*		B8A0094	01/05/2018	*01/05/18 16:50*	
Surrogate: Toluene-d8	*98.4 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 17:14*	
Surrogate: Toluene-d8	*102 %*	*87 - 121*		B8A0094	01/05/2018	*01/05/18 16:50*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Client Sample ID MW-29

Lab ID: 1800028-08

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**32**	2.0	1	B8A0166	01/09/2018	01/09/18 19:12	
Surrogate: 1,2-Dichlorobenzene-d4	*71.6 %*		*17 - 101*		B8A0166	01/09/2018	*01/09/18 19:12*	
Surrogate: 2-Fluorobiphenyl	*75.8 %*		*29 - 109*		B8A0166	01/09/2018	*01/09/18 19:12*	
Surrogate: 4-Terphenyl-d14	*95.8 %*		*49 - 122*		B8A0166	01/09/2018	*01/09/18 19:12*	
Surrogate: Nitrobenzene-d5	*81.9 %*		*19 - 111*		B8A0166	01/09/2018	*01/09/18 19:12*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

QUALITY CONTROL SECTION

Alkalinity, Speciated by SM 2320B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0230 - No_Prep_WC1_W										
Blank (B8A0230-BLK1)					Prepared: 1/11/2018 Analyzed: 1/11/2018					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1.6							
Alkalinity, Total (as CaCO3)	ND	5.0	1.6							
Blank (B8A0230-BLK2)					Prepared: 1/11/2018 Analyzed: 1/11/2018					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1.6							
Alkalinity, Total (as CaCO3)	ND	5.0	1.6							
Blank (B8A0230-BLK3)					Prepared: 1/11/2018 Analyzed: 1/11/2018					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1.6							
Alkalinity, Total (as CaCO3)	ND	5.0	1.6							
LCS (B8A0230-BS1)					Prepared: 1/11/2018 Analyzed: 1/11/2018					
Alkalinity, Total (as CaCO3)	100.620	5.0	1.6	99.9580		101	80 - 120			
Matrix Spike (B8A0230-MS1)			**Source: 1800028-04**		Prepared: 1/11/2018 Analyzed: 1/11/2018					
Alkalinity, Total (as CaCO3)	306.020	5.0	1.6	99.9580	206.430	99.6	80 - 120			
Matrix Spike Dup (B8A0230-MSD1)			**Source: 1800028-04**		Prepared: 1/11/2018 Analyzed: 1/11/2018					
Alkalinity, Total (as CaCO3)	306.020	5.0	1.6	99.9580	206.430	99.6	80 - 120	0.00	20	

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Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0128 - No_Prep_WC1_W										
Blank (B8A0128-BLK1)					Prepared: 1/8/2018 Analyzed: 1/9/2018					
Residue, Suspended	ND	1.0	1.0							
LCS (B8A0128-BS1)					Prepared: 1/8/2018 Analyzed: 1/9/2018					
Residue, Suspended	78.0000	10	10	93.9000		83.1	80 - 120			
Duplicate (B8A0128-DUP1)			**Source: 1800055-01**		Prepared: 1/8/2018 Analyzed: 1/9/2018					
Residue, Suspended	20.3333	3.3	3.3		19.3333			5.04	10	

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Bromide by Ion Chromatography EPA 300 - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0134 - No_Prep_IC1_W										
Blank (B8A0134-BLK1)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Bromide	ND	0.05	0.02							
Blank (B8A0134-BLK2)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Bromide	ND	0.05	0.02							
LCS (B8A0134-BS1)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Bromide	0.992200	0.05	0.02	1.00000		99.2	90 - 110			
Duplicate (B8A0134-DUP1)			**Source: 1800007-01**		Prepared: 1/8/2018 Analyzed: 1/8/2018					
Bromide	1.54200	1.0	0.34		1.61800			4.81	20	
Matrix Spike (B8A0134-MS1)			**Source: 1800007-01**		Prepared: 1/8/2018 Analyzed: 1/8/2018					
Bromide	2.69680			2.50000	0.0809	105	80 - 120			
Matrix Spike Dup (B8A0134-MSD1)			**Source: 1800007-01**		Prepared: 1/8/2018 Analyzed: 1/8/2018					
Bromide	2.72750			2.50000	0.0809	106	80 - 120	1.13	20	

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UV Absorption by EPA 415.3 - Quality Control

Analyte	Result (1/cm)	PQL (1/cm)	MDL (1/cm)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0086 - No_Prep_II_W										
Duplicate (B8A0086-DUP1)			**Source: 1800028-05**		Prepared: 1/4/2018 Analyzed: 1/4/2018					
UV Absorption	ND	0.01	0.01		ND			NR	20	

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Total Organic Carbon by SM 5310B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0165 - No_Prep_II_W										
Blank (B8A0165-BLK1)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Organic Carbon, Total	ND	3.0	1.8							
Blank (B8A0165-BLK2)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Organic Carbon, Total	ND	3.0	1.8							
LCS (B8A0165-BS1)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Organic Carbon, Total	18.2000	3.0	1.8	20.0000		91.0	80 - 120			
LCS Dup (B8A0165-BSD1)					Prepared: 1/8/2018 Analyzed: 1/8/2018					
Organic Carbon, Total	18.0200	3.0	1.8	20.0000		90.1	80 - 120	0.994	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W										
Blank (B8A0094-BLK1)					Prepared: 1/5/2018 Analyzed: 1/5/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W (continued)										
Blank (B8A0094-BLK1) - Continued					Prepared: 1/5/2018 Analyzed: 1/5/2018					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*26.27*			*25.0000*		*105*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*22.87*			*25.0000*		*91.5*	*88 - 120*			
Surrogate: Dibromofluoromethan	*31.60*			*25.0000*		*126*	*80 - 150*			
Surrogate: Toluene-d8	*24.56*			*25.0000*		*98.2*	*87 - 121*			
LCS (B8A0094-BS1)					Prepared: 1/5/2018 Analyzed: 1/5/2018					
1,1,1,2-Tetrachloroethane	11.7200	0.50	0.13	10.0000		117	73 - 136			
1,1,1-Trichloroethane	11.3800	0.50	0.38	10.0000		114	73 - 143			
1,1,2,2-Tetrachloroethane	9.82000	0.50	0.20	10.0000		98.2	62 - 127			
1,1,2-Trichloroethane	9.45000	0.50	0.19	10.0000		94.5	72 - 122			
1,1-Dichloroethane	11.3800	0.50	0.20	10.0000		114	73 - 138			
1,1-Dichloroethene	11.0900	0.50	0.28	10.0000		111	74 - 132			
1,1-Dichloropropene	11.4800	0.50	0.36	10.0000		115	70 - 143			
1,2,3-Trichloropropane	8.76000	0.50	0.16	10.0000		87.6	66 - 119			
1,2,3-Trichlorobenzene	9.92000	0.50	0.06	10.0000		99.2	70 - 131			
1,2,4-Trichlorobenzene	9.71000	0.50	0.07	10.0000		97.1	70 - 128			
1,2,4-Trimethylbenzene	10.3200	0.50	0.09	10.0000		103	74 - 142			
1,2-Dibromo-3-chloropropane	10.3700	0.50	0.20	10.0000		104	56 - 118			
1,2-Dibromoethane	9.44000	0.50	0.13	10.0000		94.4	73 - 122			
1,2-Dichlorobenzene	10.1300	0.50	0.12	10.0000		101	75 - 128			
1,2-Dichloroethane	9.05000	0.50	0.39	10.0000		90.5	70 - 131			
1,2-Dichloropropane	9.38000	0.50	0.47	10.0000		93.8	69 - 124			
1,3,5-Trimethylbenzene	10.4300	0.50	0.08	10.0000		104	73 - 144			
1,3-Dichlorobenzene	10.3700	0.50	0.13	10.0000		104	75 - 131			
1,3-Dichloropropane	9.35000	0.50	0.08	10.0000		93.5	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W (continued)										
LCS (B8A0094-BS1) - Continued					Prepared: 1/5/2018 Analyzed: 1/5/2018					
1,4-Dichlorobenzene	10.2000	0.50	0.18	10.0000		102	75 - 127			
2,2-Dichloropropane	11.4700	0.50	0.23	10.0000		115	68 - 151			
2-Chlorotoluene	10.0700	0.50	0.12	10.0000		101	72 - 138			
4-Chlorotoluene	10.0800	0.50	0.11	10.0000		101	72 - 140			
4-Isopropyltoluene	10.3500	0.50	0.12	10.0000		104	74 - 149			
Benzene	20.6000	0.50	0.21	20.0000		103	67 - 138			
Bromobenzene	10.2400	0.50	0.12	10.0000		102	73 - 127			
Bromodichloromethane	10.2400	0.50	0.32	10.0000		102	74 - 129			
Bromoform	10.5300	0.50	0.14	10.0000		105	63 - 131			
Bromomethane	6.27000	0.50	0.22	10.0000		62.7	57 - 216			
Carbon tetrachloride	13.3200	0.50	0.31	10.0000		133	77 - 151			
Chlorobenzene	10.0100	0.50	0.16	10.0000		100	73 - 125			
Chloroethane	14.3400	0.50	0.29	10.0000		143	54 - 154			
Chloroform	10.7200	0.50	0.16	10.0000		107	77 - 132			
Chloromethane	7.64000	0.50	0.19	10.0000		76.4	57 - 142			
cis-1,2-Dichloroethene	10.6800	0.50	0.39	10.0000		107	73 - 126			
cis-1,3-Dichloropropene	8.95000	0.50	0.08	10.0000		89.5	76 - 120			
Dibromochloromethane	12.2300	0.50	0.11	10.0000		122	71 - 126			
Dibromomethane	9.18000	0.50	0.09	10.0000		91.8	73 - 121			
Dichlorodifluoromethane	9.99000	0.50	0.31	10.0000		99.9	48 - 152			
Ethylbenzene	20.7400	0.50	0.08	20.0000		104	72 - 134			
Hexachlorobutadiene	10.2200	0.50	0.22	10.0000		102	72 - 139			
Isopropylbenzene	10.3400	0.50	0.10	10.0000		103	73 - 146			
m,p-Xylene	20.4000	1.0	0.18	20.0000		102	75 - 138			
Methylene chloride	11.0800	1.0	0.26	10.0000		111	52 - 154			
n-Butylbenzene	10.5600	0.50	0.15	10.0000		106	72 - 151			
n-Propylbenzene	10.5400	0.50	0.14	10.0000		105	69 - 149			
Naphthalene	8.67000	0.50	0.09	10.0000		86.7	61 - 122			
o-Xylene	20.4200	0.50	0.04	20.0000		102	66 - 147			
sec-Butylbenzene	10.6400	0.50	0.15	10.0000		106	72 - 148			
Styrene	9.82000	0.50	0.05	10.0000		98.2	72 - 138			
tert-Butylbenzene	10.2600	0.50	0.11	10.0000		103	70 - 145			
Tetrachloroethene	10.6500	0.50	0.18	10.0000		106	61 - 145			
Toluene	20.3300	0.50	0.14	20.0000		102	70 - 140			
trans-1,2-Dichloroethene	10.6400	0.50	0.15	10.0000		106	73 - 130			
Trichloroethene	9.61000	0.50	0.15	10.0000		96.1	69 - 126			
Trichlorofluoromethane	12.5800	0.50	0.33	10.0000		126	70 - 159			
Vinyl chloride	9.47000	0.50	0.25	10.0000		94.7	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*22.73*			*25.0000*		*90.9*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*23.76*			*25.0000*		*95.0*	*88 - 120*			
Surrogate: Dibromofluoromethan	*27.43*			*25.0000*		*110*	*80 - 150*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W (continued)										
LCS (B8A0094-BS1) - Continued					Prepared: 1/5/2018 Analyzed: 1/5/2018					
Surrogate: Toluene-d8	*23.99*			*25.0000*		*96.0*	*87 - 121*			
LCS Dup (B8A0094-BSD1)					Prepared: 1/5/2018 Analyzed: 1/5/2018					
1,1,1,2-Tetrachloroethane	12.0100	0.50	0.13	10.0000		120	73 - 136	2.44	20	
1,1,1-Trichloroethane	12.0500	0.50	0.38	10.0000		120	73 - 143	5.72	20	
1,1,2,2-Tetrachloroethane	9.88000	0.50	0.20	10.0000		98.8	62 - 127	0.609	20	
1,1,2-Trichloroethane	10.1100	0.50	0.19	10.0000		101	72 - 122	6.75	20	
1,1-Dichloroethane	12.0500	0.50	0.20	10.0000		120	73 - 138	5.72	20	
1,1-Dichloroethene	11.9100	0.50	0.28	10.0000		119	74 - 132	7.13	20	
1,1-Dichloropropene	12.0300	0.50	0.36	10.0000		120	70 - 143	4.68	20	
1,2,3-Trichloropropane	8.84000	0.50	0.16	10.0000		88.4	66 - 119	0.909	20	
1,2,3-Trichlorobenzene	10.1300	0.50	0.06	10.0000		101	70 - 131	2.09	20	
1,2,4-Trichlorobenzene	9.87000	0.50	0.07	10.0000		98.7	70 - 128	1.63	20	
1,2,4-Trimethylbenzene	10.4900	0.50	0.09	10.0000		105	74 - 142	1.63	20	
1,2-Dibromo-3-chloropropane	10.5300	0.50	0.20	10.0000		105	56 - 118	1.53	20	
1,2-Dibromoethane	9.80000	0.50	0.13	10.0000		98.0	73 - 122	3.74	20	
1,2-Dichlorobenzene	10.3600	0.50	0.12	10.0000		104	75 - 128	2.24	20	
1,2-Dichloroethane	9.50000	0.50	0.39	10.0000		95.0	70 - 131	4.85	20	
1,2-Dichloropropane	9.70000	0.50	0.47	10.0000		97.0	69 - 124	3.35	20	
1,3,5-Trimethylbenzene	10.6200	0.50	0.08	10.0000		106	73 - 144	1.81	20	
1,3-Dichlorobenzene	10.5800	0.50	0.13	10.0000		106	75 - 131	2.00	20	
1,3-Dichloropropane	9.88000	0.50	0.08	10.0000		98.8	70 - 122	5.51	20	
1,4-Dichlorobenzene	10.3600	0.50	0.18	10.0000		104	75 - 127	1.56	20	
2,2-Dichloropropane	11.9500	0.50	0.23	10.0000		120	68 - 151	4.10	20	
2-Chlorotoluene	10.0700	0.50	0.12	10.0000		101	72 - 138	0.00	20	
4-Chlorotoluene	10.1900	0.50	0.11	10.0000		102	72 - 140	1.09	20	
4-Isopropyltoluene	10.5100	0.50	0.12	10.0000		105	74 - 149	1.53	20	
Benzene	21.6900	0.50	0.21	20.0000		108	67 - 138	5.15	20	
Bromobenzene	10.2400	0.50	0.12	10.0000		102	73 - 127	0.00	20	
Bromodichloromethane	10.9000	0.50	0.32	10.0000		109	74 - 129	6.24	20	
Bromoform	10.8200	0.50	0.14	10.0000		108	63 - 131	2.72	20	
Bromomethane	6.81000	0.50	0.22	10.0000		68.1	57 - 216	8.26	20	
Carbon tetrachloride	13.6900	0.50	0.31	10.0000		137	77 - 151	2.74	20	
Chlorobenzene	10.2300	0.50	0.16	10.0000		102	73 - 125	2.17	20	
Chloroethane	14.0200	0.50	0.29	10.0000		140	54 - 154	2.26	20	
Chloroform	11.5700	0.50	0.16	10.0000		116	77 - 132	7.63	20	
Chloromethane	8.41000	0.50	0.19	10.0000		84.1	57 - 142	9.60	20	
cis-1,2-Dichloroethene	11.4000	0.50	0.39	10.0000		114	73 - 126	6.52	20	
cis-1,3-Dichloropropene	9.43000	0.50	0.08	10.0000		94.3	76 - 120	5.22	20	
Dibromochloromethane	12.9600	0.50	0.11	10.0000		130	71 - 126	5.80	20	L4
Dibromomethane	9.48000	0.50	0.09	10.0000		94.8	73 - 121	3.22	20	
Dichlorodifluoromethane	10.2600	0.50	0.31	10.0000		103	48 - 152	2.67	20	

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Report To : Steve Netto
Reported : 01/23/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W (continued)										
LCS Dup (B8A0094-BSD1) - Continued					Prepared: 1/5/2018 Analyzed: 1/5/2018					
Ethylbenzene	21.3700	0.50	0.08	20.0000		107	72 - 134	2.99	20	
Hexachlorobutadiene	10.3000	0.50	0.22	10.0000		103	72 - 139	0.780	20	
Isopropylbenzene	10.2500	0.50	0.10	10.0000		102	73 - 146	0.874	20	
m,p-Xylene	21.1900	1.0	0.18	20.0000		106	75 - 138	3.80	20	
Methylene chloride	11.4400	1.0	0.26	10.0000		114	52 - 154	3.20	20	
n-Butylbenzene	10.6800	0.50	0.15	10.0000		107	72 - 151	1.13	20	
n-Propylbenzene	10.5600	0.50	0.14	10.0000		106	69 - 149	0.190	20	
Naphthalene	8.83000	0.50	0.09	10.0000		88.3	61 - 122	1.83	20	
o-Xylene	21.2700	0.50	0.04	20.0000		106	66 - 147	4.08	20	
sec-Butylbenzene	10.6400	0.50	0.15	10.0000		106	72 - 148	0.00	20	
Styrene	10.2500	0.50	0.05	10.0000		102	72 - 138	4.29	20	
tert-Butylbenzene	10.4000	0.50	0.11	10.0000		104	70 - 145	1.36	20	
Tetrachloroethene	10.9600	0.50	0.18	10.0000		110	61 - 145	2.87	20	
Toluene	20.6700	0.50	0.14	20.0000		103	70 - 140	1.66	20	
trans-1,2-Dichloroethene	11.4200	0.50	0.15	10.0000		114	73 - 130	7.07	20	
Trichloroethene	10.2100	0.50	0.15	10.0000		102	69 - 126	6.05	20	
Trichlorofluoromethane	13.2600	0.50	0.33	10.0000		133	70 - 159	5.26	20	
Vinyl chloride	9.91000	0.50	0.25	10.0000		99.1	56 - 151	4.54	20	
Surrogate: 1,2-Dichloroethane-d4	*23.63*			*25.0000*		*94.5*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*24.12*			*25.0000*		*96.5*	*88 - 120*			
Surrogate: Dibromofluoromethan	*28.76*			*25.0000*		*115*	*80 - 150*			
Surrogate: Toluene-d8	*23.70*			*25.0000*		*94.8*	*87 - 121*			
Duplicate (B8A0094-DUP1)			**Source: 1800040-02**		Prepared: 1/5/2018 Analyzed: 1/5/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		ND				20	
1,1,1-Trichloroethane	ND	0.50	0.38		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20		ND				20	
1,1,2-Trichloroethane	ND	0.50	0.19		ND				20	
1,1-Dichloroethane	ND	0.50	0.20		ND				20	
1,1-Dichloroethene	ND	0.50	0.28		ND				20	
1,1-Dichloropropene	ND	0.50	0.36		ND				20	
1,2,3-Trichloropropane	ND	0.50	0.16		ND				20	
1,2,3-Trichlorobenzene	ND	0.50	0.06		ND				20	
1,2,4-Trichlorobenzene	ND	0.50	0.07		ND				20	
1,2,4-Trimethylbenzene	ND	0.50	0.09		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20		ND				20	
1,2-Dibromoethane	ND	0.50	0.13		ND				20	
1,2-Dichlorobenzene	ND	0.50	0.12		ND				20	
1,2-Dichloroethane	ND	0.50	0.39		ND				20	
1,2-Dichloropropane	ND	0.50	0.47		ND				20	
1,3,5-Trimethylbenzene	ND	0.50	0.08		ND				20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W (continued)										
Duplicate (B8A0094-DUP1) - Continued			**Source: 1800040-02**		Prepared: 1/5/2018 Analyzed: 1/5/2018					
1,3-Dichlorobenzene	ND	0.50	0.13		ND				20	
1,3-Dichloropropane	ND	0.50	0.08		ND				20	
1,4-Dichlorobenzene	ND	0.50	0.18		ND				20	
2,2-Dichloropropane	ND	0.50	0.23		ND				20	
2-Chlorotoluene	ND	0.50	0.12		ND				20	
4-Chlorotoluene	ND	0.50	0.11		ND				20	
4-Isopropyltoluene	ND	0.50	0.12		ND				20	
Benzene	ND	0.50	0.21		ND				20	
Bromobenzene	ND	0.50	0.12		ND				20	
Bromodichloromethane	ND	0.50	0.32		ND				20	
Bromoform	ND	0.50	0.14		ND				20	
Bromomethane	ND	0.50	0.22		ND				20	
Carbon tetrachloride	ND	0.50	0.31		ND				20	
Chlorobenzene	ND	0.50	0.16		ND				20	
Chloroethane	ND	0.50	0.29		ND				20	
Chloroform	ND	0.50	0.16		ND				20	
Chloromethane	ND	0.50	0.19		ND				20	
cis-1,2-Dichloroethene	ND	0.50	0.39		ND			NR	20	
cis-1,3-Dichloropropene	ND	0.50	0.08		ND				20	
Dibromochloromethane	ND	0.50	0.11		ND				20	
Dibromomethane	ND	0.50	0.09		ND				20	
Dichlorodifluoromethane	ND	0.50	0.31		ND				20	
Ethylbenzene	ND	0.50	0.08		ND				20	
Hexachlorobutadiene	ND	0.50	0.22		ND				20	
Isopropylbenzene	ND	0.50	0.10		ND				20	
m,p-Xylene	ND	1.0	0.18		ND				20	
Methylene chloride	ND	1.0	0.26		ND				20	
n-Butylbenzene	ND	0.50	0.15		ND				20	
n-Propylbenzene	ND	0.50	0.14		ND				20	
Naphthalene	ND	0.50	0.09		ND				20	
o-Xylene	ND	0.50	0.04		ND				20	
sec-Butylbenzene	ND	0.50	0.15		ND				20	
Styrene	ND	0.50	0.05		ND				20	
tert-Butylbenzene	ND	0.50	0.11		ND				20	
Tetrachloroethene	1.47000	0.50	0.18		1.48000			0.678	20	
Toluene	ND	0.50	0.14		ND				20	
trans-1,2-Dichloroethene	ND	0.50	0.15		ND				20	
Trichloroethene	1.04000	0.50	0.15		1.08000			3.77	20	
Trichlorofluoromethane	ND	0.50	0.33		ND				20	
Vinyl chloride	ND	0.50	0.25		ND				20	
Surrogate: 1,2-Dichloroethane-d4	*27.05*			*25.0000*		*108*	*70 - 166*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0094 - MSVOA_W (continued)									
Duplicate (B8A0094-DUP1) - Continued			**Source: 1800040-02**		Prepared: 1/5/2018 Analyzed: 1/5/2018				
Surrogate: 4-Bromofluorobenzene	*22.52*		*25.0000*		*90.1*	*88 - 120*			
Surrogate: Dibromofluoromethan	*32.31*		*25.0000*		*129*	*80 - 150*			
Surrogate: Toluene-d8	*24.59*		*25.0000*		*98.4*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0166 - MSSEMI_W										
Blank (B8A0166-BLK1)					Prepared: 1/9/2018 Analyzed: 1/9/2018					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*70.61*			*100.000*		*70.6*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*77.08*			*100.000*		*77.1*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*97.52*			*100.000*		*97.5*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*80.96*			*100.000*		*81.0*	*19 - 111*			
LCS (B8A0166-BS1)					Prepared: 1/9/2018 Analyzed: 1/9/2018					
1,4-Dioxane	99.7200	2.0	0.84	100.000		99.7	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*57.65*			*100.000*		*57.6*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*68.84*			*100.000*		*68.8*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*77.83*			*100.000*		*77.8*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*73.32*			*100.000*		*73.3*	*19 - 111*			
LCS Dup (B8A0166-BSD1)					Prepared: 1/9/2018 Analyzed: 1/9/2018					
1,4-Dioxane	102.410	2.0	0.84	100.000		102	85 - 121	2.66	20	
Surrogate: 1,2-Dichlorobenzene-d	*56.81*			*100.000*		*56.8*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*72.67*			*100.000*		*72.7*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*83.06*			*100.000*		*83.1*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*73.75*			*100.000*		*73.8*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0120 - MSSEMI_W										
Blank (B8A0120-BLK1)					Prepared: 1/8/2018 Analyzed: 1/9/2018					
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.2666*			*1.00000*		*26.7*	*32 - 99*			S2
Surrogate: 2-Fluorobiphenyl	*0.2771*			*1.00000*		*27.7*	*29 - 105*			S2
Surrogate: 4-Terphenyl-d14	*0.4197*			*1.00000*		*42.0*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.2145*			*1.00000*		*21.4*	*17 - 123*			
LCS (B8A0120-BS1)					Prepared: 1/8/2018 Analyzed: 1/9/2018					
1,4-Dioxane	0.901070	0.20	0.11	1.00000		90.1	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.2628*			*1.00000*		*26.3*	*32 - 99*			S2
Surrogate: 2-Fluorobiphenyl	*0.3008*			*1.00000*		*30.1*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.4691*			*1.00000*		*46.9*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.2195*			*1.00000*		*21.9*	*17 - 123*			
LCS Dup (B8A0120-BSD1)					Prepared: 1/8/2018 Analyzed: 1/9/2018					
1,4-Dioxane	0.870860	0.20	0.11	1.00000		87.1	61 - 166	3.41	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.2222*			*1.00000*		*22.2*	*32 - 99*			S2
Surrogate: 2-Fluorobiphenyl	*0.2522*			*1.00000*		*25.2*	*29 - 105*			S2
Surrogate: 4-Terphenyl-d14	*0.3552*			*1.00000*		*35.5*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.1909*			*1.00000*		*19.1*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/23/2018

Notes and Definitions

S2	Surrogate recovery was below laboratory acceptance limit. Reextraction and/or reanalysisconfirms low recovery caused by matrix effects.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Exova
9240 Santa Fe Springs Road
Santa Fe Springs
California
USA
90670

T: +1 (562) 948-2225
F: +1 (562) 948-5850
E: info400@exova.com
W: www.exova.com

Testing, calibrating, advising

Certificate of Analysis

January 22, 2018

Advanced Technology Laboratories
PO Box 92797
Long Beach, CA 90809-2797

Attn: Rachelle Arada

Exova Job No:	219007
Purchase Order:	COD - CC
Project Name:	1800028 / Groundwater
Samples Received:	2
Date Received:	01-05-18

Analysis	Page
Bromate by SOP 5600, Rev 3	2

Paul Colvin
Senior Chemist

Ishika Lokuge
Senior Chemist

This report is to be reproduced in its entirety. All documents and data will be destroyed 7 years past invoice.
All samples will be disposed of 30 days past invoice unless prior arrangements have been made.

Bromate by SOP 5600, Rev 3
Ion Chromatography-Tandem Mass Spectrometry

Sample preparation: An aliquot of sample was pipetted into a Nalgene bottle, spiked with internal standard (bromate-$^{18}O_3$), and diluted with water. The sample solutions were passed through a Dionex OnGuard II H cartridge and analyzed using IC-MS/MS.

Parts Per Billion (µg/L)

Sample ID	Result
ATL Lab#: 1800028-04 / POX	ND
ATL Lab#: 1800028-06 / INF	ND
Method Blank	ND
Detection Limit	0.5

Date Analyzed: 01-09-18

Quality Control Summary

Sample ID: ATL Lab#: 1800028-06 / INF

Analyte	Sample Result	Spike Conc	Spike Result	Spike % Rec	Spike Duplicate Result	Spike Duplicate % Rec	Spike RPD
Bromate	ND	10.0	10.2	102	9.62	96	6
QC Guidelines				80-120		80-120	NMT 15

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 1800028

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Rachelle Arada (Rachelle@atlglobal.com)
Sampler: Ross Horton

RECEIVING LABORATORY:

Exova Inc.
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Phone :(562) 948-2225
Fax: (562) 948-5850
PO#: SC12322- STANDARD TAT

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1800028-04 ① / POX		**Groundwater**	**01/04/18 14:10**	
Bromate_ICMS/MS_SUB	**01/19/18 17:00**	02/01/18 14:10		
[Bromate by IC-MS/MS]				
1-Poly Unpres - 125mL				
ATL Lab#: 1800028-06 ② / INF		**Groundwater**	**01/04/18 14:20**	
Bromate_ICMS/MS_SUB	**01/19/18 17:00**	02/01/18 14:20		
[Bromate by IC-MS/MS]				
1-Poly Unpres - 125mL				

01-05-18CR: also has
① H ② F

219007

Released By	Date	Received By	Date
	1/5/18		01-05-18 10:14am
Released By	Date	Received By	Date

1/4/18

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 01/04/2018
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ross Horton

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)		Sulfuric Acid (H_2SO_4)	Ice	CONTAINERS: 40-ml VOA	125 mL Poly	250 mL Poly	250 mL Glass	1 L Poly	1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	Bromate by EPA 317	Bromide by EPA 300	Alkalinity by SM2320B	Total Organic Carbon by SM5310B	Total Suspended Solids by SM2540D	UV Absorption EPA 415.3 @254 nm	1,4-Dioxane by EPA 8270C MOD	1,4-Dioxane by EPA 8270 SIM	Expected Concentration Range (ppb) for VOAs: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested
1800028-01	TB-010418	1/4/2018	7:00		X	X				X	2						X								X						X		
-02	CEFF	1/4/2018	14:00	X		X				X	3					1	X								X	X						X		
-03	CBT	1/4/2018	14:05	X		X				X	3					1	X								X	X						X		
-04	POX	1/4/2018	14:10	X		X				X	5	1	1			1	X	X		X	X				X	X						X		
-05	PF	1/4/2018	14:15	X		X				X	2		1	1	1					X	X	X	X									X		
-06	INF	1/4/2018	14:20	X		X				X	3	2				1	X	X	X					X				X				X		
-07	EW-02	1/4/2018	15:00	X		X				X	3	1				1	X		X					X			X					X		
-08	MW-29	1/4/2018	15:30	X		X				X	3	1				1	X		X					X				X				X		
Total number of containers per analysis:											24	5	2	1	1	6																		

Total No. of Containers: 39

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
[signature]	1/4/18 15:45	[signature]	1/4/18 1545
[signature]	1/4/18 1625	[signature] ATC	1/4/18 1625

1.0 °C Temperature on receipt

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

Laboratory

Advanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

REMARKS

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions
mpletely and sign
Complete in
Indicate the
Note applicable
Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

January 26, 2018

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1800278
Client Reference : Raytheon Main GETS Mid Month Sample, 532.15

Enclosed are the results for sample(s) received on January 18, 2018 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-011818	1800278-01	Lab prepared water	1/18/18 8:00	1/18/18 15:36
CEFF	1800278-02	Groundwater	1/18/18 12:20	1/18/18 15:36
CBT	1800278-03	Groundwater	1/18/18 12:25	1/18/18 15:36
POX	1800278-04	Groundwater	1/18/18 12:30	1/18/18 15:36
INF	1800278-05	Groundwater	1/18/18 12:35	1/18/18 15:36
EW-02	1800278-06	Groundwater	1/18/18 13:07	1/18/18 15:36
MW-29	1800278-07	Groundwater	1/18/18 13:20	1/18/18 15:36

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID TB-011818

Lab ID: 1800278-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,1-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,1-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID TB-011818

Lab ID: 1800278-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 19:07	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 19:07	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Trichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:07	
Surrogate: 1,2-Dichloroethane-d4	*89.9 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 19:07*	
Surrogate: 4-Bromofluorobenzene	*84.6 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 19:07*	S12
Surrogate: Dibromofluoromethane	*93.8 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 19:07*	
Surrogate: Toluene-d8	*96.4 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 19:07*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID CEFF

Lab ID: 1800278-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,1-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,1-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID CEFF

Lab ID: 1800278-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 19:30	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 19:30	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Trichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:30	
Surrogate: 1,2-Dichloroethane-d4	*93.7 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 19:30*	
Surrogate: 4-Bromofluorobenzene	*90.1 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 19:30*	
Surrogate: Dibromofluoromethane	*98.4 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 19:30*	
Surrogate: Toluene-d8	*99.2 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 19:30*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID CEFF

Lab ID: 1800278-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8A0644	01/24/2018	01/25/18 15:19	
Surrogate: 1,2-Dichlorobenzene-d4	*113 %*		*32 - 99*		B8A0644	01/24/2018	*01/25/18 15:19*	S3
Surrogate: 2-Fluorobiphenyl	*335 %*		*29 - 105*		B8A0644	01/24/2018	*01/25/18 15:19*	S3
Surrogate: 4-Terphenyl-d14	*3620 %*		*32 - 119*		B8A0644	01/24/2018	*01/25/18 15:19*	S3
Surrogate: Nitrobenzene-d5	*84.4 %*		*17 - 123*		B8A0644	01/24/2018	*01/25/18 15:19*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID CBT

Lab ID: 1800278-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,1-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,1-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID CBT

Lab ID: 1800278-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 19:53	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 19:53	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Trichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 19:53	
Surrogate: 1,2-Dichloroethane-d4	*93.9 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 19:53*	
Surrogate: 4-Bromofluorobenzene	*86.4 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 19:53*	S12
Surrogate: Dibromofluoromethane	*98.1 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 19:53*	
Surrogate: Toluene-d8	*99.4 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 19:53*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID CBT

Lab ID: 1800278-03

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8A0644	01/24/2018	01/25/18 15:48	
Surrogate: 1,2-Dichlorobenzene-d4	*89.3 %*		*32 - 99*		B8A0644	01/24/2018	*01/25/18 15:48*	
Surrogate: 2-Fluorobiphenyl	*281 %*		*29 - 105*		B8A0644	01/24/2018	*01/25/18 15:48*	S3
Surrogate: 4-Terphenyl-d14	*3520 %*		*32 - 119*		B8A0644	01/24/2018	*01/25/18 15:48*	S3
Surrogate: Nitrobenzene-d5	*71.9 %*		*17 - 123*		B8A0644	01/24/2018	*01/25/18 15:48*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID POX

Lab ID: 1800278-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,1-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,1-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID POX

Lab ID: 1800278-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 20:17	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 20:17	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Trichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:17	
Surrogate: 1,2-Dichloroethane-d4	*94.3 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 20:17*	
Surrogate: 4-Bromofluorobenzene	*89.0 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 20:17*	
Surrogate: Dibromofluoromethane	*99.1 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 20:17*	
Surrogate: Toluene-d8	*99.6 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 20:17*	

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Client Sample ID POX

Lab ID: 1800278-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8A0644	01/24/2018	01/25/18 16:19	
Surrogate: 1,2-Dichlorobenzene-d4	*90.8 %*		*32 - 99*		B8A0644	01/24/2018	*01/25/18 16:19*	
Surrogate: 2-Fluorobiphenyl	*267 %*		*29 - 105*		B8A0644	01/24/2018	*01/25/18 16:19*	S3
Surrogate: 4-Terphenyl-d14	*2600 %*		*32 - 119*		B8A0644	01/24/2018	*01/25/18 16:19*	S3
Surrogate: Nitrobenzene-d5	*70.2 %*		*17 - 123*		B8A0644	01/24/2018	*01/25/18 16:19*	

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Client Sample ID INF

Lab ID: 1800278-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,1-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,1-Dichloroethene	**22**	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	

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Lab ID: 1800278-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 20:40	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 20:40	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Trichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 20:40	
Surrogate: 1,2-Dichloroethane-d4	*95.3 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 20:40*	
Surrogate: 4-Bromofluorobenzene	*85.9 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 20:40*	S12
Surrogate: Dibromofluoromethane	*98.2 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 20:40*	
Surrogate: Toluene-d8	*98.9 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 20:40*	

Certificate of Analysis

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Client Sample ID INF

Lab ID: 1800278-05

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**7.5**	2.0	1	B8A0594	01/23/2018	01/23/18 20:38	
Surrogate: 1,2-Dichlorobenzene-d4	*57.9 %*		*17 - 101*		B8A0594	01/23/2018	*01/23/18 20:38*	
Surrogate: 2-Fluorobiphenyl	*73.1 %*		*29 - 109*		B8A0594	01/23/2018	*01/23/18 20:38*	
Surrogate: 4-Terphenyl-d14	*90.0 %*		*49 - 122*		B8A0594	01/23/2018	*01/23/18 20:38*	
Surrogate: Nitrobenzene-d5	*91.9 %*		*19 - 111*		B8A0594	01/23/2018	*01/23/18 20:38*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID EW-02

Lab ID: 1800278-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,1-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,1-Dichloroethene	**5.4**	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID EW-02

Lab ID: 1800278-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 21:04	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 21:04	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Trichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:04	
Surrogate: 1,2-Dichloroethane-d4	*96.1 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 21:04*	
Surrogate: 4-Bromofluorobenzene	*93.3 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 21:04*	
Surrogate: Dibromofluoromethane	*96.8 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 21:04*	
Surrogate: Toluene-d8	*98.7 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 21:04*	

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Client Sample ID EW-02

Lab ID: 1800278-06

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	2.0	1	B8A0594	01/23/2018	01/23/18 21:11	
Surrogate: 1,2-Dichlorobenzene-d4	*59.0 %*		*17 - 101*		B8A0594	01/23/2018	*01/23/18 21:11*	
Surrogate: 2-Fluorobiphenyl	*73.5 %*		*29 - 109*		B8A0594	01/23/2018	*01/23/18 21:11*	
Surrogate: 4-Terphenyl-d14	*90.7 %*		*49 - 122*		B8A0594	01/23/2018	*01/23/18 21:11*	
Surrogate: Nitrobenzene-d5	*91.6 %*		*19 - 111*		B8A0594	01/23/2018	*01/23/18 21:11*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Client Sample ID MW-29

Lab ID: 1800278-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,1,1-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,1,2-Trichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,1-Dichloroethane	**0.82**	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,1-Dichloroethene	**85**	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,1-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2,3-Trichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2,3-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2,4-Trichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2,4-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2-Dibromoethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2-Dichloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,3,5-Trimethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,3-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,3-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
1,4-Dichlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
2,2-Dichloropropane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
2-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
4-Chlorotoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
4-Isopropyltoluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Benzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Bromobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Bromodichloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Bromoform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Bromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Carbon tetrachloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Chlorobenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Chloroethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Chloroform	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Chloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
cis-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
cis-1,3-Dichloropropene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Dibromochloromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	

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Client Sample ID MW-29

Lab ID: 1800278-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Dichlorodifluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Ethylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Hexachlorobutadiene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Isopropylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
m,p-Xylene	ND	1.0	1	B8A0552	01/22/2018	01/22/18 21:27	
Methylene chloride	ND	1.0	1	B8A0552	01/22/2018	01/22/18 21:27	
n-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
n-Propylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Naphthalene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
o-Xylene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
sec-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Styrene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
tert-Butylbenzene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Tetrachloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Toluene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
trans-1,2-Dichloroethene	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Trichloroethene	**0.76**	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Trichlorofluoromethane	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Vinyl chloride	ND	0.50	1	B8A0552	01/22/2018	01/22/18 21:27	
Surrogate: 1,2-Dichloroethane-d4	*95.7 %*	*70 - 166*		B8A0552	01/22/2018	*01/22/18 21:27*	
Surrogate: 4-Bromofluorobenzene	*87.5 %*	*88 - 120*		B8A0552	01/22/2018	*01/22/18 21:27*	S12
Surrogate: Dibromofluoromethane	*95.4 %*	*80 - 150*		B8A0552	01/22/2018	*01/22/18 21:27*	
Surrogate: Toluene-d8	*96.9 %*	*87 - 121*		B8A0552	01/22/2018	*01/22/18 21:27*	

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Lab ID: 1800278-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**31**	2.0	1	B8A0594	01/23/2018	01/23/18 21:44	
Surrogate: 1,2-Dichlorobenzene-d4	*54.4 %*		*17 - 101*		B8A0594	01/23/2018	*01/23/18 21:44*	
Surrogate: 2-Fluorobiphenyl	*70.2 %*		*29 - 109*		B8A0594	01/23/2018	*01/23/18 21:44*	
Surrogate: 4-Terphenyl-d14	*88.1 %*		*49 - 122*		B8A0594	01/23/2018	*01/23/18 21:44*	
Surrogate: Nitrobenzene-d5	*86.5 %*		*19 - 111*		B8A0594	01/23/2018	*01/23/18 21:44*	

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QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W										
Blank (B8A0552-BLK1)					Prepared: 1/22/2018 Analyzed: 1/22/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
Blank (B8A0552-BLK1) - Continued					Prepared: 1/22/2018 Analyzed: 1/22/2018					
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*22.76*			*25.0000*		*91.0*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*22.71*			*25.0000*		*90.8*	*88 - 120*			
Surrogate: Dibromofluoromethan	*23.56*			*25.0000*		*94.2*	*80 - 150*			
Surrogate: Toluene-d8	*24.73*			*25.0000*		*98.9*	*87 - 121*			
LCS (B8A0552-BS1)					Prepared: 1/22/2018 Analyzed: 1/22/2018					
1,1,1,2-Tetrachloroethane	22.9200	0.50	0.13	20.0000		115	73 - 136			
1,1,1-Trichloroethane	18.8300	0.50	0.38	20.0000		94.2	73 - 143			
1,1,2,2-Tetrachloroethane	15.3900	0.50	0.20	20.0000		77.0	62 - 127			
1,1,2-Trichloroethane	17.4000	0.50	0.19	20.0000		87.0	72 - 122			
1,1-Dichloroethane	16.5300	0.50	0.20	20.0000		82.6	73 - 138			
1,1-Dichloroethene	20.0000	0.50	0.28	20.0000		100	74 - 132			
1,1-Dichloropropene	21.1100	0.50	0.36	20.0000		106	70 - 143			
1,2,3-Trichloropropane	14.7600	0.50	0.16	20.0000		73.8	66 - 119			
1,2,3-Trichlorobenzene	20.1400	0.50	0.06	20.0000		101	70 - 131			
1,2,4-Trichlorobenzene	20.2100	0.50	0.07	20.0000		101	70 - 128			
1,2,4-Trimethylbenzene	19.3200	0.50	0.09	20.0000		96.6	74 - 142			
1,2-Dibromo-3-chloropropane	16.3500	0.50	0.20	20.0000		81.8	56 - 118			
1,2-Dibromoethane	17.5100	0.50	0.13	20.0000		87.6	73 - 122			
1,2-Dichlorobenzene	19.6800	0.50	0.12	20.0000		98.4	75 - 128			
1,2-Dichloroethane	17.2400	0.50	0.39	20.0000		86.2	70 - 131			
1,2-Dichloropropane	16.0700	0.50	0.47	20.0000		80.4	69 - 124			
1,3,5-Trimethylbenzene	19.1300	0.50	0.08	20.0000		95.6	73 - 144			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
LCS (B8A0552-BS1) - Continued					Prepared: 1/22/2018 Analyzed: 1/22/2018					
1,3-Dichlorobenzene	20.5700	0.50	0.13	20.0000		103	75 - 131			
1,3-Dichloropropane	16.4700	0.50	0.08	20.0000		82.4	70 - 122			
1,4-Dichlorobenzene	19.1500	0.50	0.18	20.0000		95.8	75 - 127			
2,2-Dichloropropane	21.3700	0.50	0.23	20.0000		107	68 - 151			
2-Chlorotoluene	18.2700	0.50	0.12	20.0000		91.4	72 - 138			
4-Chlorotoluene	18.2100	0.50	0.11	20.0000		91.0	72 - 140			
4-Isopropyltoluene	20.5000	0.50	0.12	20.0000		102	74 - 149			
Benzene	37.2200	0.50	0.21	40.0000		93.0	67 - 138			
Bromobenzene	19.9100	0.50	0.12	20.0000		99.6	73 - 127			
Bromodichloromethane	18.8100	0.50	0.32	20.0000		94.0	74 - 129			
Bromoform	23.7200	0.50	0.14	20.0000		119	63 - 131			
Bromomethane	33.1800	0.50	0.22	20.0000		166	57 - 216			
Carbon tetrachloride	25.5000	0.50	0.31	20.0000		128	77 - 151			
Chlorobenzene	19.5300	0.50	0.16	20.0000		97.6	73 - 125			
Chloroethane	28.5700	0.50	0.29	20.0000		143	54 - 154			
Chloroform	17.0300	0.50	0.16	20.0000		85.2	77 - 132			
Chloromethane	20.2800	0.50	0.19	20.0000		101	57 - 142			
cis-1,2-Dichloroethene	16.9900	0.50	0.39	20.0000		85.0	73 - 126			
cis-1,3-Dichloropropene	17.9600	0.50	0.08	20.0000		89.8	76 - 120			
Dibromochloromethane	20.7100	0.50	0.11	20.0000		104	71 - 126			
Dibromomethane	17.6800	0.50	0.09	20.0000		88.4	73 - 121			
Dichlorodifluoromethane	20.2600	0.50	0.31	20.0000		101	48 - 152			
Ethylbenzene	40.6300	0.50	0.08	40.0000		102	72 - 134			
Hexachlorobutadiene	22.9200	0.50	0.22	20.0000		115	72 - 139			
Isopropylbenzene	19.3600	0.50	0.10	20.0000		96.8	73 - 146			
m,p-Xylene	39.4700	1.0	0.18	40.0000		98.7	75 - 138			
Methylene chloride	19.8600	1.0	0.26	20.0000		99.3	52 - 154			
n-Butylbenzene	19.8400	0.50	0.15	20.0000		99.2	72 - 151			
n-Propylbenzene	19.0000	0.50	0.14	20.0000		95.0	69 - 149			
Naphthalene	16.1800	0.50	0.09	20.0000		80.9	61 - 122			
o-Xylene	38.6500	0.50	0.04	40.0000		96.6	66 - 147			
sec-Butylbenzene	19.7900	0.50	0.15	20.0000		99.0	72 - 148			
Styrene	20.4000	0.50	0.05	20.0000		102	72 - 138			
tert-Butylbenzene	19.6300	0.50	0.11	20.0000		98.2	70 - 145			
Tetrachloroethene	22.6500	0.50	0.18	20.0000		113	61 - 145			
Toluene	38.6100	0.50	0.14	40.0000		96.5	70 - 140			
trans-1,2-Dichloroethene	19.2400	0.50	0.15	20.0000		96.2	73 - 130			
Trichloroethene	19.7000	0.50	0.15	20.0000		98.5	69 - 126			
Trichlorofluoromethane	23.0600	0.50	0.33	20.0000		115	70 - 159			
Vinyl chloride	20.1200	0.50	0.25	20.0000		101	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*20.88*			*25.0000*		*83.5*	*70 - 166*			

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
LCS (B8A0552-BS1) - Continued						Prepared: 1/22/2018 Analyzed: 1/22/2018				
Surrogate: 4-Bromofluorobenzene	*23.46*			*25.0000*		*93.8*	*88 - 120*			
Surrogate: Dibromofluoromethan	*22.55*			*25.0000*		*90.2*	*80 - 150*			
Surrogate: Toluene-d8	*23.28*			*25.0000*		*93.1*	*87 - 121*			
LCS Dup (B8A0552-BSD1)						Prepared: 1/22/2018 Analyzed: 1/22/2018				
1,1,1,2-Tetrachloroethane	23.3200	0.50	0.13	20.0000		117	73 - 136	1.73	20	
1,1,1-Trichloroethane	19.8300	0.50	0.38	20.0000		99.2	73 - 143	5.17	20	
1,1,2,2-Tetrachloroethane	17.0000	0.50	0.20	20.0000		85.0	62 - 127	9.94	20	
1,1,2-Trichloroethane	19.4600	0.50	0.19	20.0000		97.3	72 - 122	11.2	20	
1,1-Dichloroethane	17.0000	0.50	0.20	20.0000		85.0	73 - 138	2.80	20	
1,1-Dichloroethene	20.0600	0.50	0.28	20.0000		100	74 - 132	0.300	20	
1,1-Dichloropropene	22.0300	0.50	0.36	20.0000		110	70 - 143	4.27	20	
1,2,3-Trichloropropane	15.6500	0.50	0.16	20.0000		78.2	66 - 119	5.85	20	
1,2,3-Trichlorobenzene	20.3400	0.50	0.06	20.0000		102	70 - 131	0.988	20	
1,2,4-Trichlorobenzene	20.2000	0.50	0.07	20.0000		101	70 - 128	0.0495	20	
1,2,4-Trimethylbenzene	19.0800	0.50	0.09	20.0000		95.4	74 - 142	1.25	20	
1,2-Dibromo-3-chloropropane	17.5600	0.50	0.20	20.0000		87.8	56 - 118	7.14	20	
1,2-Dibromoethane	19.8500	0.50	0.13	20.0000		99.2	73 - 122	12.5	20	
1,2-Dichlorobenzene	19.8600	0.50	0.12	20.0000		99.3	75 - 128	0.910	20	
1,2-Dichloroethane	18.6500	0.50	0.39	20.0000		93.2	70 - 131	7.86	20	
1,2-Dichloropropane	16.9600	0.50	0.47	20.0000		84.8	69 - 124	5.39	20	
1,3,5-Trimethylbenzene	18.9600	0.50	0.08	20.0000		94.8	73 - 144	0.893	20	
1,3-Dichlorobenzene	20.3800	0.50	0.13	20.0000		102	75 - 131	0.928	20	
1,3-Dichloropropane	18.2700	0.50	0.08	20.0000		91.4	70 - 122	10.4	20	
1,4-Dichlorobenzene	19.0200	0.50	0.18	20.0000		95.1	75 - 127	0.681	20	
2,2-Dichloropropane	21.5100	0.50	0.23	20.0000		108	68 - 151	0.653	20	
2-Chlorotoluene	18.2000	0.50	0.12	20.0000		91.0	72 - 138	0.384	20	
4-Chlorotoluene	17.6200	0.50	0.11	20.0000		88.1	72 - 140	3.29	20	
4-Isopropyltoluene	20.2300	0.50	0.12	20.0000		101	74 - 149	1.33	20	
Benzene	38.0200	0.50	0.21	40.0000		95.0	67 - 138	2.13	20	
Bromobenzene	19.9100	0.50	0.12	20.0000		99.6	73 - 127	0.00	20	
Bromodichloromethane	20.2500	0.50	0.32	20.0000		101	74 - 129	7.37	20	
Bromoform	25.3500	0.50	0.14	20.0000		127	63 - 131	6.64	20	
Bromomethane	33.2800	0.50	0.22	20.0000		166	57 - 216	0.301	20	
Carbon tetrachloride	26.2000	0.50	0.31	20.0000		131	77 - 151	2.71	20	
Chlorobenzene	19.8400	0.50	0.16	20.0000		99.2	73 - 125	1.57	20	
Chloroethane	26.6600	0.50	0.29	20.0000		133	54 - 154	6.92	20	
Chloroform	17.8200	0.50	0.16	20.0000		89.1	77 - 132	4.53	20	
Chloromethane	18.8800	0.50	0.19	20.0000		94.4	57 - 142	7.15	20	
cis-1,2-Dichloroethene	17.3100	0.50	0.39	20.0000		86.6	73 - 126	1.87	20	
cis-1,3-Dichloropropene	19.2800	0.50	0.08	20.0000		96.4	76 - 120	7.09	20	
Dibromochloromethane	22.5100	0.50	0.11	20.0000		113	71 - 126	8.33	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
LCS Dup (B8A0552-BSD1) - Continued					Prepared: 1/22/2018 Analyzed: 1/22/2018					
Dibromomethane	19.3500	0.50	0.09	20.0000		96.8	73 - 121	9.02	20	
Dichlorodifluoromethane	20.8200	0.50	0.31	20.0000		104	48 - 152	2.73	20	
Ethylbenzene	40.9100	0.50	0.08	40.0000		102	72 - 134	0.687	20	
Hexachlorobutadiene	22.4000	0.50	0.22	20.0000		112	72 - 139	2.29	20	
Isopropylbenzene	19.0300	0.50	0.10	20.0000		95.2	73 - 146	1.72	20	
m,p-Xylene	40.2200	1.0	0.18	40.0000		101	75 - 138	1.88	20	
Methylene chloride	19.2900	1.0	0.26	20.0000		96.4	52 - 154	2.91	20	
n-Butylbenzene	19.2900	0.50	0.15	20.0000		96.4	72 - 151	2.81	20	
n-Propylbenzene	18.3500	0.50	0.14	20.0000		91.8	69 - 149	3.48	20	
Naphthalene	17.7200	0.50	0.09	20.0000		88.6	61 - 122	9.09	20	
o-Xylene	38.6400	0.50	0.04	40.0000		96.6	66 - 147	0.0259	20	
sec-Butylbenzene	19.6800	0.50	0.15	20.0000		98.4	72 - 148	0.557	20	
Styrene	19.8400	0.50	0.05	20.0000		99.2	72 - 138	2.78	20	
tert-Butylbenzene	19.4000	0.50	0.11	20.0000		97.0	70 - 145	1.18	20	
Tetrachloroethene	22.3500	0.50	0.18	20.0000		112	61 - 145	1.33	20	
Toluene	39.9100	0.50	0.14	40.0000		99.8	70 - 140	3.31	20	
trans-1,2-Dichloroethene	20.2400	0.50	0.15	20.0000		101	73 - 130	5.07	20	
Trichloroethene	20.7300	0.50	0.15	20.0000		104	69 - 126	5.10	20	
Trichlorofluoromethane	23.1300	0.50	0.33	20.0000		116	70 - 159	0.303	20	
Vinyl chloride	20.4300	0.50	0.25	20.0000		102	56 - 151	1.53	20	
Surrogate: 1,2-Dichloroethane-d4	*21.48*			*25.0000*		*85.9*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*23.42*			*25.0000*		*93.7*	*88 - 120*			
Surrogate: Dibromofluoromethan	*23.50*			*25.0000*		*94.0*	*80 - 150*			
Surrogate: Toluene-d8	*24.22*			*25.0000*		*96.9*	*87 - 121*			
Duplicate (B8A0552-DUP1)			**Source: 1800270-04**		Prepared: 1/22/2018 Analyzed: 1/22/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13		ND				20	
1,1,1-Trichloroethane	ND	0.50	0.38		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.20		ND				20	
1,1,2-Trichloroethane	ND	0.50	0.19		ND				20	
1,1-Dichloroethane	ND	0.50	0.20		ND				20	
1,1-Dichloroethene	ND	0.50	0.28		ND				20	
1,1-Dichloropropene	ND	0.50	0.36		ND				20	
1,2,3-Trichloropropane	ND	0.50	0.16		ND				20	
1,2,3-Trichlorobenzene	ND	0.50	0.06		ND				20	
1,2,4-Trichlorobenzene	ND	0.50	0.07		ND				20	
1,2,4-Trimethylbenzene	ND	0.50	0.09		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.20		ND				20	
1,2-Dibromoethane	ND	0.50	0.13		ND				20	
1,2-Dichlorobenzene	ND	0.50	0.12		ND				20	
1,2-Dichloroethane	ND	0.50	0.39		ND				20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
Duplicate (B8A0552-DUP1) - Continued			**Source: 1800270-04**		Prepared: 1/22/2018 Analyzed: 1/22/2018					
1,2-Dichloropropane	ND	0.50	0.47		ND				20	
1,3,5-Trimethylbenzene	ND	0.50	0.08		ND				20	
1,3-Dichlorobenzene	ND	0.50	0.13		ND				20	
1,3-Dichloropropane	ND	0.50	0.08		ND				20	
1,4-Dichlorobenzene	ND	0.50	0.18		ND				20	
2,2-Dichloropropane	ND	0.50	0.23		ND				20	
2-Chlorotoluene	ND	0.50	0.12		ND				20	
4-Chlorotoluene	ND	0.50	0.11		ND				20	
4-Isopropyltoluene	ND	0.50	0.12		ND				20	
Benzene	ND	0.50	0.21		ND				20	
Bromobenzene	ND	0.50	0.12		ND				20	
Bromodichloromethane	ND	0.50	0.32		ND				20	
Bromoform	ND	0.50	0.14		ND				20	
Bromomethane	ND	0.50	0.22		ND				20	
Carbon tetrachloride	ND	0.50	0.31		ND				20	
Chlorobenzene	ND	0.50	0.16		ND				20	
Chloroethane	ND	0.50	0.29		ND				20	
Chloroform	ND	0.50	0.16		ND				20	
Chloromethane	ND	0.50	0.19		ND				20	
cis-1,2-Dichloroethene	ND	0.50	0.39		ND				20	
cis-1,3-Dichloropropene	ND	0.50	0.08		ND				20	
Dibromochloromethane	ND	0.50	0.11		ND				20	
Dibromomethane	ND	0.50	0.09		ND				20	
Dichlorodifluoromethane	ND	0.50	0.31		ND				20	
Ethylbenzene	ND	0.50	0.08		ND				20	
Hexachlorobutadiene	ND	0.50	0.22		ND				20	
Isopropylbenzene	ND	0.50	0.10		ND				20	
m,p-Xylene	ND	1.0	0.18		ND				20	
Methylene chloride	ND	1.0	0.26		ND				20	
n-Butylbenzene	ND	0.50	0.15		ND				20	
n-Propylbenzene	ND	0.50	0.14		ND				20	
Naphthalene	ND	0.50	0.09		ND				20	
o-Xylene	ND	0.50	0.04		ND				20	
sec-Butylbenzene	ND	0.50	0.15		ND				20	
Styrene	ND	0.50	0.05		ND				20	
tert-Butylbenzene	ND	0.50	0.11		ND				20	
Tetrachloroethene	ND	0.50	0.18		ND				20	
Toluene	ND	0.50	0.14		ND				20	
trans-1,2-Dichloroethene	ND	0.50	0.15		ND				20	
Trichloroethene	ND	0.50	0.15		ND				20	
Trichlorofluoromethane	ND	0.50	0.33		ND				20	
Vinyl chloride	ND	0.50	0.25		ND				20	

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
Duplicate (B8A0552-DUP1) - Continued			**Source: 1800270-04**		Prepared: 1/22/2018 Analyzed: 1/22/2018					
Surrogate: 1,2-Dichloroethane-d4	*22.09*			*25.0000*		*88.4*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*21.32*			*25.0000*		*85.3*	*88 - 120*			S12
Surrogate: Dibromofluoromethan	*23.45*			*25.0000*		*93.8*	*80 - 150*			
Surrogate: Toluene-d8	*23.81*			*25.0000*		*95.2*	*87 - 121*			
Matrix Spike (B8A0552-MS1)			**Source: 1800270-04**		Prepared: 1/22/2018 Analyzed: 1/22/2018					
1,1,1,2-Tetrachloroethane	26.3000	0.50	0.13	20.0000	ND	132	73 - 136			
1,1,1-Trichloroethane	16.4500	0.50	0.38	20.0000	ND	82.2	73 - 143			
1,1,2,2-Tetrachloroethane	19.7700	0.50	0.20	20.0000	ND	98.8	62 - 127			
1,1,2-Trichloroethane	22.0000	0.50	0.19	20.0000	ND	110	72 - 122			
1,1-Dichloroethane	16.4300	0.50	0.20	20.0000	ND	82.2	73 - 138			
1,1-Dichloroethene	15.8200	0.50	0.28	20.0000	ND	79.1	74 - 132			
1,1-Dichloropropene	17.1400	0.50	0.36	20.0000	ND	85.7	70 - 143			
1,2,3-Trichloropropane	18.7900	0.50	0.16	20.0000	ND	94.0	66 - 119			
1,2,3-Trichlorobenzene	22.6500	0.50	0.06	20.0000	ND	113	70 - 131			
1,2,4-Trichlorobenzene	22.0300	0.50	0.07	20.0000	ND	110	70 - 128			
1,2,4-Trimethylbenzene	18.5900	0.50	0.09	20.0000	ND	93.0	74 - 142			
1,2-Dibromo-3-chloropropane	21.5700	0.50	0.20	20.0000	ND	108	56 - 118			
1,2-Dibromoethane	23.1700	0.50	0.13	20.0000	ND	116	73 - 122			
1,2-Dichlorobenzene	22.3700	0.50	0.12	20.0000	ND	112	75 - 128			
1,2-Dichloroethane	21.6400	0.50	0.39	20.0000	ND	108	70 - 131			
1,2-Dichloropropane	18.2900	0.50	0.47	20.0000	ND	91.4	69 - 124			
1,3,5-Trimethylbenzene	17.5300	0.50	0.08	20.0000	ND	87.6	73 - 144			
1,3-Dichlorobenzene	21.8000	0.50	0.13	20.0000	ND	109	75 - 131			
1,3-Dichloropropane	19.9100	0.50	0.08	20.0000	ND	99.6	70 - 122			
1,4-Dichlorobenzene	20.8900	0.50	0.18	20.0000	ND	104	75 - 127			
2,2-Dichloropropane	17.1000	0.50	0.23	20.0000	ND	85.5	68 - 151			
2-Chlorotoluene	17.8800	0.50	0.12	20.0000	ND	89.4	72 - 138			
4-Chlorotoluene	18.1000	0.50	0.11	20.0000	ND	90.5	72 - 140			
4-Isopropyltoluene	16.1600	0.50	0.12	20.0000	ND	80.8	74 - 149			
Benzene	38.0500	0.50	0.21	40.0000	ND	95.1	67 - 138			
Bromobenzene	22.6000	0.50	0.12	20.0000	ND	113	73 - 127			
Bromodichloromethane	22.6300	0.50	0.32	20.0000	ND	113	74 - 129			
Bromoform	29.5200	0.50	0.14	20.0000	ND	148	63 - 131			M2
Bromomethane	34.4800	0.50	0.22	20.0000	ND	172	57 - 216			
Carbon tetrachloride	20.6200	0.50	0.31	20.0000	ND	103	77 - 151			
Chlorobenzene	20.6300	0.50	0.16	20.0000	ND	103	73 - 125			
Chloroethane	22.9600	0.50	0.29	20.0000	ND	115	54 - 154			
Chloroform	18.7300	0.50	0.16	20.0000	ND	93.6	77 - 132			
Chloromethane	14.9100	0.50	0.19	20.0000	ND	74.6	57 - 142			
cis-1,2-Dichloroethene	18.4900	0.50	0.39	20.0000	ND	92.4	73 - 126			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0552 - MSVOA_W (continued)										
Matrix Spike (B8A0552-MS1) - Continued			**Source: 1800270-04**		Prepared: 1/22/2018 Analyzed: 1/22/2018					
cis-1,3-Dichloropropene	20.2300	0.50	0.08	20.0000	ND	101	76 - 120			
Dibromochloromethane	25.5200	0.50	0.11	20.0000	ND	128	71 - 126			M2
Dibromomethane	23.2100	0.50	0.09	20.0000	ND	116	73 - 121			
Dichlorodifluoromethane	12.9300	0.50	0.31	20.0000	ND	64.6	48 - 152			
Ethylbenzene	38.1600	0.50	0.08	40.0000	ND	95.4	72 - 134			
Hexachlorobutadiene	15.9300	0.50	0.22	20.0000	ND	79.6	72 - 139			
Isopropylbenzene	15.7300	0.50	0.10	20.0000	ND	78.6	73 - 146			
m,p-Xylene	38.1200	1.0	0.18	40.0000	ND	95.3	75 - 138			
Methylene chloride	20.8200	1.0	0.26	20.0000	ND	104	52 - 154			
n-Butylbenzene	14.6500	0.50	0.15	20.0000	ND	73.2	72 - 151			
n-Propylbenzene	15.3500	0.50	0.14	20.0000	ND	76.8	69 - 149			
Naphthalene	20.2000	0.50	0.09	20.0000	ND	101	61 - 122			
o-Xylene	39.3700	0.50	0.04	40.0000	ND	98.4	66 - 147			
sec-Butylbenzene	14.5800	0.50	0.15	20.0000	ND	72.9	72 - 148			
Styrene	22.1100	0.50	0.05	20.0000	ND	111	72 - 138			
tert-Butylbenzene	15.8000	0.50	0.11	20.0000	ND	79.0	70 - 145			
Tetrachloroethene	18.5300	0.50	0.18	20.0000	ND	92.6	61 - 145			
Toluene	40.0000	0.50	0.14	40.0000	ND	100	70 - 140			
trans-1,2-Dichloroethene	17.4300	0.50	0.15	20.0000	ND	87.2	73 - 130			
Trichloroethene	19.3500	0.50	0.15	20.0000	ND	96.8	69 - 126			
Trichlorofluoromethane	16.2700	0.50	0.33	20.0000	ND	81.4	70 - 159			
Vinyl chloride	13.9300	0.50	0.25	20.0000	ND	69.6	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*22.69*			*25.0000*		*90.8*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*23.42*			*25.0000*		*93.7*	*88 - 120*			
Surrogate: Dibromofluoromethan	*23.43*			*25.0000*		*93.7*	*80 - 150*			
Surrogate: Toluene-d8	*24.39*			*25.0000*		*97.6*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0594 - MSSEMI_W										
Blank (B8A0594-BLK1)					Prepared: 1/23/2018 Analyzed: 1/23/2018					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*55.86*			*100.000*		*55.9*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*68.03*			*100.000*		*68.0*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*87.52*			*100.000*		*87.5*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*86.09*			*100.000*		*86.1*	*19 - 111*			
LCS (B8A0594-BS2)					Prepared: 1/23/2018 Analyzed: 1/25/2018					
1,4-Dioxane	99.5000	2.0	0.84	100.000		99.5	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*49.64*			*100.000*		*49.6*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*75.79*			*100.000*		*75.8*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*71.14*			*100.000*		*71.1*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*92.66*			*100.000*		*92.7*	*19 - 111*			
LCS Dup (B8A0594-BSD1)					Prepared: 1/23/2018 Analyzed: 1/23/2018					
1,4-Dioxane	95.5000	2.0	0.84	100.000		95.5	85 - 121	13.3	20	
Surrogate: 1,2-Dichlorobenzene-d	*50.91*			*100.000*		*50.9*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*70.42*			*100.000*		*70.4*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*77.63*			*100.000*		*77.6*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*79.28*			*100.000*		*79.3*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8A0644 - MSSEMI_W										
Blank (B8A0644-BLK1)					Prepared: 1/24/2018 Analyzed: 1/25/2018					
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.8318*			*1.00000*		*83.2*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8335*			*1.00000*		*83.4*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8533*			*1.00000*		*85.3*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7323*			*1.00000*		*73.2*	*17 - 123*			
LCS (B8A0644-BS1)					Prepared: 1/24/2018 Analyzed: 1/25/2018					
1,4-Dioxane	0.960210	0.20	0.11	1.00000		96.0	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8771*			*1.00000*		*87.7*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.242*			*1.00000*		*124*	*29 - 105*			S1
Surrogate: 4-Terphenyl-d14	*1.022*			*1.00000*		*102*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7067*			*1.00000*		*70.7*	*17 - 123*			
Matrix Spike (B8A0644-MS1)			**Source: 1800318-01**		Prepared: 1/24/2018 Analyzed: 1/25/2018					
1,4-Dioxane	1.18644	0.20	0.11	1.00000	ND	119	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.3992*			*1.00000*		*39.9*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.4477*			*1.00000*		*44.8*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.4678*			*1.00000*		*46.8*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.3510*			*1.00000*		*35.1*	*17 - 123*			
Matrix Spike Dup (B8A0644-MSD1)			**Source: 1800318-01**		Prepared: 1/24/2018 Analyzed: 1/25/2018					
1,4-Dioxane	1.20576	0.20	0.11	1.00000	ND	121	61 - 166	1.62	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.5364*			*1.00000*		*53.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.6014*			*1.00000*		*60.1*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.6521*			*1.00000*		*65.2*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.4797*			*1.00000*		*48.0*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 01/26/2018

Notes and Definitions

S3	Surrogate recovery outside of laboratory acceptance limit. Unable to confirm matrix effects.
S12	Surrogate recovery outside in-house established limit but within method default criteria.
S1	Surrogate recovery was above laboratory acceptance limit. No target analyte was detected in the sample.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 1/18/2018
Page 1 of 1

PROJECT: Raytheon Main GETS Mid Month Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ross Horton

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Ice	CONTAINERS: 40-ml VOA	125 mL Poly	250 mL Poly	250 mL Glass	1 L Poly	1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	Bromate by EPA 317	Bromide by EPA 300	Alkalinity by SM2320B	Total Organic Carbon by SM5310B	Total Suspended Solids by SM2540D	UV Absorption EPA 415.3 @254 nm	1,4-Dioxane by EPA 8270C MOD	1,4-Dioxane by EPA 8270C SIM	Expected Concentration Range (ppb) for: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1800278-01	TB-011818	1/18/2018	8:00		X	X			X	2						X									X						X			
-02	CEFF	1/18/2018	12:20	X		X			X	3					1	X								X	X						X			
-03	CBT	1/18/2018	12:25	X		X			X	3					1	X								X	X						X			
-04	POX	1/18/2018	12:30	X		X			X	3					1	X								X	X						X			
-05	INF	1/18/2018	12:35	X		X			X	3					1	X							X				X				X			
-06	EW-02	1/18/2018	13:07	X		X			X	3					1	X							X			X					X			
-07	MW-29	1/18/2018	13:20	X		X			X	3					1	X							X				X				X			
Total number of containers per analysis:										20					6																			Total No. of Containers: 26

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Ross Horton H+A	1/18/18 14:00	Mark Pizzuto WPI	1/18/18 14:00
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
	1/18/18 1536		1/18/18 1536

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

0 8 °C Temperature on receipt

Laboratory
Adcanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions:
1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

February 21, 2018

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1800451

Client Reference : Raytheon Main GETS Monthly Sample, 532.15

Enclosed are the results for sample(s) received on February 01, 2018 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-020118	1800451-01	Lab prepared water	2/01/18 8:00	2/01/18 17:15
CBT	1800451-02	Groundwater	2/01/18 14:50	2/01/18 17:15
POX	1800451-03	Groundwater	2/01/18 14:55	2/01/18 17:15
CEFF	1800451-04	Groundwater	2/01/18 14:45	2/01/18 17:15
PF	1800451-05	Groundwater	2/01/18 15:10	2/01/18 17:15
INF	1800451-06	Groundwater	2/01/18 15:15	2/01/18 17:15
EW-02	1800451-07	Groundwater	2/01/18 16:00	2/01/18 17:15
MW-29	1800451-08	Groundwater	2/01/18 15:45	2/01/18 17:15

CASE NARRATIVE

The samples for Bromate by IC-MS/MS analysis were subcontracted to Exova, Inc. with ELAP Cert.# 2652.

Sample Receiving/General Comments:

The following analytes lists were taken from sample containers: Alkalinity - Hydroxide, Bicarbonate, Carbonate, and Total.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID TB-020118

Lab ID: 1800451-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,1,2-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,1-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,1-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID TB-020118

Lab ID: 1800451-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 16:19	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 16:19	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Tetrachloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Trichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Trichlorofluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:19	
Surrogate: 1,2-Dichloroethane-d4	*129 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 16:19*	
Surrogate: 4-Bromofluorobenzene	*99.6 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 16:19*	
Surrogate: Dibromofluoromethane	*128 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 16:19*	
Surrogate: Toluene-d8	*96.8 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 16:19*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID CBT

Lab ID: 1800451-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,1,2-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,1-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,1-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID CBT

Lab ID: 1800451-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 16:44	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 16:44	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Tetrachloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Trichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Trichlorofluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 16:44	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 16:44*	
Surrogate: 4-Bromofluorobenzene	*97.2 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 16:44*	
Surrogate: Dibromofluoromethane	*128 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 16:44*	
Surrogate: Toluene-d8	*96.6 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 16:44*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID CBT

Lab ID: 1800451-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8B0280	02/08/2018	02/08/18 14:30	
Surrogate: 1,2-Dichlorobenzene-d4	*73.6 %*		*32 - 99*		B8B0280	02/08/2018	*02/08/18 14:30*	
Surrogate: 2-Fluorobiphenyl	*74.7 %*		*29 - 105*		B8B0280	02/08/2018	*02/08/18 14:30*	
Surrogate: 4-Terphenyl-d14	*82.2 %*		*32 - 119*		B8B0280	02/08/2018	*02/08/18 14:30*	
Surrogate: Nitrobenzene-d5	*60.9 %*		*17 - 123*		B8B0280	02/08/2018	*02/08/18 14:30*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID POX

Lab ID: 1800451-03

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B8B0282	02/07/2018	02/07/18 13:33	

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,1,2-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,1-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,1-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID POX

Lab ID: 1800451-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 17:09	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 17:09	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Tetrachloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Trichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Trichlorofluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:09	
Surrogate: 1,2-Dichloroethane-d4	*131 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 17:09*	
Surrogate: 4-Bromofluorobenzene	*99.6 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 17:09*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID POX

Lab ID: 1800451-03

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*132 %*		*80 - 150*		B8B0062	02/02/2018	*02/02/18 17:09*	
Surrogate: Toluene-d8	*98.2 %*		*87 - 121*		B8B0062	02/02/2018	*02/02/18 17:09*	

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique — **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8B0280	02/08/2018	02/08/18 14:57	
Surrogate: 1,2-Dichlorobenzene-d4	*78.8 %*		*32 - 99*		B8B0280	02/08/2018	*02/08/18 14:57*	
Surrogate: 2-Fluorobiphenyl	*80.6 %*		*29 - 105*		B8B0280	02/08/2018	*02/08/18 14:57*	
Surrogate: 4-Terphenyl-d14	*81.3 %*		*32 - 119*		B8B0280	02/08/2018	*02/08/18 14:57*	
Surrogate: Nitrobenzene-d5	*65.7 %*		*17 - 123*		B8B0280	02/08/2018	*02/08/18 14:57*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID CEFF

Lab ID: 1800451-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,1,2-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,1-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,1-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID CEFF

Lab ID: 1800451-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 17:34	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 17:34	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Tetrachloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Trichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Trichlorofluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:34	
Surrogate: 1,2-Dichloroethane-d4	*127 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 17:34*	
Surrogate: 4-Bromofluorobenzene	*97.2 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 17:34*	
Surrogate: Dibromofluoromethane	*134 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 17:34*	
Surrogate: Toluene-d8	*97.6 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 17:34*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID CEFF

Lab ID: 1800451-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8B0280	02/08/2018	02/08/18 15:25	
Surrogate: 1,2-Dichlorobenzene-d4	*72.6 %*		*32 - 99*		B8B0280	02/08/2018	*02/08/18 15:25*	
Surrogate: 2-Fluorobiphenyl	*75.9 %*		*29 - 105*		B8B0280	02/08/2018	*02/08/18 15:25*	
Surrogate: 4-Terphenyl-d14	*78.2 %*		*32 - 119*		B8B0280	02/08/2018	*02/08/18 15:25*	
Surrogate: Nitrobenzene-d5	*60.8 %*		*17 - 123*		B8B0280	02/08/2018	*02/08/18 15:25*	

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	02/21/2018

Client Sample ID PF

Lab ID: 1800451-05

UV Absorption by EPA 415.3

Analyst: BL

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B8B0089	02/02/2018	02/02/18 16:29	

Alkalinity, Speciated by SM 2320B

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B8B0287	02/07/2018	02/07/18 14:00	

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D

Analyst: DT

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Suspended	ND	1.0	1	B8B0159	02/05/2018	02/06/18 08:45	

Total Organic Carbon by SM 5310B

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B8B0282	02/07/2018	02/07/18 13:50	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID INF

Lab ID: 1800451-06

Bromide by Ion Chromatography EPA 300 — **Analyst: JL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.21**	0.10	2	B8B0184	02/05/2018	02/05/18 11:42	D2

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,1,2-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,1-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,1-Dichloroethene	**38**	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID INF

Lab ID: 1800451-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 17:58	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 17:58	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Tetrachloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Trichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Trichlorofluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 17:58	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 17:58*	
Surrogate: 4-Bromofluorobenzene	*97.6 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 17:58*	
Surrogate: Dibromofluoromethane	*129 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 17:58*	
Surrogate: Toluene-d8	*96.4 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 17:58*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID INF

Lab ID: 1800451-06

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**6.8**	2.0	1	B8B0299	02/08/2018	02/08/18 20:55	
Surrogate: 1,2-Dichlorobenzene-d4	*71.5 %*		*17 - 101*		B8B0299	02/08/2018	*02/08/18 20:55*	
Surrogate: 2-Fluorobiphenyl	*80.9 %*		*29 - 109*		B8B0299	02/08/2018	*02/08/18 20:55*	
Surrogate: 4-Terphenyl-d14	*108 %*		*49 - 122*		B8B0299	02/08/2018	*02/08/18 20:55*	
Surrogate: Nitrobenzene-d5	*92.0 %*		*19 - 111*		B8B0299	02/08/2018	*02/08/18 20:55*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID EW-02

Lab ID: 1800451-07

Bromide by Ion Chromatography EPA 300 — **Analyst: JL**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.19**	0.10	2	B8B0184	02/05/2018	02/05/18 11:53	D2

Volatile Organic Compounds by EPA 8260B — **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,1,2-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,1-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,1-Dichloroethene	**10**	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID EW-02

Lab ID: 1800451-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 18:23	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 18:23	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Tetrachloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Trichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Trichlorofluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 18:23	
Surrogate: 1,2-Dichloroethane-d4	*127 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 18:23*	
Surrogate: 4-Bromofluorobenzene	*96.1 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 18:23*	
Surrogate: Dibromofluoromethane	*134 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 18:23*	
Surrogate: Toluene-d8	*99.0 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 18:23*	

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San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID EW-02

Lab ID: 1800451-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	2.0	1	B8B0299	02/08/2018	02/08/18 21:24	
Surrogate: 1,2-Dichlorobenzene-d4	*69.0 %*		*17 - 101*		B8B0299	02/08/2018	*02/08/18 21:24*	
Surrogate: 2-Fluorobiphenyl	*83.7 %*		*29 - 109*		B8B0299	02/08/2018	*02/08/18 21:24*	
Surrogate: 4-Terphenyl-d14	*109 %*		*49 - 122*		B8B0299	02/08/2018	*02/08/18 21:24*	
Surrogate: Nitrobenzene-d5	*92.8 %*		*19 - 111*		B8B0299	02/08/2018	*02/08/18 21:24*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID MW-29

Lab ID: 1800451-08

Bromide by Ion Chromatography EPA 300

Analyst: JL

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	**0.33**	0.10	2	B8B0184	02/05/2018	02/05/18 12:05	D2

Volatile Organic Compounds by EPA 8260B

Analyst: QP

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,1,1-Trichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,1,2-Trichloroethane	**0.62**	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,1-Dichloroethane	**1.7**	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,1-Dichloroethene	**170**	5.0	10	B8B0062	02/02/2018	02/02/18 19:38	
1,1-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2,3-Trichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2-Dibromoethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2-Dichloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,3-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,3-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
1,4-Dichlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
2,2-Dichloropropane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
2-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
4-Chlorotoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
4-Isopropyltoluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Benzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Bromobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Bromodichloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Bromoform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Bromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Carbon tetrachloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Chlorobenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID MW-29

Lab ID: 1800451-08

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Chloroform	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Chloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Dibromochloromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Dibromomethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Dichlorodifluoromethane	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Ethylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Hexachlorobutadiene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Isopropylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
m,p-Xylene	ND	1.0	1	B8B0062	02/02/2018	02/02/18 19:13	
Methylene chloride	ND	1.0	1	B8B0062	02/02/2018	02/02/18 19:13	
n-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
n-Propylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Naphthalene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
o-Xylene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
sec-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Styrene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
tert-Butylbenzene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Tetrachloroethene	**0.52**	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Toluene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Trichloroethene	**1.4**	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Trichlorofluoromethane	**0.74**	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Vinyl chloride	ND	0.50	1	B8B0062	02/02/2018	02/02/18 19:13	
Surrogate: 1,2-Dichloroethane-d4	*126 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 19:38*	
Surrogate: 1,2-Dichloroethane-d4	*128 %*	*70 - 166*		B8B0062	02/02/2018	*02/02/18 19:13*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 19:38*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*88 - 120*		B8B0062	02/02/2018	*02/02/18 19:13*	
Surrogate: Dibromofluoromethane	*128 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 19:38*	
Surrogate: Dibromofluoromethane	*135 %*	*80 - 150*		B8B0062	02/02/2018	*02/02/18 19:13*	
Surrogate: Toluene-d8	*100 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 19:38*	
Surrogate: Toluene-d8	*98.7 %*	*87 - 121*		B8B0062	02/02/2018	*02/02/18 19:13*	

Certificate of Analysis

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San Diego , CA 92122	Reported : 02/21/2018

Client Sample ID MW-29

Lab ID: 1800451-08

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**44**	2.0	1	B8B0299	02/08/2018	02/08/18 21:53	
Surrogate: 1,2-Dichlorobenzene-d4	*59.3 %*		*17 - 101*		B8B0299	02/08/2018	*02/08/18 21:53*	
Surrogate: 2-Fluorobiphenyl	*74.9 %*		*29 - 109*		B8B0299	02/08/2018	*02/08/18 21:53*	
Surrogate: 4-Terphenyl-d14	*108 %*		*49 - 122*		B8B0299	02/08/2018	*02/08/18 21:53*	
Surrogate: Nitrobenzene-d5	*86.4 %*		*19 - 111*		B8B0299	02/08/2018	*02/08/18 21:53*	

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QUALITY CONTROL SECTION

Alkalinity, Speciated by SM 2320B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0287 - No_Prep_WC1_W										
Blank (B8B0287-BLK1)					Prepared: 2/7/2018 Analyzed: 2/7/2018					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1.6							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1.6							
Alkalinity, Total (as CaCO3)	ND	5.0	1.6							
LCS (B8B0287-BS1)					Prepared: 2/7/2018 Analyzed: 2/7/2018					
Alkalinity, Total (as CaCO3)	100.840	5.0	1.6	99.9580		101	80 - 120			
Matrix Spike (B8B0287-MS1)			**Source: 1800451-03**		Prepared: 2/7/2018 Analyzed: 2/7/2018					
Alkalinity, Total (as CaCO3)	309.870	5.0	1.6	99.9580	209.030	101	80 - 120			
Matrix Spike Dup (B8B0287-MSD1)			**Source: 1800451-03**		Prepared: 2/7/2018 Analyzed: 2/7/2018					
Alkalinity, Total (as CaCO3)	310.920	5.0	1.6	99.9580	209.030	102	80 - 120	0.338	20	

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Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0159 - No_Prep_WC1_W										
Blank (B8B0159-BLK1)					Prepared: 2/5/2018 Analyzed: 2/6/2018					
Residue, Suspended	ND	1.0	1.0							
LCS (B8B0159-BS1)					Prepared: 2/5/2018 Analyzed: 2/6/2018					
Residue, Suspended	93.0000	10	10	93.9000		99.0	80 - 120			
Duplicate (B8B0159-DUP1)			**Source: 1800475-01**		Prepared: 2/5/2018 Analyzed: 2/6/2018					
Residue, Suspended	21.2000	4.0	4.0		20.0000			5.83	10	

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Bromide by Ion Chromatography EPA 300 - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0184 - No_Prep_IC1_W										
Blank (B8B0184-BLK1)					Prepared: 2/5/2018 Analyzed: 2/5/2018					
Bromide	ND	0.05	0.02							
LCS (B8B0184-BS1)					Prepared: 2/5/2018 Analyzed: 2/5/2018					
Bromide	0.993300	0.05	0.02	1.00000		99.3	90 - 110			
Duplicate (B8B0184-DUP1)			**Source: 1800425-01**		Prepared: 2/5/2018 Analyzed: 2/5/2018					
Bromide	ND	1.0	0.34		ND				20	
Matrix Spike (B8B0184-MS1)			**Source: 1800425-01**		Prepared: 2/5/2018 Analyzed: 2/5/2018					
Bromide	55.0020	1.0	0.34	50.0000	ND	110	80 - 120			
Matrix Spike Dup (B8B0184-MSD1)			**Source: 1800425-01**		Prepared: 2/5/2018 Analyzed: 2/5/2018					
Bromide	55.3180	1.0	0.34	50.0000	ND	111	80 - 120	0.573	20	

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UV Absorption by EPA 415.3 - Quality Control

Analyte	Result (1/cm)	PQL (1/cm)	MDL (1/cm)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0089 - No_Prep_II_W										
Duplicate (B8B0089-DUP1)			**Source: 1800451-05**		Prepared: 2/2/2018 Analyzed: 2/2/2018					
UV Absorption	ND	0.01	0.01		ND			NR	20	

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Total Organic Carbon by SM 5310B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0282 - No_Prep_II_W										
Blank (B8B0282-BLK1)					Prepared: 2/7/2018 Analyzed: 2/7/2018					
Organic Carbon, Total	ND	3.0	1.8							
LCS (B8B0282-BS1)					Prepared: 2/7/2018 Analyzed: 2/7/2018					
Organic Carbon, Total	20.0800	3.0	1.8	20.0000		100	80 - 120			
LCS Dup (B8B0282-BSD1)					Prepared: 2/7/2018 Analyzed: 2/7/2018					
Organic Carbon, Total	19.7700	3.0	1.8	20.0000		98.8	80 - 120	1.56	20	

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0062 - MSVOA_W										
Blank (B8B0062-BLK1)					Prepared: 2/2/2018 Analyzed: 2/2/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0062 - MSVOA_W (continued)										
Blank (B8B0062-BLK1) - Continued					Prepared: 2/2/2018 Analyzed: 2/2/2018					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*31.36*			*25.0000*		*125*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.06*			*25.0000*		*100*	*88 - 120*			
Surrogate: Dibromofluoromethan	*30.14*			*25.0000*		*121*	*80 - 150*			
Surrogate: Toluene-d8	*24.85*			*25.0000*		*99.4*	*87 - 121*			
LCS (B8B0062-BS1)					Prepared: 2/2/2018 Analyzed: 2/2/2018					
1,1,1,2-Tetrachloroethane	20.5400	0.50	0.13	20.0000		103	73 - 136			
1,1,1-Trichloroethane	24.7900	0.50	0.38	20.0000		124	73 - 143			
1,1,2,2-Tetrachloroethane	22.3900	0.50	0.20	20.0000		112	62 - 127			
1,1,2-Trichloroethane	21.8900	0.50	0.19	20.0000		109	72 - 122			
1,1-Dichloroethane	21.2300	0.50	0.20	20.0000		106	73 - 138			
1,1-Dichloroethene	23.2400	0.50	0.28	20.0000		116	74 - 132			
1,1-Dichloropropene	24.5400	0.50	0.36	20.0000		123	70 - 143			
1,2,3-Trichloropropane	21.2800	0.50	0.16	20.0000		106	66 - 119			
1,2,3-Trichlorobenzene	20.0200	0.50	0.06	20.0000		100	70 - 131			
1,2,4-Trichlorobenzene	19.8600	0.50	0.07	20.0000		99.3	70 - 128			
1,2,4-Trimethylbenzene	21.4700	0.50	0.09	20.0000		107	74 - 142			
1,2-Dibromo-3-chloropropane	16.2700	0.50	0.20	20.0000		81.4	56 - 118			
1,2-Dibromoethane	21.5100	0.50	0.13	20.0000		108	73 - 122			
1,2-Dichlorobenzene	20.2500	0.50	0.12	20.0000		101	75 - 128			
1,2-Dichloroethane	21.1600	0.50	0.39	20.0000		106	70 - 131			
1,2-Dichloropropane	21.2900	0.50	0.47	20.0000		106	69 - 124			
1,3,5-Trimethylbenzene	21.4300	0.50	0.08	20.0000		107	73 - 144			
1,3-Dichlorobenzene	20.6100	0.50	0.13	20.0000		103	75 - 131			
1,3-Dichloropropane	22.5700	0.50	0.08	20.0000		113	70 - 122			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0062 - MSVOA_W (continued)										
LCS (B8B0062-BS1) - Continued					Prepared: 2/2/2018 Analyzed: 2/2/2018					
1,4-Dichlorobenzene	19.7800	0.50	0.18	20.0000		98.9	75 - 127			
2,2-Dichloropropane	22.8200	0.50	0.23	20.0000		114	68 - 151			
2-Chlorotoluene	21.7200	0.50	0.12	20.0000		109	72 - 138			
4-Chlorotoluene	21.2500	0.50	0.11	20.0000		106	72 - 140			
4-Isopropyltoluene	21.1200	0.50	0.12	20.0000		106	74 - 149			
Benzene	45.6100	0.50	0.21	40.0000		114	67 - 138			
Bromobenzene	20.6200	0.50	0.12	20.0000		103	73 - 127			
Bromodichloromethane	21.6400	0.50	0.32	20.0000		108	74 - 129			
Bromoform	18.5100	0.50	0.14	20.0000		92.6	63 - 131			
Bromomethane	25.4300	0.50	0.22	20.0000		127	57 - 216			
Carbon tetrachloride	24.1100	0.50	0.31	20.0000		121	77 - 151			
Chlorobenzene	20.4700	0.50	0.16	20.0000		102	73 - 125			
Chloroethane	24.6900	0.50	0.29	20.0000		123	54 - 154			
Chloroform	23.8500	0.50	0.16	20.0000		119	77 - 132			
Chloromethane	24.8600	0.50	0.19	20.0000		124	57 - 142			
cis-1,2-Dichloroethene	22.5100	0.50	0.39	20.0000		113	73 - 126			
cis-1,3-Dichloropropene	18.7800	0.50	0.08	20.0000		93.9	76 - 120			
Dibromochloromethane	23.1400	0.50	0.11	20.0000		116	71 - 126			
Dibromomethane	21.3700	0.50	0.09	20.0000		107	73 - 121			
Dichlorodifluoromethane	26.2300	0.50	0.31	20.0000		131	48 - 152			
Ethylbenzene	42.1400	0.50	0.08	40.0000		105	72 - 134			
Hexachlorobutadiene	20.5600	0.50	0.22	20.0000		103	72 - 139			
Isopropylbenzene	21.6500	0.50	0.10	20.0000		108	73 - 146			
m,p-Xylene	42.9800	1.0	0.18	40.0000		107	75 - 138			
Methylene chloride	19.5700	1.0	0.26	20.0000		97.8	52 - 154			
n-Butylbenzene	22.3900	0.50	0.15	20.0000		112	72 - 151			
n-Propylbenzene	22.0400	0.50	0.14	20.0000		110	69 - 149			
Naphthalene	21.9100	0.50	0.09	20.0000		110	61 - 122			
o-Xylene	42.4700	0.50	0.04	40.0000		106	66 - 147			
sec-Butylbenzene	21.7400	0.50	0.15	20.0000		109	72 - 148			
Styrene	20.6900	0.50	0.05	20.0000		103	72 - 138			
tert-Butylbenzene	21.3500	0.50	0.11	20.0000		107	70 - 145			
Tetrachloroethene	19.8800	0.50	0.18	20.0000		99.4	61 - 145			
Toluene	41.9300	0.50	0.14	40.0000		105	70 - 140			
trans-1,2-Dichloroethene	21.5100	0.50	0.15	20.0000		108	73 - 130			
Trichloroethene	20.8100	0.50	0.15	20.0000		104	69 - 126			
Trichlorofluoromethane	27.0500	0.50	0.33	20.0000		135	70 - 159			
Vinyl chloride	23.1900	0.50	0.25	20.0000		116	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*27.93*			*25.0000*		*112*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.58*			*25.0000*		*102*	*88 - 120*			
Surrogate: Dibromofluoromethan	*28.90*			*25.0000*		*116*	*80 - 150*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0062 - MSVOA_W (continued)										
LCS (B8B0062-BS1) - Continued					Prepared: 2/2/2018 Analyzed: 2/2/2018					
Surrogate: Toluene-d8	*24.87*			*25.0000*		*99.5*	*87 - 121*			
LCS Dup (B8B0062-BSD1)					Prepared: 2/2/2018 Analyzed: 2/2/2018					
1,1,1,2-Tetrachloroethane	21.5000	0.50	0.13	20.0000		108	73 - 136	4.57	20	
1,1,1-Trichloroethane	24.9700	0.50	0.38	20.0000		125	73 - 143	0.723	20	
1,1,2,2-Tetrachloroethane	22.1400	0.50	0.20	20.0000		111	62 - 127	1.12	20	
1,1,2-Trichloroethane	21.6900	0.50	0.19	20.0000		108	72 - 122	0.918	20	
1,1-Dichloroethane	21.9000	0.50	0.20	20.0000		110	73 - 138	3.11	20	
1,1-Dichloroethene	24.3600	0.50	0.28	20.0000		122	74 - 132	4.71	20	
1,1-Dichloropropene	24.5400	0.50	0.36	20.0000		123	70 - 143	0.00	20	
1,2,3-Trichloropropane	21.9800	0.50	0.16	20.0000		110	66 - 119	3.24	20	
1,2,3-Trichlorobenzene	20.0800	0.50	0.06	20.0000		100	70 - 131	0.299	20	
1,2,4-Trichlorobenzene	19.5800	0.50	0.07	20.0000		97.9	70 - 128	1.42	20	
1,2,4-Trimethylbenzene	21.7000	0.50	0.09	20.0000		108	74 - 142	1.07	20	
1,2-Dibromo-3-chloropropane	16.6900	0.50	0.20	20.0000		83.4	56 - 118	2.55	20	
1,2-Dibromoethane	22.0400	0.50	0.13	20.0000		110	73 - 122	2.43	20	
1,2-Dichlorobenzene	20.1300	0.50	0.12	20.0000		101	75 - 128	0.594	20	
1,2-Dichloroethane	21.2800	0.50	0.39	20.0000		106	70 - 131	0.566	20	
1,2-Dichloropropane	21.0600	0.50	0.47	20.0000		105	69 - 124	1.09	20	
1,3,5-Trimethylbenzene	21.2400	0.50	0.08	20.0000		106	73 - 144	0.891	20	
1,3-Dichlorobenzene	20.9700	0.50	0.13	20.0000		105	75 - 131	1.73	20	
1,3-Dichloropropane	22.9600	0.50	0.08	20.0000		115	70 - 122	1.71	20	
1,4-Dichlorobenzene	20.1300	0.50	0.18	20.0000		101	75 - 127	1.75	20	
2,2-Dichloropropane	22.2400	0.50	0.23	20.0000		111	68 - 151	2.57	20	
2-Chlorotoluene	21.6200	0.50	0.12	20.0000		108	72 - 138	0.461	20	
4-Chlorotoluene	21.3800	0.50	0.11	20.0000		107	72 - 140	0.610	20	
4-Isopropyltoluene	21.0700	0.50	0.12	20.0000		105	74 - 149	0.237	20	
Benzene	45.8200	0.50	0.21	40.0000		115	67 - 138	0.459	20	
Bromobenzene	20.3300	0.50	0.12	20.0000		102	73 - 127	1.42	20	
Bromodichloromethane	21.7000	0.50	0.32	20.0000		108	74 - 129	0.277	20	
Bromoform	18.9900	0.50	0.14	20.0000		95.0	63 - 131	2.56	20	
Bromomethane	25.2600	0.50	0.22	20.0000		126	57 - 216	0.671	20	
Carbon tetrachloride	23.4700	0.50	0.31	20.0000		117	77 - 151	2.69	20	
Chlorobenzene	20.7000	0.50	0.16	20.0000		104	73 - 125	1.12	20	
Chloroethane	25.0900	0.50	0.29	20.0000		125	54 - 154	1.61	20	
Chloroform	24.0800	0.50	0.16	20.0000		120	77 - 132	0.960	20	
Chloromethane	24.2700	0.50	0.19	20.0000		121	57 - 142	2.40	20	
cis-1,2-Dichloroethene	22.9600	0.50	0.39	20.0000		115	73 - 126	1.98	20	
cis-1,3-Dichloropropene	18.6800	0.50	0.08	20.0000		93.4	76 - 120	0.534	20	
Dibromochloromethane	23.3800	0.50	0.11	20.0000		117	71 - 126	1.03	20	
Dibromomethane	20.9000	0.50	0.09	20.0000		104	73 - 121	2.22	20	
Dichlorodifluoromethane	26.7100	0.50	0.31	20.0000		134	48 - 152	1.81	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0062 - MSVOA_W (continued)										
LCS Dup (B8B0062-BSD1) - Continued					Prepared: 2/2/2018 Analyzed: 2/2/2018					
Ethylbenzene	42.3500	0.50	0.08	40.0000		106	72 - 134	0.497	20	
Hexachlorobutadiene	21.4300	0.50	0.22	20.0000		107	72 - 139	4.14	20	
Isopropylbenzene	21.4900	0.50	0.10	20.0000		107	73 - 146	0.742	20	
m,p-Xylene	42.5700	1.0	0.18	40.0000		106	75 - 138	0.959	20	
Methylene chloride	20.1300	1.0	0.26	20.0000		101	52 - 154	2.82	20	
n-Butylbenzene	22.0500	0.50	0.15	20.0000		110	72 - 151	1.53	20	
n-Propylbenzene	22.0100	0.50	0.14	20.0000		110	69 - 149	0.136	20	
Naphthalene	21.5700	0.50	0.09	20.0000		108	61 - 122	1.56	20	
o-Xylene	42.5500	0.50	0.04	40.0000		106	66 - 147	0.188	20	
sec-Butylbenzene	21.5500	0.50	0.15	20.0000		108	72 - 148	0.878	20	
Styrene	20.6800	0.50	0.05	20.0000		103	72 - 138	0.0483	20	
tert-Butylbenzene	21.3500	0.50	0.11	20.0000		107	70 - 145	0.00	20	
Tetrachloroethene	18.9400	0.50	0.18	20.0000		94.7	61 - 145	4.84	20	
Toluene	40.6700	0.50	0.14	40.0000		102	70 - 140	3.05	20	
trans-1,2-Dichloroethene	21.5500	0.50	0.15	20.0000		108	73 - 130	0.186	20	
Trichloroethene	20.9700	0.50	0.15	20.0000		105	69 - 126	0.766	20	
Trichlorofluoromethane	27.2800	0.50	0.33	20.0000		136	70 - 159	0.847	20	
Vinyl chloride	23.3200	0.50	0.25	20.0000		117	56 - 151	0.559	20	
Surrogate: 1,2-Dichloroethane-d4	*28.15*			*25.0000*		*113*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.59*			*25.0000*		*102*	*88 - 120*			
Surrogate: Dibromofluoromethan	*29.54*			*25.0000*		*118*	*80 - 150*			
Surrogate: Toluene-d8	*25.51*			*25.0000*		*102*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0299 - MSSEMI_W										
Blank (B8B0299-BLK1)						Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*58.90*			*100.000*		*58.9*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*70.94*			*100.000*		*70.9*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*89.70*			*100.000*		*89.7*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*78.87*			*100.000*		*78.9*	*19 - 111*			
LCS (B8B0299-BS1)						Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	49.3700	2.0	0.84	50.0000		98.7	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*58.18*			*100.000*		*58.2*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*75.83*			*100.000*		*75.8*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*85.87*			*100.000*		*85.9*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*81.66*			*100.000*		*81.7*	*19 - 111*			
LCS Dup (B8B0299-BSD1)						Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	47.4300	2.0	0.84	50.0000		94.9	85 - 121	4.01	20	
Surrogate: 1,2-Dichlorobenzene-d	*56.76*			*100.000*		*56.8*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*76.27*			*100.000*		*76.3*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*86.65*			*100.000*		*86.6*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*82.06*			*100.000*		*82.1*	*19 - 111*			
Matrix Spike (B8B0299-MS1)			**Source: 1800451-06**			Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	58.6400	2.0	0.84	50.0000	6.79000	104	85 - 121			
Surrogate: 1,2-Dichlorobenzene-d	*59.71*			*100.000*		*59.7*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*77.48*			*100.000*		*77.5*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*83.62*			*100.000*		*83.6*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*84.79*			*100.000*		*84.8*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/21/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0280 - MSSEMI_W										
Blank (B8B0280-BLK1)						Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.7461*			*1.00000*		*74.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.7894*			*1.00000*		*78.9*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.7811*			*1.00000*		*78.1*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.6966*			*1.00000*		*69.7*	*17 - 123*			
LCS (B8B0280-BS1)						Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	1.00131	0.20	0.11	1.00000		100	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.7135*			*1.00000*		*71.3*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.7206*			*1.00000*		*72.1*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.7127*			*1.00000*		*71.3*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.6521*			*1.00000*		*65.2*	*17 - 123*			
LCS Dup (B8B0280-BSD1)						Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	0.953780	0.20	0.11	1.00000		95.4	61 - 166	4.86	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.7199*			*1.00000*		*72.0*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.7565*			*1.00000*		*75.6*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.7436*			*1.00000*		*74.4*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.6273*			*1.00000*		*62.7*	*17 - 123*			
Matrix Spike (B8B0280-MS1)			**Source: 1800451-03**			Prepared: 2/8/2018 Analyzed: 2/8/2018				
1,4-Dioxane	1.09101	0.20	0.11	1.00000	ND	109	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.6587*			*1.00000*		*65.9*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.6977*			*1.00000*		*69.8*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.7540*			*1.00000*		*75.4*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.5529*			*1.00000*		*55.3*	*17 - 123*			

Certificate of Analysis

Hargis & Associates, Inc.		Project Number :	Raytheon Main GETS Monthly Sample, 5
9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	02/21/2018

Notes and Definitions

D2	Sample required dilution due to high concentration of non-target analyte.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Exova
9240 Santa Fe Springs Road
Santa Fe Springs
California
USA
90670

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E: info400@exova.com
W: www.exova.com

Testing, calibrating, advising

Certificate of Analysis

February 20, 2018

Advanced Technology Laboratories
PO Box 92797
Long Beach, CA 90809-2797

Attn: Rachelle Arada

Exova Job No:	219662
Purchase Order:	CREDIT CARD
Project Name:	1800451 / Groundwater
Samples Received:	2
Date Received:	02-02-18

Analysis	Page
Bromate by SOP 5600, Rev 3	2

Michael Shelton
Technical Director

Ishika Lokuge
Senior Chemist

This report is to be reproduced in its entirety. All documents and data will be destroyed 7 years past invoice.
All samples will be disposed of 30 days past invoice unless prior arrangements have been made.

Bromate by SOP 5600, Rev 3
Ion Chromatography-Tandem Mass Spectrometry

Sample preparation: An aliquot of each sample was pipetted into a Nalgene bottle, spiked with internal standard (bromate-$^{18}O_3$), and diluted with water. The sample solutions were passed through a Dionex OnGuard II H cartridge and analyzed using IC-MS/MS.

Parts Per Billion (µg/L)

Sample ID	Result
ATL Lab#: 1800451-03 / POX	ND
ATL Lab#: 1800451-06 / INF	ND
Method Blank	ND
Detection Limit	0.5

Date Analyzed: 02-17-18

Quality Control Summary

Sample ID: ATL Lab#: 1800451-03 / POX

Analyte	Sample Result	Spike Conc	Spike Result	Spike % Rec	Spike Duplicate Result	Spike Duplicate % Rec	Spike RPD
Bromate	ND	10.0	9.97	100	9.45	94	5
QC Guidelines				80-120		80-120	NMT 15

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 1800451

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Rachelle Arada (Rachelle@atlglobal.com)
Sampler: Ross Horta

RECEIVING LABORATORY:

Exova Inc.
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Phone :(562) 948-2225
Fax: (562) 948-5850
PO#: SC12415-STANDARD TAT

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1800451-03 / POX		**Groundwater**	**02/01/18 14:55**	
Bromate_ICMS/MS_SUB	**02/16/18 17:00**	03/01/18 14:55		
[Bromate by IC-MS/MS]				
Poly Unpres - 125mL				
ATL Lab#: 1800451-06 / INF		**Groundwater**	**02/01/18 15:15**	
Bromate_ICMS/MS_SUB	**02/16/18 17:00**	03/01/18 15:15		
[Bromate by IC-MS/MS]				
Poly Unpres - 125mL				

02-02-18CR: Also has:
(1) H (2) F

Released By	Date	Received By	Date
	2/2/18 12:03		02-02-18 12:01 pm
Released By	Date	Received By	Date

219662

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 02/1/2018
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ross Horta

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Nitric Acid (HNO_3)	PRESERVATION:	PRESERVATION: Sulfuric Acid (H_2SO_4)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 125 mL Poly	CONTAINERS: 250 mL Poly	CONTAINERS: 250 mL Glass	CONTAINERS: 1 L Poly	CONTAINERS: 1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: Bromate by EPA 317	ANALYSIS REQUESTED: Bromide by EPA 300	ANALYSIS REQUESTED: Alkalinity by SM2320B	ANALYSIS REQUESTED: Total Organic Carbon by SM5310B	ANALYSIS REQUESTED: Total Suspended Solids by SM2540D	ANALYSIS REQUESTED: UV Absorption EPA 415.3 @254 nm	ANALYSIS REQUESTED: 1,4-Dioxane by EPA 8270C MOD	ANALYSIS REQUESTED: 1,4-Dioxane by EPA 8270 SIM	Expected Concentration Range (ppb) for VOAs: 0 - 10	10 - 100	100 - 1,000	>1,000		SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1800451 -01	TB-020118	2/1/2018	8:00		X	X				X	2						X									X							X			
-02	CBT	2/1/2018	14:50	X		X				X	3					1	X								X	X							X			
-03	POX	2/1/2018	14:55	X		X				X	5	1	1			1	X	X		X	X				X	X							X			
-04	CEFF	2/1/2018	14:45	X		X				X	3					1	X								X	X							X			
-05	PF	2/1/2018	15:10	X		X				X	2		1	1	1					X	X	X	X										X			
-06	INF	2/1/2018	15:15	X		X				X	3	2				1	X	X	X					X				X					X			
-07	EW-02	2/1/2018	16:00	X		X				X	3	1				1	X		X					X			X						X			
-08	MW-29	2/1/2018	15:45	X		X				X	3	1				1	X		X					X				X					X			
Total number of containers per analysis:											24	5	2	1	1	6																				Total No. of Containers: 39

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
Ross Horta HrA	2/1/18 16:17	[signature]	2/1/18 16:17
Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
[signature] WPI	17:15 2-1-18	FEDEX ATL	2/1/18 1715

0.8 C Temperature on receipt

- ✓ No. of containers correct
- ✓ Received in good condition
- Custody seals secure
- ✓ Conforms to COC document

Laboratory
Advanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions
- Fill out form completely and sign only after verified for completeness
- Complete in ballpoint pen. Draw one line through error, initial and date correction
- Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
- Note applicable preservatives, special instructions, and deviations from typical environmental samples.
- Consult project QA documents for specific instructions.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 02/1/2018
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ross Horton

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Ice	CONTAINERS: 40-ml VOA	125 mL Poly	250 mL Poly	250 mL Glass	1 L Poly	1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	Bromate by EPA 317	Bromide by EPA 300	Alkalinity by SM2320B	Total Organic Carbon by SM5310B	Total Suspended Solids by SM2540D	UV Absorption EPA 415.3 @254 nm	1,4-Dioxane by EPA 8270C MOD	1,4-Dioxane by EPA 8270 SIM	Expected Concentration Range (ppb) for VOAs: 0 - 10	10 - 100	100 - 1,000	>1,000	SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested
1800451-03	POX-QC	2/1/2018	14:55	X		X			X	5					1	X				X				X	X						X		
-06	INF-QC	2/1/2018	15:15	X		X			X	3					1	X							X				X				X		
Total number of containers per analysis:										8					2																		

Laboratory
Advanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

REMARKS

Lab-requested QC samples on this COC match POX and INF samples delivered on separate COC.

Total No. of Containers: 10

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
RH H+A	2/1/18 16:17	[signature] WP1	2/1/18 16:17
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
[signature] WP1	2/1/18 17:15	[signature] ATL	2/1/18 1715

- ✓ No. of containers correct
- ✓ Received in good condition
- ✓ Custody seals secure
- ✓ Conforms to COC document

0.8 °C Temperature on receipt

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions
1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

April 25, 2018

Steve Netto
Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego, CA 92122
Tel: (619) 249-3166
Fax:(858) 455-6533

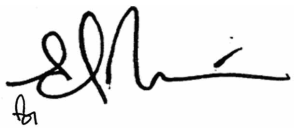
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 1800640
Client Reference : Raytheon Main GETS Mid Month Sample, 532.15

Enclosed are the results for sample(s) received on February 15, 2018 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-021518	1800640-01	Lab prepared water	2/15/18 8:00	2/15/18 15:49
CEFF	1800640-02	Groundwater	2/15/18 9:00	2/15/18 15:49
CBT	1800640-03	Groundwater	2/15/18 9:10	2/15/18 15:49
POX	1800640-04	Groundwater	2/15/18 9:20	2/15/18 15:49
INF	1800640-05	Groundwater	2/15/18 9:30	2/15/18 15:49
EW-02	1800640-06	Groundwater	2/15/18 10:20	2/15/18 15:49
MW-29	1800640-07	Groundwater	2/15/18 10:00	2/15/18 15:49

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID TB-021518

Lab ID: 1800640-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,1,2-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,1-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,1-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID TB-021518

Lab ID: 1800640-01

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 14:44	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 14:44	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Trichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Trichlorofluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 14:44	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 14:44*	
Surrogate: 4-Bromofluorobenzene	*97.3 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 14:44*	
Surrogate: Dibromofluoromethane	*103 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 14:44*	
Surrogate: Toluene-d8	*103 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 14:44*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID CEFF

Lab ID: 1800640-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,1,2-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,1-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,1-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID CEFF

Lab ID: 1800640-02

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 15:09	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 15:09	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Trichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Trichlorofluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:09	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 15:09*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 15:09*	
Surrogate: Dibromofluoromethane	*103 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 15:09*	
Surrogate: Toluene-d8	*103 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 15:09*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID CEFF

Lab ID: 1800640-02

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8B0804	02/22/2018	02/22/18 18:03	
Surrogate: 1,2-Dichlorobenzene-d4	*84.1 %*		*32 - 99*		B8B0804	02/22/2018	*02/22/18 18:03*	
Surrogate: 2-Fluorobiphenyl	*86.6 %*		*29 - 105*		B8B0804	02/22/2018	*02/22/18 18:03*	
Surrogate: 4-Terphenyl-d14	*82.5 %*		*32 - 119*		B8B0804	02/22/2018	*02/22/18 18:03*	
Surrogate: Nitrobenzene-d5	*69.2 %*		*17 - 123*		B8B0804	02/22/2018	*02/22/18 18:03*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID CBT

Lab ID: 1800640-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,1,2-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,1-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,1-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID CBT

Lab ID: 1800640-03

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 15:34	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 15:34	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Trichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Trichlorofluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:34	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 15:34*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 15:34*	
Surrogate: Dibromofluoromethane	*107 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 15:34*	
Surrogate: Toluene-d8	*104 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 15:34*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
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Lab ID: 1800640-03

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8B0804	02/22/2018	02/22/18 18:31	
Surrogate: 1,2-Dichlorobenzene-d4	*77.3 %*		*32 - 99*		B8B0804	02/22/2018	*02/22/18 18:31*	
Surrogate: 2-Fluorobiphenyl	*79.5 %*		*29 - 105*		B8B0804	02/22/2018	*02/22/18 18:31*	
Surrogate: 4-Terphenyl-d14	*84.9 %*		*32 - 119*		B8B0804	02/22/2018	*02/22/18 18:31*	
Surrogate: Nitrobenzene-d5	*61.6 %*		*17 - 123*		B8B0804	02/22/2018	*02/22/18 18:31*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID POX

Lab ID: 1800640-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,1,2-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,1-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,1-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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Client Sample ID POX

Lab ID: 1800640-04

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 15:58	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 15:58	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Trichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Trichlorofluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 15:58	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 15:58*	
Surrogate: 4-Bromofluorobenzene	*96.2 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 15:58*	
Surrogate: Dibromofluoromethane	*103 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 15:58*	
Surrogate: Toluene-d8	*102 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 15:58*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID POX

Lab ID: 1800640-04

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B8B0804	02/22/2018	02/22/18 18:57	
Surrogate: 1,2-Dichlorobenzene-d4	*63.7 %*		*32 - 99*		B8B0804	02/22/2018	*02/22/18 18:57*	
Surrogate: 2-Fluorobiphenyl	*66.7 %*		*29 - 105*		B8B0804	02/22/2018	*02/22/18 18:57*	
Surrogate: 4-Terphenyl-d14	*59.7 %*		*32 - 119*		B8B0804	02/22/2018	*02/22/18 18:57*	
Surrogate: Nitrobenzene-d5	*53.4 %*		*17 - 123*		B8B0804	02/22/2018	*02/22/18 18:57*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
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San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID INF

Lab ID: 1800640-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,1,2-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,1-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,1-Dichloroethene	**28**	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
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Lab ID: 1800640-05

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 20:54	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 20:54	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Trichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Trichlorofluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 20:54	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 20:54*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 20:54*	
Surrogate: Dibromofluoromethane	*109 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 20:54*	
Surrogate: Toluene-d8	*107 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 20:54*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID INF

Lab ID: 1800640-05

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**12**	2.0	1	B8B0803	02/22/2018	02/28/18 17:34	
Surrogate: 1,2-Dichlorobenzene-d4	*69.2 %*		*17 - 101*		B8B0803	02/22/2018	*02/28/18 17:34*	
Surrogate: 2-Fluorobiphenyl	*87.7 %*		*29 - 109*		B8B0803	02/22/2018	*02/28/18 17:34*	
Surrogate: 4-Terphenyl-d14	*102 %*		*49 - 122*		B8B0803	02/22/2018	*02/28/18 17:34*	
Surrogate: Nitrobenzene-d5	*71.3 %*		*19 - 111*		B8B0803	02/22/2018	*02/28/18 17:34*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID EW-02

Lab ID: 1800640-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,1,2-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,1-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,1-Dichloroethene	**8.7**	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID EW-02

Lab ID: 1800640-06

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 21:19	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 21:19	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Trichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Trichlorofluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:19	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 21:19*	
Surrogate: 4-Bromofluorobenzene	*99.2 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 21:19*	
Surrogate: Dibromofluoromethane	*113 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 21:19*	
Surrogate: Toluene-d8	*109 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 21:19*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID EW-02

Lab ID: 1800640-06

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**2.7**	2.0	1	B8B0803	02/22/2018	02/28/18 18:00	
Surrogate: 1,2-Dichlorobenzene-d4	*69.2 %*		*17 - 101*		B8B0803	02/22/2018	*02/28/18 18:00*	
Surrogate: 2-Fluorobiphenyl	*87.0 %*		*29 - 109*		B8B0803	02/22/2018	*02/28/18 18:00*	
Surrogate: 4-Terphenyl-d14	*99.8 %*		*49 - 122*		B8B0803	02/22/2018	*02/28/18 18:00*	
Surrogate: Nitrobenzene-d5	*70.6 %*		*19 - 111*		B8B0803	02/22/2018	*02/28/18 18:00*	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID MW-29

Lab ID: 1800640-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,1,1-Trichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,1,2-Trichloroethane	**0.60**	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,1-Dichloroethane	**1.4**	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,1-Dichloroethene	**140**	5.0	10	B8B0672	02/19/2018	02/19/18 22:08	
1,1-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2,3-Trichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2,3-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2,4-Trichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2,4-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2-Dibromoethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2-Dichloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,3,5-Trimethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,3-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,3-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
1,4-Dichlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
2,2-Dichloropropane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
2-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
4-Chlorotoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
4-Isopropyltoluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Benzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Bromobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Bromodichloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Bromoform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Bromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Carbon tetrachloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Chlorobenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Chloroethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Chloroform	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Chloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
cis-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
cis-1,3-Dichloropropene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Dibromochloromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID MW-29

Lab ID: 1800640-07

Volatile Organic Compounds by EPA 8260B **Analyst: QP**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Dichlorodifluoromethane	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Ethylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Hexachlorobutadiene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Isopropylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
m,p-Xylene	ND	1.0	1	B8B0672	02/19/2018	02/19/18 21:44	
Methylene chloride	ND	1.0	1	B8B0672	02/19/2018	02/19/18 21:44	
n-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
n-Propylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Naphthalene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
o-Xylene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
sec-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Styrene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
tert-Butylbenzene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Tetrachloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Toluene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
trans-1,2-Dichloroethene	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Trichloroethene	**1.5**	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Trichlorofluoromethane	**0.55**	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Vinyl chloride	ND	0.50	1	B8B0672	02/19/2018	02/19/18 21:44	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 22:08*	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*70 - 166*		B8B0672	02/19/2018	*02/19/18 21:44*	
Surrogate: 4-Bromofluorobenzene	*98.1 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 22:08*	
Surrogate: 4-Bromofluorobenzene	*98.3 %*	*88 - 120*		B8B0672	02/19/2018	*02/19/18 21:44*	
Surrogate: Dibromofluoromethane	*112 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 22:08*	
Surrogate: Dibromofluoromethane	*110 %*	*80 - 150*		B8B0672	02/19/2018	*02/19/18 21:44*	
Surrogate: Toluene-d8	*107 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 21:44*	
Surrogate: Toluene-d8	*104 %*	*87 - 121*		B8B0672	02/19/2018	*02/19/18 22:08*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Client Sample ID MW-29

Lab ID: 1800640-07

1,4-Dioxane by EPA 8270: Isotope Dilution Technique **Analyst: SP**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**55**	2.0	1	B8B0803	02/22/2018	02/28/18 18:26	
Surrogate: 1,2-Dichlorobenzene-d4	*70.9 %*		*17 - 101*		B8B0803	02/22/2018	*02/28/18 18:26*	
Surrogate: 2-Fluorobiphenyl	*91.1 %*		*29 - 109*		B8B0803	02/22/2018	*02/28/18 18:26*	
Surrogate: 4-Terphenyl-d14	*113 %*		*49 - 122*		B8B0803	02/22/2018	*02/28/18 18:26*	
Surrogate: Nitrobenzene-d5	*70.9 %*		*19 - 111*		B8B0803	02/22/2018	*02/28/18 18:26*	

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

QUALITY CONTROL SECTION

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0672 - MSVOA_W										
Blank (B8B0672-BLK1)					Prepared: 2/19/2018 Analyzed: 2/19/2018					
1,1,1,2-Tetrachloroethane	ND	0.50	0.13							
1,1,1-Trichloroethane	ND	0.50	0.38							
1,1,2,2-Tetrachloroethane	ND	0.50	0.20							
1,1,2-Trichloroethane	ND	0.50	0.19							
1,1-Dichloroethane	ND	0.50	0.20							
1,1-Dichloroethene	ND	0.50	0.28							
1,1-Dichloropropene	ND	0.50	0.36							
1,2,3-Trichloropropane	ND	0.50	0.16							
1,2,3-Trichlorobenzene	ND	0.50	0.06							
1,2,4-Trichlorobenzene	ND	0.50	0.07							
1,2,4-Trimethylbenzene	ND	0.50	0.09							
1,2-Dibromo-3-chloropropane	ND	0.50	0.20							
1,2-Dibromoethane	ND	0.50	0.13							
1,2-Dichlorobenzene	ND	0.50	0.12							
1,2-Dichloroethane	ND	0.50	0.39							
1,2-Dichloropropane	ND	0.50	0.47							
1,3,5-Trimethylbenzene	ND	0.50	0.08							
1,3-Dichlorobenzene	ND	0.50	0.13							
1,3-Dichloropropane	ND	0.50	0.08							
1,4-Dichlorobenzene	ND	0.50	0.18							
2,2-Dichloropropane	ND	0.50	0.23							
2-Chlorotoluene	ND	0.50	0.12							
4-Chlorotoluene	ND	0.50	0.11							
4-Isopropyltoluene	ND	0.50	0.12							
Benzene	ND	0.50	0.21							
Bromobenzene	ND	0.50	0.12							
Bromodichloromethane	ND	0.50	0.32							
Bromoform	ND	0.50	0.14							
Bromomethane	ND	0.50	0.22							
Carbon tetrachloride	ND	0.50	0.31							
Chlorobenzene	ND	0.50	0.16							
Chloroethane	ND	0.50	0.29							
Chloroform	ND	0.50	0.16							
Chloromethane	ND	0.50	0.19							
cis-1,2-Dichloroethene	ND	0.50	0.39							
cis-1,3-Dichloropropene	ND	0.50	0.08							
Dibromochloromethane	ND	0.50	0.11							
Dibromomethane	ND	0.50	0.09							
Dichlorodifluoromethane	ND	0.50	0.31							

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Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0672 - MSVOA_W (continued)										
Blank (B8B0672-BLK1) - Continued					Prepared: 2/19/2018 Analyzed: 2/19/2018					
Ethylbenzene	ND	0.50	0.08							
Hexachlorobutadiene	ND	0.50	0.22							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.18							
Methylene chloride	ND	1.0	0.26							
n-Butylbenzene	ND	0.50	0.15							
n-Propylbenzene	ND	0.50	0.14							
Naphthalene	ND	0.50	0.09							
o-Xylene	ND	0.50	0.04							
sec-Butylbenzene	ND	0.50	0.15							
Styrene	ND	0.50	0.05							
tert-Butylbenzene	ND	0.50	0.11							
Tetrachloroethene	ND	0.50	0.18							
Toluene	ND	0.50	0.14							
trans-1,2-Dichloroethene	ND	0.50	0.15							
Trichloroethene	ND	0.50	0.15							
Trichlorofluoromethane	ND	0.50	0.33							
Vinyl chloride	ND	0.50	0.25							
Surrogate: 1,2-Dichloroethane-d4	*26.12*			*25.0000*		*104*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.51*			*25.0000*		*102*	*88 - 120*			
Surrogate: Dibromofluoromethan	*25.19*			*25.0000*		*101*	*80 - 150*			
Surrogate: Toluene-d8	*24.95*			*25.0000*		*99.8*	*87 - 121*			
LCS (B8B0672-BS1)					Prepared: 2/19/2018 Analyzed: 2/19/2018					
1,1,1,2-Tetrachloroethane	21.8000	0.50	0.13	20.0000		109	73 - 136			
1,1,1-Trichloroethane	22.2800	0.50	0.38	20.0000		111	73 - 143			
1,1,2,2-Tetrachloroethane	18.0700	0.50	0.20	20.0000		90.4	62 - 127			
1,1,2-Trichloroethane	19.7200	0.50	0.19	20.0000		98.6	72 - 122			
1,1-Dichloroethane	18.6600	0.50	0.20	20.0000		93.3	73 - 138			
1,1-Dichloroethene	18.9800	0.50	0.28	20.0000		94.9	74 - 132			
1,1-Dichloropropene	22.0400	0.50	0.36	20.0000		110	70 - 143			
1,2,3-Trichloropropane	16.8700	0.50	0.16	20.0000		84.4	66 - 119			
1,2,3-Trichlorobenzene	20.2400	0.50	0.06	20.0000		101	70 - 131			
1,2,4-Trichlorobenzene	21.1100	0.50	0.07	20.0000		106	70 - 128			
1,2,4-Trimethylbenzene	21.9600	0.50	0.09	20.0000		110	74 - 142			
1,2-Dibromo-3-chloropropane	16.8700	0.50	0.20	20.0000		84.4	56 - 118			
1,2-Dibromoethane	20.2500	0.50	0.13	20.0000		101	73 - 122			
1,2-Dichlorobenzene	20.5400	0.50	0.12	20.0000		103	75 - 128			
1,2-Dichloroethane	18.4200	0.50	0.39	20.0000		92.1	70 - 131			
1,2-Dichloropropane	19.7500	0.50	0.47	20.0000		98.8	69 - 124			
1,3,5-Trimethylbenzene	21.5800	0.50	0.08	20.0000		108	73 - 144			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0672 - MSVOA_W (continued)										
LCS (B8B0672-BS1) - Continued					Prepared: 2/19/2018 Analyzed: 2/19/2018					
1,3-Dichlorobenzene	21.0300	0.50	0.13	20.0000		105	75 - 131			
1,3-Dichloropropane	18.9000	0.50	0.08	20.0000		94.5	70 - 122			
1,4-Dichlorobenzene	19.8200	0.50	0.18	20.0000		99.1	75 - 127			
2,2-Dichloropropane	23.9000	0.50	0.23	20.0000		120	68 - 151			
2-Chlorotoluene	21.2900	0.50	0.12	20.0000		106	72 - 138			
4-Chlorotoluene	21.0800	0.50	0.11	20.0000		105	72 - 140			
4-Isopropyltoluene	23.0400	0.50	0.12	20.0000		115	74 - 149			
Benzene	41.0400	0.50	0.21	40.0000		103	67 - 138			
Bromobenzene	20.4900	0.50	0.12	20.0000		102	73 - 127			
Bromodichloromethane	20.1600	0.50	0.32	20.0000		101	74 - 129			
Bromoform	19.2900	0.50	0.14	20.0000		96.4	63 - 131			
Bromomethane	17.6900	0.50	0.22	20.0000		88.4	57 - 216			
Carbon tetrachloride	21.8600	0.50	0.31	20.0000		109	77 - 151			
Chlorobenzene	20.5500	0.50	0.16	20.0000		103	73 - 125			
Chloroethane	21.7700	0.50	0.29	20.0000		109	54 - 154			
Chloroform	17.3500	0.50	0.16	20.0000		86.8	77 - 132			
Chloromethane	20.4900	0.50	0.19	20.0000		102	57 - 142			
cis-1,2-Dichloroethene	17.8700	0.50	0.39	20.0000		89.4	73 - 126			
cis-1,3-Dichloropropene	22.5200	0.50	0.08	20.0000		113	76 - 120			
Dibromochloromethane	21.2400	0.50	0.11	20.0000		106	71 - 126			
Dibromomethane	18.8800	0.50	0.09	20.0000		94.4	73 - 121			
Dichlorodifluoromethane	20.4400	0.50	0.31	20.0000		102	48 - 152			
Ethylbenzene	42.4200	0.50	0.08	40.0000		106	72 - 134			
Hexachlorobutadiene	22.0600	0.50	0.22	20.0000		110	72 - 139			
Isopropylbenzene	22.5300	0.50	0.10	20.0000		113	73 - 146			
m,p-Xylene	44.2200	1.0	0.18	40.0000		111	75 - 138			
Methylene chloride	20.8300	1.0	0.26	20.0000		104	52 - 154			
n-Butylbenzene	22.8300	0.50	0.15	20.0000		114	72 - 151			
n-Propylbenzene	21.9700	0.50	0.14	20.0000		110	69 - 149			
Naphthalene	18.8800	0.50	0.09	20.0000		94.4	61 - 122			
o-Xylene	45.2000	0.50	0.04	40.0000		113	66 - 147			
sec-Butylbenzene	22.4700	0.50	0.15	20.0000		112	72 - 148			
Styrene	22.8800	0.50	0.05	20.0000		114	72 - 138			
tert-Butylbenzene	21.9600	0.50	0.11	20.0000		110	70 - 145			
Tetrachloroethene	21.7000	0.50	0.18	20.0000		108	61 - 145			
Toluene	41.4300	0.50	0.14	40.0000		104	70 - 140			
trans-1,2-Dichloroethene	19.3800	0.50	0.15	20.0000		96.9	73 - 130			
Trichloroethene	21.1300	0.50	0.15	20.0000		106	69 - 126			
Trichlorofluoromethane	18.7000	0.50	0.33	20.0000		93.5	70 - 159			
Vinyl chloride	20.0900	0.50	0.25	20.0000		100	56 - 151			
Surrogate: 1,2-Dichloroethane-d4	*22.72*			*25.0000*		*90.9*	*70 - 166*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)		Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0672 - MSVOA_W (continued)										
LCS (B8B0672-BS1) - Continued						Prepared: 2/19/2018 Analyzed: 2/19/2018				
Surrogate: 4-Bromofluorobenzene	*25.37*			*25.0000*		*101*	*88 - 120*			
Surrogate: Dibromofluoromethan	*22.83*			*25.0000*		*91.3*	*80 - 150*			
Surrogate: Toluene-d8	*25.54*			*25.0000*		*102*	*87 - 121*			
LCS Dup (B8B0672-BSD1)						Prepared: 2/19/2018 Analyzed: 2/19/2018				
1,1,1,2-Tetrachloroethane	22.9000	0.50	0.13	20.0000		114	73 - 136	4.92	20	
1,1,1-Trichloroethane	23.6000	0.50	0.38	20.0000		118	73 - 143	5.75	20	
1,1,2,2-Tetrachloroethane	19.7800	0.50	0.20	20.0000		98.9	62 - 127	9.04	20	
1,1,2-Trichloroethane	18.8800	0.50	0.19	20.0000		94.4	72 - 122	4.35	20	
1,1-Dichloroethane	20.0500	0.50	0.20	20.0000		100	73 - 138	7.18	20	
1,1-Dichloroethene	19.9900	0.50	0.28	20.0000		100	74 - 132	5.18	20	
1,1-Dichloropropene	21.4200	0.50	0.36	20.0000		107	70 - 143	2.85	20	
1,2,3-Trichloropropane	18.4200	0.50	0.16	20.0000		92.1	66 - 119	8.78	20	
1,2,3-Trichlorobenzene	20.7400	0.50	0.06	20.0000		104	70 - 131	2.44	20	
1,2,4-Trichlorobenzene	21.4700	0.50	0.07	20.0000		107	70 - 128	1.69	20	
1,2,4-Trimethylbenzene	21.9800	0.50	0.09	20.0000		110	74 - 142	0.0910	20	
1,2-Dibromo-3-chloropropane	18.7900	0.50	0.20	20.0000		94.0	56 - 118	10.8	20	
1,2-Dibromoethane	20.3600	0.50	0.13	20.0000		102	73 - 122	0.542	20	
1,2-Dichlorobenzene	20.7100	0.50	0.12	20.0000		104	75 - 128	0.824	20	
1,2-Dichloroethane	18.7700	0.50	0.39	20.0000		93.8	70 - 131	1.88	20	
1,2-Dichloropropane	18.9700	0.50	0.47	20.0000		94.8	69 - 124	4.03	20	
1,3,5-Trimethylbenzene	21.8700	0.50	0.08	20.0000		109	73 - 144	1.33	20	
1,3-Dichlorobenzene	20.9100	0.50	0.13	20.0000		105	75 - 131	0.572	20	
1,3-Dichloropropane	20.2600	0.50	0.08	20.0000		101	70 - 122	6.95	20	
1,4-Dichlorobenzene	20.2100	0.50	0.18	20.0000		101	75 - 127	1.95	20	
2,2-Dichloropropane	24.9900	0.50	0.23	20.0000		125	68 - 151	4.46	20	
2-Chlorotoluene	21.3000	0.50	0.12	20.0000		106	72 - 138	0.0470	20	
4-Chlorotoluene	21.3100	0.50	0.11	20.0000		107	72 - 140	1.09	20	
4-Isopropyltoluene	23.2700	0.50	0.12	20.0000		116	74 - 149	0.993	20	
Benzene	39.8900	0.50	0.21	40.0000		99.7	67 - 138	2.84	20	
Bromobenzene	21.0100	0.50	0.12	20.0000		105	73 - 127	2.51	20	
Bromodichloromethane	20.2900	0.50	0.32	20.0000		101	74 - 129	0.643	20	
Bromoform	20.5500	0.50	0.14	20.0000		103	63 - 131	6.33	20	
Bromomethane	17.6900	0.50	0.22	20.0000		88.4	57 - 216	0.00	20	
Carbon tetrachloride	21.6500	0.50	0.31	20.0000		108	77 - 151	0.965	20	
Chlorobenzene	20.5100	0.50	0.16	20.0000		103	73 - 125	0.195	20	
Chloroethane	21.7000	0.50	0.29	20.0000		108	54 - 154	0.322	20	
Chloroform	18.2300	0.50	0.16	20.0000		91.2	77 - 132	4.95	20	
Chloromethane	19.6600	0.50	0.19	20.0000		98.3	57 - 142	4.13	20	
cis-1,2-Dichloroethene	18.6100	0.50	0.39	20.0000		93.0	73 - 126	4.06	20	
cis-1,3-Dichloropropene	22.3800	0.50	0.08	20.0000		112	76 - 120	0.624	20	
Dibromochloromethane	22.7500	0.50	0.11	20.0000		114	71 - 126	6.87	20	

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0672 - MSVOA_W (continued)										
LCS Dup (B8B0672-BSD1) - Continued					Prepared: 2/19/2018 Analyzed: 2/19/2018					
Dibromomethane	18.3800	0.50	0.09	20.0000		91.9	73 - 121	2.68	20	
Dichlorodifluoromethane	20.3100	0.50	0.31	20.0000		102	48 - 152	0.638	20	
Ethylbenzene	41.9100	0.50	0.08	40.0000		105	72 - 134	1.21	20	
Hexachlorobutadiene	23.0600	0.50	0.22	20.0000		115	72 - 139	4.43	20	
Isopropylbenzene	22.7000	0.50	0.10	20.0000		114	73 - 146	0.752	20	
m,p-Xylene	43.0300	1.0	0.18	40.0000		108	75 - 138	2.73	20	
Methylene chloride	20.8800	1.0	0.26	20.0000		104	52 - 154	0.240	20	
n-Butylbenzene	22.7500	0.50	0.15	20.0000		114	72 - 151	0.351	20	
n-Propylbenzene	22.3000	0.50	0.14	20.0000		112	69 - 149	1.49	20	
Naphthalene	19.8400	0.50	0.09	20.0000		99.2	61 - 122	4.96	20	
o-Xylene	44.1500	0.50	0.04	40.0000		110	66 - 147	2.35	20	
sec-Butylbenzene	22.6300	0.50	0.15	20.0000		113	72 - 148	0.710	20	
Styrene	21.9200	0.50	0.05	20.0000		110	72 - 138	4.29	20	
tert-Butylbenzene	22.6100	0.50	0.11	20.0000		113	70 - 145	2.92	20	
Tetrachloroethene	21.7900	0.50	0.18	20.0000		109	61 - 145	0.414	20	
Toluene	39.0400	0.50	0.14	40.0000		97.6	70 - 140	5.94	20	
trans-1,2-Dichloroethene	19.2600	0.50	0.15	20.0000		96.3	73 - 130	0.621	20	
Trichloroethene	21.2900	0.50	0.15	20.0000		106	69 - 126	0.754	20	
Trichlorofluoromethane	19.7400	0.50	0.33	20.0000		98.7	70 - 159	5.41	20	
Vinyl chloride	20.2000	0.50	0.25	20.0000		101	56 - 151	0.546	20	
Surrogate: 1,2-Dichloroethane-d4	*23.77*			*25.0000*		*95.1*	*70 - 166*			
Surrogate: 4-Bromofluorobenzene	*25.24*			*25.0000*		*101*	*88 - 120*			
Surrogate: Dibromofluoromethan	*24.29*			*25.0000*		*97.2*	*80 - 150*			
Surrogate: Toluene-d8	*24.12*			*25.0000*		*96.5*	*87 - 121*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

1,4-Dioxane by EPA 8270: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0803 - MSSEMI_W										
Blank (B8B0803-BLK1)					Prepared: 2/22/2018 Analyzed: 2/28/2018					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*53.49*			*100.000*		*53.5*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*66.24*			*100.000*		*66.2*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*87.96*			*100.000*		*88.0*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*55.98*			*100.000*		*56.0*	*19 - 111*			
LCS (B8B0803-BS1)					Prepared: 2/22/2018 Analyzed: 2/28/2018					
1,4-Dioxane	14.8400	2.0	0.84	100.000		14.8	85 - 121			L2
Surrogate: 1,2-Dichlorobenzene-d	*58.39*			*100.000*		*58.4*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*93.50*			*100.000*		*93.5*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*89.53*			*100.000*		*89.5*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*64.20*			*100.000*		*64.2*	*19 - 111*			
LCS Dup (B8B0803-BSD1)					Prepared: 2/22/2018 Analyzed: 2/28/2018					
1,4-Dioxane	15.3100	2.0	0.84	100.000		15.3	85 - 121	3.12	20	L2
Surrogate: 1,2-Dichlorobenzene-d	*59.25*			*100.000*		*59.2*	*17 - 101*			
Surrogate: 2-Fluorobiphenyl	*89.76*			*100.000*		*89.8*	*29 - 109*			
Surrogate: 4-Terphenyl-d14	*96.50*			*100.000*		*96.5*	*49 - 122*			
Surrogate: Nitrobenzene-d5	*69.15*			*100.000*		*69.2*	*19 - 111*			

Certificate of Analysis

Hargis & Associates, Inc.	Project Number : Raytheon Main GETS Mid Month Sample
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 04/25/2018

1,4-Dioxane by EPA 8270/SIM: Isotope Dilution Technique - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B8B0804 - MSSEMI_W										
Blank (B8B0804-BLK1)					Prepared: 2/22/2018 Analyzed: 2/22/2018					
1,4-Dioxane	ND	0.20	0.11							
Surrogate: 1,2-Dichlorobenzene-d	*0.7971*			*1.00000*		*79.7*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.7875*			*1.00000*		*78.8*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.9422*			*1.00000*		*94.2*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.6633*			*1.00000*		*66.3*	*17 - 123*			
LCS (B8B0804-BS1)					Prepared: 2/22/2018 Analyzed: 2/22/2018					
1,4-Dioxane	1.16942	0.20	0.11	1.00000		117	61 - 166			
Surrogate: 1,2-Dichlorobenzene-d	*0.8595*			*1.00000*		*85.9*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8501*			*1.00000*		*85.0*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8540*			*1.00000*		*85.4*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7075*			*1.00000*		*70.8*	*17 - 123*			
LCS Dup (B8B0804-BSD1)					Prepared: 2/22/2018 Analyzed: 2/22/2018					
1,4-Dioxane	1.21640	0.20	0.11	1.00000		122	61 - 166	3.94	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.8265*			*1.00000*		*82.6*	*32 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8489*			*1.00000*		*84.9*	*29 - 105*			
Surrogate: 4-Terphenyl-d14	*0.8790*			*1.00000*		*87.9*	*32 - 119*			
Surrogate: Nitrobenzene-d5	*0.7028*			*1.00000*		*70.3*	*17 - 123*			

Certificate of Analysis

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San Diego , CA 92122	Reported : 04/25/2018

Notes and Definitions

L2	Laboratory control sample outside of acceptance limits. Reextraction and/or reanalysis is not possible due to limited amount of sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY ▪ ENGINEERING

Date: 2/15/2018
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PROJECT: Raytheon Main GETS Mid Month Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Steve Stewart
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ross Horton

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: Nitric Acid (HNO_3)	PRESERVATION:	PRESERVATION: Sulfuric Acid (H_2SO_4)	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 125 mL Poly	CONTAINERS: 250 mL Poly	CONTAINERS: 250 mL Glass	CONTAINERS: 1 L Poly	CONTAINERS: 1L Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	Bromate by EPA 317	Bromide by EPA 300	Alkalinity by SM2320B	Total Organic Carbon by SM5310B	Total Suspended Solids by SM2540D	UV Absorption EPA 415.3 @254 nm	1,4-Dioxane by EPA 8270C MOD	1,4-Dioxane by EPA 8270C SIM	Expected Concentration Range (ppb) for: 0 - 10	10 - 100	100 - 1,000	>1,000		SPECIAL HANDLING: 24 hr TAT	48 Hour TAT	5 Day TAT	Level IV Data Validation Requested	MS/MSD Requested	REMARKS
1800690-01	TB-021518	2/15/2018	8:00		X	X				X	2						X									X							X			
-02	CEFF	2/15/2018	9:00	X		X				X	3					1	X								X	X							X			
-03	CBT	2/15/2018	9:10	X		X				X	3					1	X								X	X							X			
-04	POX	2/15/2018	9:20	X		X				X	3					1	X								X	X							X			
-05	INF	2/15/2018	9:30	X		X				X	3					1	X							X				X					X			
-06	EW-02	2/15/2018	10:20	X		X				X	3					1	X							X			X						X			
-07	MW-29	2/15/2018	10:00	X		X				X	3					1	X							X				X					X			
Total number of containers per analysis:											20					6																				

Total No. of Containers: 26

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
R. Horton / H+A	2/15/18 10:30	[signature]	2/15/18 10:30
[signature]	2/15/18 15:49	[signature] MTL	2/15/18 15:49

- ☐ No. of containers correct
- ☐ Received in good condition
- ☐ Custody seals secure
- ☐ Conforms to COC document

1.2° IR Temperature on receipt

Laboratory

Adcanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto
9171 Towne Centre Drive
Suite 275
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com

Instructions

1. Fill out form completely and sign only after verified for completeness
2. Complete in ballpoint pen. Draw one line through error, initial and date correction
3. Indicate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

APPENDIX B

GROUNDWATER SAMPLING FIELD FORMS

FEBRUARY 2018

BIENNIAL GROUNDWATER MONITORING

FIELD NOTEBOOK

LOW VOLUME MONITOR WELLS

RAYTHEON COMPANY

532.30

1901 MALVERN AVE.
FULLERTON, CALIFORNIA

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/26/18

Location: FULLERTON, CA

Presented by: TJE

A. GENERAL INTRODUCTION

1. Location of site Health and Safety Plan (HSP) and ensure everyone has read the site HSP.
2. Primary hazards and controls (chemical, physical, and biological).
3. Sanitation and decontamination (potable water, nonpotable water, toilet, sink, shower).
4. General Site Rules.
5. Emergency Response Plan (location where emergency telephone numbers and hospital route posted, shower, first aid kit, fire extinguisher, alarm system, evacuation, meeting place, contingencies, upwind).
6. Establish buddy system.

B. SPECIFIC PRECAUTIONS FOR DAY'S ACTIVITIES Go over the hospital route daily; wear traffic vests, use safety cones, and be aware of traffic whenever in or near the roadways; wear sunscreen and hydrate well; wear gloves and take appropriate precautions when handling contaminated groundwater; watch for black widow spiders in vaults. Notify your supervisor and field partner of any issues.

C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Tyler Evans	TJE	HARGIS + ASSOC., INC	2/26/18
Andrew Donnelly	ADonnelly	HARGIS + ASSOC., INC	2/26/18
Nadja Scholl	NScholl	HARGIS + ASSOC., INC	2/26/18
Christian Diaz	CDiaz	H+A	2/26/18

Driving Directions

Starting from: ❶ Raytheon Site: 1901 W. Malvern Ave., Fullerton, California 92833-2177

Arriving at: ❷ St. Jude Medical Center: 101 E. Valencia Mesa, Fullerton, California 92835-3809

Distance: 2.4 miles **Approximate Travel Time:** 5 minutes

Directions		Miles	
1.	Start on **MALVERN AVE**	0.1	↑
2.	Turn Left on **W BASTANCHURY RD**	2.2	↰
3.	Turn Right on **N HARBOR BLVD**	0.2	↱
4.	Turn Left on **E VALENCIA MESA DR**	0.0	↰
Distance: 2.4 miles **Approximate Travel Time:** 5 minutes			

FIGURE 9

ROUTE TO HOSPITAL

INSTRUMENT CALIBRATION LOG FOR GROUNDWATER SAMPLING: Temp + pH + EC + DO + ORP

DATE	TIME	pH BUFFER	pH READING	TEMP of Soln (C)	METER TYPE	EC STANDARD (mS/cm)	EC READ-ING (mS/cm)	DO READ-ING (mg/l)	ORP READ-ING (mV)	COMMENTS/ TEMP OR ALTITUDE CORRECTION FACTOR	INITIALS
2/28/18	7:56	10.0	9.95	9.5	YSI PRO+						AMD
	8:01	4.0	6.95	9.3	↓						
	8:06	7.0	7.13	9.7	↓						
		-	-	8.9		1413					

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: FEBRUARY 2018

METHOD OF MEASUREMENT/SOUNDER IDENTIFIER: FLAT TAPE ELECTRIC SOUNDER # 267217

PROJECT NUMBER: 532.30

WELL IDENTIFIER	DATE	TIME	MEASURING POINT	DEPTH TO WATER FROM REFERENCE POINT (+feet)	REFERENCE POINT ELEVATION (ft msl)	WATER LEVEL ELEVATION (ft msl)	NOVEMBER 2017 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
P-07	02/ /17				142.31		111.50			
P-09	02/26/17	10:29	TOC	~~120.77~~	183.86	63.09	120.83	+0.06		AMD/CVD
MW-06	02/26/17	10:31	TOC	148.68	~~181.29~~ 184.70 AMD	~~32.61~~ 36.02 AMD	156.32	+7.64		AMD/CVD
MW-08	02/ /17				155.91		138.67			
MW-09	02/26/17	10:40	TOC	147.29	180.10	32.81	157.61	-10.32		AMD/CVD
MW-13	02/26/17	10:05	TOC	113.66	141.84	28.18	118.28	+4.62		AMD/CVD
MW-15	02/ /17				144.95		140.75			
MW-16	02/ /17				142.40		119.82			
MW-17	02/26/17	10:14	TOC	113.61	142.70	29.09	118.34	+4.73		AMD/CVD
MW-18	02/26/17	10:10	TOC	114.03	142.32	28.29	118.79	+4.76		↓
MW-19	02/26/17	10:18	TOST	113.63	142.06	28.43	118.44	+4.81		↓
MW-20	02/26/17	10:35	TOC	144.15	184.19	40.04	154.35	+10.20		↓
MW-21	02/ /17				141.18		121.00		Totalizer: Pumping?	
MW-22	02/26/17	8:30	TOST	110.33	138.65	28.32	114.81	+4.48		AMD/CVD
MW-23	02/26/17	9:33	TOST	110.54	137.33	26.79	114.49	+3.95		↓
MW-24	02/ /17				142.83		119.80			
MW-25	02/ /17				142.64		114.55			
MW-26A	02/26/17	9:28	TOC	113.57	137.04	23.47	126.20	+12.63	Double checked.	AMD/CVD
MW-26B	02/26/17	9:29	TOC	120.25	137.05	16.80	132.05	+11.80		↓
MW-26C	02/26/17	9:23	TOC	110.90	137.22	26.32	114.02	+3.12		↓

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: FEBRUARY 2018

METHOD OF MEASUREMENT/SOUNDER IDENTIFIER: FLAT TAPE ELECTRIC SOUNDER #_____

PROJECT NUMBER: 532.30

WELL IDENTIFIER	DATE	TIME	MEASURING POINT	DEPTH TO WATER FROM REFERENCE POINT (+feet)	REFERENCE POINT ELEVATION (ft msl)	WATER LEVEL ELEVATION (ft msl)	NOVEMBER 2017 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-27	02/26/17	8:34	TOST	110.37	137.16	26.79	113.41	+3.04		AMD/CVD
MW-28	02/26/17	10:00	TOST	~~114.20~~	140.77	26.57	118.60	+4.40		↓
MW-29	02/ /17				139.81		155.05 P		Totalizer: Pumping?	
MW-30A	02/ /17				129.44		106.92			
MW-30B	02/ /17				129.39		105.65			
MW-31	02/ /17				119.60		94.00			
MW-32A	02/ /17				92.88		68.04			
MW-32B	02/ /17				92.89		68.70			
MW-32C	02/ /17				92.88		67.94			
MW-33	02/ /17				83.19		59.82			
MW-34A	02/26/17	12:53	TOST	~~131.33~~ ~~132.05~~ 130.75	153.25	21.92	135.02	-3.69		AMD/CVD
MW-34B	02/26/17	12:51	TOST	~~132.05~~ 132.05	153.11	22.36	133.16	-2.41		↓
MW-34C	02/26/17	13:04	TOST	~~130.75~~	153.29	21.24	131.75	-0.30		↓
MW-35A	02/ /17				93.57		65.62			
MW-35B	02/ /17				93.56		71.52			
MW-35C	02/ /17				93.55		67.44			
MW-36	02/26/17	10:54	TOST	72.25	86.65	14.40	65.10	-7.15		AMD/CVD
MW-37	~~02/ /17~~ 3/2/18	11:04	TOST	124.82	155.60	30.78	131.14	-6.32		↓
MW-38	~~02/ /17~~ 3/2/18	11:06	TOST	137.85	154.90	17.05	143.85	-6.00		↓
MW-39	02/26/17	11:15	TOST	70.59	84.25	13.66	62.93	-7.66		AMD/CVD
MW-40	02/ /17				123.40		95.36			

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: FEBRUARY 2018

METHOD OF MEASUREMENT/SOUNDER IDENTIFIER: FLAT TAPE ELECTRIC SOUNDER #_____

PROJECT NUMBER: 532.30

WELL IDENTIFIER	DATE	TIME	MEASURING POINT	DEPTH TO WATER FROM REFERENCE POINT (+feet)	REFERENCE POINT ELEVATION (ft msl)	WATER LEVEL ELEVATION (ft msl)	NOVEMBER 2017 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-41	~~Jan~~ 2 /18	10:15	TOST	137.20	155.60	18.40	136.41	0.79		AMD/CVD
EW-01	02/ /17				141.07		117.81		SOUNDING TUBE TO 172.65 Totalizer: Pumping?	↓
EW-02	02/ /17				132.97		116.26 P		Totalizer: Pumping?	

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC

FEBRUARY 2018 GROUNDWATER SAMPLE PLAN
TEAM 2

QA/QC	DAYS	Total VOC's	1,4-Dioxane	APROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2018 SAMPLING SCHEDULE	SAMPLE METHOD
MS/MSD (M)	M	2.4	< 2.0	189	30	EW-01	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
SPT/DUP	M	1536.3	120 E	437	30	~~MW-24~~	Water Table; BC	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
	Tu	0	< 0.20	163	25	~~MW-35A~~	Other	VOCs; 1,4-Dioxane	Ded.240V
	Tu	0	< 0.20	661	50	~~MW-35B~~	AB	VOCs; 1,4-Dioxane	Ded.240V
	Tu	0	< 0.20	1190	95	~~MW-35C~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	Tu	0	< 0.20	863	65	MW-39	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
MS/MSD (W)	W	0	< 0.20	812	85	~~MW-32A~~	Deep; AB	VOCs; 1,4-Dioxane	Ded 320V
	W	0	< 0.20	996	110	~~MW-32C~~	Water Table; C	VOCs; 1,4-Dioxane	Ded 320V
1.55V	W	8.02	< 0.20	890	85	MW-33	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	W	90.94	1.6	819	85	~~MW-32B~~	Deep; B	VOCs; 1,4-Dioxane	Ded 320V
1.55V MS/MSD (Th)	Th	88.06	7.5	976	95	MW-36	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded.240V
	Th	0	< 0.20	651	50	MW-37	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	Th	0	< 0.20	84	25	MW-38	Deep; A	VOCs; 1,4-Dioxane	Ded.240V
SPT/DUP	Th	122.31	18	145	30	MW-41	Deep; B	VOCs; 1,4-Dioxane	Ded.240V

SPT/DUP

SPT/DUP MS/MSD

NOTE
1 = Day - # refers to the day scheduled to sample and the corresponding dedicated pipestand to use: ND=1; 0-10=2; 10 - 100=3; >100=4
A **MS** and **MSD** (3x40ml VOA and 1L amber) should be collected every day/ alternating 1,4-Dioxane methods as indicated.
1,4-Dioxane analysis method is 8270 SIM unless specified otherwise (if historical detect is > 5.0 ug/l MOD is used).
Wells with dedicated pumps should follow concentration order when possible.

HARGIS + ASSOCIATES, INC.

FEBRUARY 2018 GROUNDWATER SAMPLE PLAN
TEAM 1

QA/QC	DAYS	Total VOC's	1,4-Dioxane	APROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2018 SAMPLING SCHEDULE	SAMPLE METHOD	
	UPPER RAYTHEON MAIN MONTOR WELLS									
	Tu	1.46	0.81 U	67	30	~~MW-20~~	Water Table; D	VOCs; 1,4-Dioxane	Redi-Flo	
	Tu	0.27	< 0.20	11 1	70	~~MW-09~~	Water Table; C	VOCs; 1,4-Dioxane	Bail	
	Tu	0.94	NA	6.5	25	~~MW-06~~	Water Table; D	VOCs	Bail	→ REDI-FLO
MS/MSD (Tu)	Tu	2	1.4	114	50	~~MW-18~~	Deep; A	VOCs; 1,4-Dioxane	Redi-flo	
	Tu	3.7	< 0.20	20	40	~~P-09~~	Perched Zone	VOCs; 1,4-Dioxane	Redi-flo	RB
	CENTRAL (MALL AREA) RAYTHEON MAIN MONTOR WELLS									
	W	7 8	< 0.20	11	15	~~MW-13~~	C	VOCs; 1,4-Dioxane	Redi-flo	
	W	0	NA	128	20	MW-19	Deep; A	VOCs	Ded.240V	
	W	0	< 0.20	196	30	~~MW-22~~	Deep; A	VOCs; 1,4-Dioxane	Ded.240V	
	W	0	NA	207	30	~~MW-29~~	Deep; A	VOCs	Ded.240V	
	W	0	< 0.20	188	50	~~MW-26C~~	Deep; B	VOCs; 1,4-Dioxane	Redi-Flo	
	W	0	< 0.20	120	20	MW-27	Deep; B	VOCs; 1,4-Dioxane	Ded.240V	
	W	0	< 0.20	95	20	MW-28	Deep; B	VOCs; 1,4-Dioxane	Ded.240V	
	APARTMENT COMPLEX RAYTHEON MAIN MONTOR WELLS									
	Th	10.9	NA	15	10	~~MW-15~~	Water Table; AB	VOCs	Redi-flo	RB
	Th	243.19	0.16 J	15.5	20	MW-08	Water Table; BC	VOCs; 1,4-Dioxane	Redi-flo	
	Th	0	< 0.20	60	15	MW-06A	Deep; B	VOCs; 1,4-Dioxane	Ded.240V	
	Th	0	< 0.20	396	40	~~MW-24~~	Deep; C	VOCs; 1,4-Dioxane	Ded.240V	
SPT/DUP	Th	109.2	< 0.20	132	30	~~MW-30B~~	Deep; BC	VOCs; 1,4-Dioxane	Ded.240V	SPT/DUP
	Th	2141.8	1300	1	SLOW	~~P-07~~	Perched Zone	VOCs; 1,4-Dioxane (8270 MOD)	Bail	
SPT/DUP	Th	984.5	57	78	35	MW-16	Water Table; B	VOCs; 1,4-Dioxane (8270 MOD)	Redi-flo	SPT/DUP

NOTES

A **MS** and **MSD** (3x40ml VOA and 1L amber) should be collected every day/ alternating 1,4-Dioxane methods as indicated.
1,4-Dioxane analysis method is 8270 SIM unless specified otherwise (if historical detect is > 5.0 ug/l MOD is used).
1 = Day - # refers to the day scheduled to sample and the corresponding dedicated pipestand to use: ND=1; 0-10=2; 10 - 100=3; >100=4
Wells with dedicated pumps should follow concentration order when possible.

RB = Rinsate blank taken on non-dedicated equipment each day- will vary with schedule and should be confirmed with both teams each morning.

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 532.30 WELL ID: MW-15

Time 14:08 Static DTW (ft below reference point)	126.97	Casing Volume (CV) (gallons) 7.14	3 CV (gallons) 21.4	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	170.8	Purging Device Grundfos	Sampling Device ded. tubing	Time 14:08 Temp. 65	Begin Purge 14:14 End Purge 14:52
Water Column (feet)	43.83	Pump: Depth (ft brp) 167 Type MPI	Voltage 115 HP 0.5	Skies cloudy	Gallons Purged 21 CVs Purged 3.0
Casing Capacity (Diameter 2") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 0 From —	DTW (ft brp) 129.14 Time 14:32

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°)	pH	EC (S/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
14:14	126.97	∅	∅	←		PUMP ON				→	
14:16	128.99	2	0.28	21.1	7.55	1581	9.6	5.90	21.6	305	Q ≈ 1 gpm
14:18	129.00	4	0.56	21.7	7.56	1546	11.7	6.60	16.3	305	
14:20	129.06	6	0.84	22.6	7.47	1548	13.2	6.03	15.4	305	
14:26	129.10	12	1.68	22.1	7.41	1580	21.6	5.43	14.5	305	
14:32	129.14	18	2.52	22.3	7.42	1578	18.1	6.33	2.48	305	
14:36	NM	21	3.0	22.3	7.44	1573	19.1	6.03	3.66	305	SAMPLE
14:37	NM	21	←			PUMP	OFF			→	

SAMPLE COLLECTION SAMPLE TIME 14:36

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? (Y) N
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

RB-022718 @ 15:05 → 3 VOAs for 8260B

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 532.30 WELL ID: MW-09

Time 9:30 Static DTW (ft below reference point)	147.30	Casing Volume (CV) (gallons) 7.12	3 CV (gallons) 21.3
Casing Total Depth (ft below reference point)	191	Purging Device QuiKE bailer	Sampling Device bailer
Water Column (feet)	43.7	Pump: Depth (ft brp) -	Type - Voltage - HP -
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow x	Fast

Weather Conditions: Time 9:30 Temp. 65; Skies clear; Wind (mph) 0 From -

Initials: AMD/CVP; Begin Purge 9:33 End Purge 11:06; Gallons Purged 16 CVs Purged 2.24; DTW (ft brp) 147.32 Time 11:01

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
9:33	147.30	Ø	Ø			BEGIN BAILING					
9:50	NM	1	0.14	19.9	7.13	2169	130.4	3.55	31.3	-	
10:40	NM	10	1.46	19.1	7.45	1897	51.5	2.61	28.3	-	
11:01	147.32	15	2.11	20.5	7.52	1800	33.8	3.37	25.6	-	
11:06	NM	16	2.24	20.6	7.47	1793	36.3	3.28	15.8	-	COLLECT SAMPLE
11:06	NM	16	2.24			END	BAILING				

SAMPLE COLLECTION SAMPLE TIME 11:06

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 5323.0 WELL ID: MW-08

Time 15:08 Static DTW (ft below reference point)	127.80	Casing Volume (CV) (gallons) 6.24	3 CV (gallons) 18.7	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	166.1	Purging Device grundfos	Sampling Device ded. tubing	Time 1508 Temp. 60	Begin Purge 15:24 End Purge 15:51
Water Column (feet)	38.3	Pump: Depth (ft brp) 163 Type MP1	Voltage 115 HP 0.5	Skies cloudy	Gallons Purged 21 CVs Purged 3.2
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 0-5 From W	DTW (ft brp) 129.04 Time 15:30

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (S/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
15:24	127.80	Ø	Ø	—	—	PUMP	ON	—	—	—	
15:26	128.93	3	0.48	20.3	7.35	1804	26.8	5.63	19.3	277	Q ≅ 1.5 gpm
15:29	129.01	4	0.64	20.8	7.63	1792	22.6	7.56	16.4	277	
15:30	129.04	6	0.96	—	—	PUMP	TURNED	OFF	—	—	
15:37	—	—	—	—	—	—	PUMP ON	—	—	—	
15:39	NM	7	1.12	22.1	7.36	1952	24.8	6.91	7.50	283	Sounder stuck in well, Q ≅ 1 gpm
15:43	NM	14	2.24	23.0	7.33	1940	26.3	6.00	5.67	283	
15:47	NM	18	3.0	23.4	7.32	1959	28.3	6.26	3.01	283	SAMPLE @ 15:51
15:51	NM	21	3.2	←	—	PUMP	OFF	—	—	→	

SAMPLE COLLECTION SAMPLE TIME 15:51

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: ~~2/20/18~~ 3/1/18 TASK: 532.30 WELL ID: MW-06

Time ~~9:30~~ 1330 Static DTW (ft below reference point)	149.00	Casing Volume (CV) (gallons) 6.51	3 CV (gallons) 19.5	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	188.92	Purging Device Grundfos	Sampling Device ded. tubing	Time 1330 Temp. 70	Begin Purge 1343 End Purge 14:11
Water Column (feet)	39.92	Pump: Depth (ft brp) 186 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 19 CVs Purged 2.91
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 3 From W	DTW (ft brp) 166.95 Time 14:09

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
13:43	149.00	0	0	PUMP ON							
13:45	NM	2.5	0.38	21.07	9.13	1.52	177	7.18	158	299	Q = 0.75
13:48	164.64	5	0.77	22.38	8.33	1.51	170	5.13	140	299	
13:50	165.81	~~8~~ 7	1.08	22.60	7.70	1.51	165	5.01	25.8	299	
13:57	166.73	~~12~~ 10	1.54	23.09	7.49	1.53	149	4.92	11.6	299	
14:02	166.87	14	2.15	23.46	7.60	1.55	141	5.09	6.7	299	
14:06	166.90	17	2.61	23.54	7.53	1.55	137	5.31	4.5	299	
14:09	166.95	19	2.91	23.59	7.49	1.55	143	5.34	4.1	299	
14:11	NM	21	3.23	PUMP OFF							

SAMPLE COLLECTION SAMPLE TIME 14:16

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

VOCs only. Installed new tubing into well

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.36 WELL ID: P-09

Time 9:53 Static DTW (ft below reference point)	120.86	Casing Volume (CV) (gallons) 6.03	3 CV (gallons) 18.09	Weather Conditions	Initials: AMD / CVD
Casing Total Depth (ft below reference point)	130	Purging Device Grundfos	Sampling Device ded. tubing	Time 9:53 Temp. 70	Begin Purge 10:08 End Purge 10:37
Water Column (feet)	9.14	Pump: Depth (ft brp) 128' Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 20 CVs Purged 3.31
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X		Wind (mph) — From —	DTW (ft brp) 124.77 Time 10:27

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
10:08	120.86	0	0	~~21.9~~	—	PUMP ON	—	—	—		
10:11	122.70	2.25	0.37	21.9	7.59	2536	54.2	4.17	3.57	287	Q = 0.75 gpm
10:14	122.73	4.50	0.75	23.1	7.51	3321	55.1	3.79	2.86	287	
10:15	122.76	5.25	0.87	24.0	7.48	3541	52.6	4.18	3.11	287	PUMP SHUT OFF
10:19	NM	—	0.87	←	—	PUMP TURNED ~~OFF~~ ON	—	—	→		
10:20	122.81	7	1.16	24.1	7.47	3551	52.7	4.18	2.32	287	Q ≈ 0.75 gpm
10:23	124.35	10	1.65	23.7	7.55	3641	48.5	4.24	2.67	287	
10:27	124.77	13	2.15	23.1	7.55	3602	48.5	3.85	0.38	287	
10:35	NM	19	3.15	23.2	7.54	3611	46.3	4.01	0.91	287	SAMPLE
10:37	NM	20	3.31	←	—	PUMP OFF	—	—	→		

SAMPLE COLLECTION SAMPLE TIME 10:35

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / ~~BLANKS~~? (Y) N
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

RB-022818 @ 10:55 → 3 VOAs 8260B
1 1L amber 8270 SIM

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 532.30 WELL ID: P-07

Time 12:08 Static DTW (ft below reference point)	110.86	Casing Volume (CV) (gallons) 0.90	3 CV (gallons) 2.69	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	116.38	Purging Device QuiKE bailer	Sampling Device bailer	Time 12:04 Temp. 70	Begin Purge 12:24 End Purge 12:45
Water Column (feet)	5.52	Pump: Depth (ft brp) -	Type - Voltage - HP -	Skies cloudy	Gallons Purged 1.1 CVs Purged 1.22
Casing Capacity (Diameter 2") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow X	Fast	Wind (mph) 0-5 From W	DTW (ft brp) 111.14 Time 8:40

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (S/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
12:24	110.86	Ø	Ø	—	—	Begin	Bailing	—	—	—	
12:30	NM	0.3	0.33	26.5	7.68	2250	42.7	5.09	532	-	
12:41	NM	0.6	0.67	20.5	~~7.48~~	2208	40.3	6.23	750	-	
12:45	114.66	1.0	1.11	20.6	7.43	2193	39.8	5.83	890	-	
12:50	115.81	1.1	1.22	WELL	DRY	—	—	—	—	—	
8:40	111.14	1.1	1.22	~~20.5~~	~~6.88~~ 7.94 AMD 2/28/18	2637	64.3	5.13	110	-	SAMPLE ON 2/28/18

SAMPLE COLLECTION SAMPLE TIME 8:40

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane	1	1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-18

Time 12:35 Static DTW (ft below reference point)	114.66	Casing Volume (CV) (gallons) 52.43 3 CV (gallons) 157.29	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	194.10	Purging Device Grundfos Sampling Device ded tubing	Time 1230 Temp. 60	Begin Purge 1247 End Purge 1358
Water Column (feet)	79.44	Pump: Depth (ft brp) 192 Type MP1 Voltage 115 HP 0.5	Skies clear	Gallons Purged 158 CVs Purged 3.0
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Wind (mph) 0 From -	DTW (ft brp) 134.30 Time 13:55

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
12:47	114.66	Ø	Ø	PUMP ON							
12:57	126.48	20	0.38	21.66	7.54	1.41	51	4.68	5.3	297	Q = 2 gpm
13:09	130.78	44	0.85	21.95	7.33	1.41	77	4.33	2.0	297	
13:15	NM	56	1.06	PUMP TURNED OFF							
13:20	NM	-	-	PUMP ON							
13:26	133.12	74	1.42	21.80	7.41	1.43	115	6.69	1.0	305	Q = 3 gpm
13:30	NM	-	-	PUMP TURNED OFF							
13:33	NM	-	-	PUMP ON							Q = 2.5 gpm
13:42	132.95	124	2.63	21.92	7.19	1.43	123	5.83	1.6	303	
13:48	134.00	139	2.65	21.95	7.20	1.43	128	5.27	0.6	303	
13:55	134.30	158	3.0	21.90	7.20	1.43	131	5.24	0.6	303	SAMPLE @ 1356, PUMP OFF 1357

SAMPLE COLLECTION SAMPLE TIME 13:56

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-20

Time 14:42 Static DTW (ft below reference point)	144.35	Casing Volume (CV) (gallons) 35.54 3 CV (gallons) 106.62	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	198.20	Purging Device Grundfos Sampling Device ded tubing	Time 1442 Temp. 60	Begin Purge 14:55 End Purge 16:07
Water Column (feet)	53.85	Pump: Depth (ft brp) 196 Type MP1 Voltage 115 HP 0.5	Skies clear	Gallons Purged 106 CVs Purged 3.0
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Wind (mph) 5 From S	DTW (ft brp) 148.51 Time 16:07

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
14:55	144.35	ø	ø	—	—	PUMP	ON	—	—	—	
15:00	148.63	7.5	0.21	22.83	8.08	0.949	195	3.08	18.4	301	Q = 1.5 gpm
15:17	148.81	33	0.92	23.18	7.84	0.925	173	4.46	3.1	301	
15:30	148.92	53	1.5	23.55	7.65	0.920	166	3.20	1.7	301	
15:41	149.00	70	2.0	22.84	7.70	0.925	160	2.42	3.5	301	
15:49	149.03	82	2.3	22.80	7.66	0.931	156	4.36	7.1	301	
16:01	149.04	100	2.8	22.91	7.73	0.929	153	4.20	3.89	301	
16:06	149.05	106	3.0	23.33	7.75	0.928	149	4.17	3.61	301	
16:07	148.51	106	3.0	—	—	PUMP	OFF	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 16:06

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 532.30 WELL ID: MW-26C

Time 8:30 Static DTW (ft below reference point)	110.72	Casing Volume (CV) (gallons) 63.2	3 CV (gallons) 189	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	499	Purging Device Grundfos	Sampling Device ded tubing	Time 825 Temp. 65	Begin Purge 8:35 End Purge 9:54
Water Column (feet)	388.28	Pump: Depth (ft brp) 200 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 192 CVs Purged 3.0
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow ____	Fast X	Wind (mph) - From -	DTW (ft brp) 111.65 Time 9:50

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
8:35	110.72	ø	ø	←		PUMP ON					
8:48	111.61	32.5	0.51	21.27	9.68	0.360	-201	0.00	4.7	313	Q ≈ 2.5 gpm
9:00	111.64	63	1.0	21.49	8.30	0.653	-153	0.08	1.4	313	
9:14	111.66	97.5	1.54	21.61	7.97	0.671	-142	0.31	0.0	313	
9:31	111.65	140	2.22	21.65	7.83	0.670	-131	0.13	1.2	313	
9:41	111.65	165	2.61	21.77	7.86	0.671	-134	0.03	0.8	313	
9:50	111.65	187.5	2.97	21.84	7.86	0.672	-133	0.02	0.2	313	
9:52	←					SAMPLE				→	
9:54	NM	192	3.0	←		PUMP OFF				→	

SAMPLE COLLECTION SAMPLE TIME 9:52

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 532.30 WELL ID: MW-16

Time 10:10 Static DTW (ft below reference point)	114.20	Casing Volume (CV) (gallons) 42.4 3 CV (gallons) 127.3	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	178.50	Purging Device Grundfos Sampling Device ded. tubing	Time 10:10 Temp. 70	Begin Purge 10:21 End Purge 11:27
Water Column (feet)	64.3	Pump: Depth (ft brp) 176.5 Type MPI Voltage 115 HP 0.5	Skies clear	Gallons Purged 132 CVs Purged 3.1
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ___ Fast X	Wind (mph) - From -	DTW (ft brp) 115.31 Time 11:27

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
10:21	114.20	Ø	Ø	PUMP ON							
10:32	117.48	22	0.52	22.03	7.33	1.37	112	5.92	2.4	295	Q = 2 gpm
10:44	117.51	46	1.08	22.04	7.38	1.43	128	5.66	0.2	295	
10:57	117.58	72	1.70	22.06	7.29	1.51	138	5.97	0.0	295	
11:10	117.60	98	2.31	22.08	7.36	1.50	146	4.95	0.1	295	
11:20	117.65	118	2.78	22.16	7.38	1.47	151	4.87	0.0	295	
11:25	117.66	128	3.0	22.20	7.38	1.46	152	4.63	0.0	295	
11:27	115.31	132	3.1	PUMP OFF							

SAMPLE COLLECTION SAMPLE TIME 11:25

ANALYSIS	QUANTITY	TYPE
8260B VOCs	9	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane	3	1 L Amber

DUPLICATES / SPLITS / BLANKS? (Y) (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

DUP: MW-1600 @ 11:26

SPT: MW-16 @ 11:25

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 532.30 WELL ID: MW-40

Time 15:14 Static DTW (ft below reference point)	99.74	Casing Volume (~~GV~~ SV) (gallons) 75	3 CV (gallons) 225	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	970	Purging Device ded pump	Sampling Device ND pipestand	Time 1515 Temp. 70	Begin Purge 1517 End Purge 1539
Water Column (feet)	50	Pump: Depth (ft brp) 920 Type grundfos	Voltage 240 HP -	Skies clear	Gallons Purged 266 CVs Purged 3.5
Casing Capacity (Diameter 6") (gallons per foot)	1.5	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) - From -	DTW (ft brp) 97.94 Time 15:39

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
15:17	99.74	~~0~~	~~0~~	PUMP ON							
15:20	97.47	36	0.48	20.28	8.57	0.652	-70	9.35	1.1	-	Q = 12 gpm
15:22	97.49	60	0.80	20.09	8.21	0.696	-23	6.22	4.8	-	
15:26	97.49	108	1.44	20.20	8.15	0.696	20	3.91	1.5	-	
15:31	97.49	150	2.0	20.38	7.98	0.704	53	3.42	0.5	-	
15:34	97.49	186	2.44	20.31	7.88	0.697	68	3.53	0.3	-	
15:36	97.49	230	3.06	20.33	7.99	0.696	69	3.61	0.1	-	
15:39	97.49	266	3.54	PUMP OFF							

SAMPLE COLLECTION SAMPLE TIME 1536

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 532.30 WELL ID: MW-24

Time 16:15 Static DTW (ft below reference point)	110.05	Casing Volume (CV) (gallons) 145	3 CV (gallons) 435	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	330	Purging Device ded pump	Sampling Device ND pipestand	Time 1615 Temp. 60	Begin Purge 1619 End Purge 1657
Water Column (feet)	219.95	Pump: Depth (ft brp)	Type grundfos Voltage 240 HP	Skies clear	Gallons Purged 456 CVs Purged 3.14
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) – From –	DTW (ft brp) 119.21 Time 16:57

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
16:19	110.05	Ø	Ø	—	—	PUMP	ON	—	—	—	
16:23	118.67	48	0.44	21.01	9.55	0.406	-125	6.72	7.0	–	Q = 12 gpm
16:31	118.91	144	1.0	21.09	8.32	0.439	-155	0.25	0.0	–	
16:37	119.01	217.5	1.5	21.09	8.20	0.440	-150	0.18	0.0	–	
16:43	119.16	290	2.0	21.08	8.15	0.440	-148	0.13	0.0	–	
16:49	119.19	360	2.5	21.06	8.08	0.440	-145	0.10	0.0	–	
16:55	119.20	432	3.0	21.05	8.04	0.440	-144	0.10	0.0	–	
16:57	119.21	456	3.14	—	—	PUMP	OFF	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 16:55

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/2/18 TASK: 532.30 WELL ID: MW-27

Time 8:10 Static DTW (ft below reference point)	110.33	Casing Volume (~~SV~~) (gallons) 29.7 3 ~~SV~~ (gallons) 89.1	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	515	Purging Device ded pump Sampling Device ND peristand	Time 810 Temp. 60	Begin Purge 8:20 End Purge 8:37
screen Water Column (feet)	45	Pump: Depth (ft brp) Type Grundfos Voltage 240 HP	Skies light rain	Gallons Purged 102 CVs Purged 3.43
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast X	Wind (mph) 0 From —	DTW (ft brp) 114.31 Time 8:35

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
8:20	110.33	Ø	Ø	PUMP ON							
8:24	114.34	24	0.81	19.82	7.70	0.722	67	7.03	11.0	-	Q = 6 gpm
8:26	114.28	36	1.21	20.35	7.38	0.984	65	6.91	36.1	-	
8:28	114.30	48	1.62	20.53	7.61	0.999	73	6.87	38.2	-	
8:30	114.32	60	2.0	20.53	7.60	0.997	76	6.81	22.5	-	
8:33	114.30	78	2.62	20.56	7.58	0.992	81	6.71	10.2	-	
8:35	114.31	90	3.0	20.58	7.58	0.988	83	6.40	9.0	-	
8:37	NM	102	3.43	PUMP OFF							

SAMPLE COLLECTION SAMPLE TIME 8:35

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/2/18 TASK: 532.30 WELL ID: MW-31

Time 9:05 Static DTW (ft below reference point)	95.95	Screen SV Casing ~~Volume (CV)~~ (gallons) 81	SV 3 ~~CV~~ (gallons) 243	Weather Conditions	Initials: AMD/CVD
Casing Total Depth (ft below reference point)	996	Purging Device ded. pump	Sampling Device 10-100 pipestand	Time 9:05 Temp. 55	Begin Purge 7:10 End Purge 9:37
pump to screen Water Column (feet)	54	Pump: Depth (ft brp) 942 Type grundfos Voltage 240 HP —		Skies light rain	Gallons Purged 270 CVs Purged 3.3
Casing Capacity (Diameter ") (gallons per foot)	1.5	Monitor Well Recharge Rate: Slow Fast X		Wind (mph) 0 From —	DTW (ft brp) 96.10 Time 9:37

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°C)	pH	EC (MS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
9:10	95.95	0	0	PUMP ON							
9:16	99.56	60	0.75	20.18	10.21	0.667	58	0.00	5.5	—	Q ≈ 10 gpm
9:22	99.64	120	1.5	20.40	8.98	0.621	75	0.00	3.1	—	
9:26	99.64	160	2.0	20.46	8.38	0.693	82	0.28	2.2	-	
9:29	99.65	190	2.38	20.50	7.97	0.724	86	0.45	2.3	—	
9:32	99.65	220	2.72	20.51	7.85	0.725	87	0.47	2.0	—	
9:34	99.65	240	3.0	20.51	7.82	0.726	87	0.45	2.0	—	
9:37	96.10	270	3.3	PUMP OFF							

SAMPLE COLLECTION SAMPLE TIME 934

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/2/18 TASK: 532.30 WELL ID: MW-41

Time 1015 Static DTW (ft below reference point)	137.20	Casing Volume (CV) (gallons) 39 3 CV (gallons) 118	Weather Conditions: Time 1013 Temp. 60
Casing Total Depth (ft below reference point)	425	Purging Device ded pump Sampling Device >100 pipestand	Skies light rain
pump to screen Water Column (feet)	65	Pump: Depth (ft brp) 360 Type grundfos Voltage 240 HP -	Wind (mph) 2 From S
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/CVD
			Begin Purge 10:21 End Purge 10:44
			Gallons Purged 210 CVs Purged 5.38
			DTW (ft brp) 147.38 Time 10:40

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
10:21	137.20	Ø	Ø				PUMP	ON			
10:23	146.55	20	0.51	20.33	7.50	2.00	118	1.12	51.9	-	Q ≈ 10 gpm
10:24	146.61	30	0.77	20.86	7.06	2.16	50	2.43	20.8	-	
10:26	146.97	50	1.28	21.00	6.99	2.17	75	2.41	134	-	
10:28	147.07	70	1.79	21.04	6.98	2.17	80	2.43	147	-	
10:31	147.20	100	2.56	21.07	6.99	2.16	95	2.66	56.0	-	
10:35	147.27	140	3.58	21.08	6.98	2.15	99	2.56	30.0	-	
10:38	147.34	170	4.35	21.09	6.97	2.14	99	2.42	24.1	-	
10:40	147.38	190	4.87	21.08	6.97	2.14	98	2.42	19.9	-	
10:44	NM	210	5.38			PUMP OFF					

SAMPLE COLLECTION SAMPLE TIME 10:40

ANALYSIS	QUANTITY	TYPE
8260B VOCs	9	40 ml VOA
8270 SIM 1,4 dioxane	3	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. (Y) N

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

MS/MSD collected

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/5/18 TASK: 532.30 WELL ID: MW-36

Time 8:17 Static DTW (ft below reference point)	73.01	Screen SV Casing Volume (CV) (gallons) 320	SV 3 CV (gallons) 960	Weather Conditions	Initials: AMD/NES
Casing Total Depth (ft below reference point)	994	Purging Device ded. pump	Sampling Device 10-100 ft peristaltic	Time 8:15 Temp. 60	Begin Purge 8:30 End Purge 9:46
Water Column (feet)	534	Pump: Depth (ft brp) 460 Type grundfos Voltage - HP -		Skies clear	Gallons Purged 970 CVs Purged 3.03
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X		Wind (mph) 0 From -	DTW (ft brp) 77.05 Time 9:46

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
8:30	73.01	Ø	Ø			BEGIN	PURGING				
8:35	76.42	60	0.19	20.5	7.34	1.263	-171.9	0.08	2.26	-	Q = 13 gpm
8:41	76.47	145	0.45	20.9	7.45	1.229	-139.4	0.02	2.42	-	
8:57	76.74	320	1.0	21.6	7.62	0.761	-154.3	0.02	5.16	-	
9:01	76.77	400	1.25	21.6	7.55	0.938	-142.4	0.01	1.5	-	
9:08	76.81	480	1.5	21.6	7.51	1.067	-129.9	0.01	0.2	-	1.5SV sample taken
9:17	76.85	600	1.88	21.6	7.48	1.103	-123.1	0.02	0.1	-	
9:25	76.90	715	2.23	21.6	7.48	1.132	-113.0	0.02	0.1	-	
9:33	77.00	815	2.54	21.6	7.45	1.149	-109.9	0.02	0.1	-	
9:45	77.05	960	3.0	21.7	7.46	1.168	-103.4	0.01	0.1	-	
9:46	NM	970	3.03			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 9:45

ANALYSIS	QUANTITY	TYPE
8260B VOCs	6	40 ml VOA
8270 SIM 1,4 dioxane	3	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

MW-36_1.5SV @ 9:08

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/5/18 TASK: 532.30 WELL ID: MW-38

Time 10:50 Static DTW (ft below reference point)	136.15	Casing Volume (CV) (gallons) 42.1	3 CV (gallons) 126.4	Weather Conditions	Initials: AMD/NES
Casing Total Depth (ft below reference point)	200	Purging Device ded. pump	Sampling Device No pipestand	Time 10:50 Temp. 75	Begin Purge 10:56 End Purge 11:26
Water Column (feet)	63.85	Pump: Depth (ft brp) 190 Type grundfos Voltage 280 HP		Skies clear	Gallons Purged 141 CVs Purged 3.35
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast X		Wind (mph) 0 From -	DTW (ft brp) 136.68 Time 11:29

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (S/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
10:56	136.15	ø	ø	—	—	PUMP	ON	—	—		Q ≈ 4 gpm
10:58	136.49	12.3	0.29	21.8	7.33	1.449	-93.2	0.68	7.19	-	
11:06	136.57	49.8	1.18	21.7	7.18	1,413	-14.2	0.62	4.57	-	
11:09	136.59	58.8	1.39	21.7	7.16	1.408	-4.5	0.59	1.06	-	
11:12	136.61	78	1.85	21.7	7.15	1.403	-0.3	0.58	0.4	-	
11:17	136.68	100	2.37	21.7	7.13	1.408	7.4	0.56	0.29	-	
11:22	136.67	122	2.89	21.7	7.13	1.406	11.6	0.56	1.2	-	
11:24	136.68	127	3.02	21.7	7.13	1.407	12.3	0.56	0.80	-	
11:26	NM	141	3.35	—	—	PUMP OFF	—	—	—		

SAMPLE COLLECTION SAMPLE TIME 11:24

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/5/18 TASK: 532.30 WELL ID: MW-37

Time 11:36 Static DTW (ft below reference point)	125.20	Screen ~~Casing~~ Volume (CV) (gallons) 1 CV 180 3 CV (gallons) 540	Weather Conditions	Initials: AMD / NES
Casing Total Depth (ft below reference point)	820	Purging Device ded pump Sampling Device NP pipestand	Time 11:40 Temp. 70	Begin Purge 11:38 End Purge 12:07
screen Water Column (feet)	300	Pump: Depth (ft brp) 520 Type grundfos Voltage HP	Skies clear	Gallons Purged 543 CVs Purged 3.
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast X	Wind (mph) 5 From S	DTW (ft brp) 130.76 Time 12:05

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°)	pH	EC (S/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
11:38	125.20	Ø	Ø	—	—	BEGIN PURGE	—	—	—	—	
11:42	130.61	90	0.5	22.3	7.49	0.712	-105.0	0.31	1.68	-	Q≈ 21 gpm
11:47	130.63	185	1.02	22.6	7.55	0.828	-92.2	0.21	108.2	-	
11:51	130.69	270	1.51	22.7	7.60	0.761	-92.2	0.19	56.2	-	
11:58	130.74	400	2.22	22.7	7.60	0.784	-82.8	0.13	18.9	-	
12:03	130.75	510	2.83	22.7	7.59	0.792	-77.9	0.20	5.68	-	
12:05	130.76	543	3.0	22.7	7.59	0.793	-75.8	0.22	6.19	-	
12:07	NM	580	3.2	—	—	END	PURGE	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 12:05

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

SCANNED

FEBRUARY 2018

BIENNIAL GROUNDWATER MONITORING

FIELD NOTEBOOK

LARGE VOLUME MONITOR WELLS

RAYTHEON COMPANY

532.30

1901 MALVERN AVE.
FULLERTON, CALIFORNIA

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

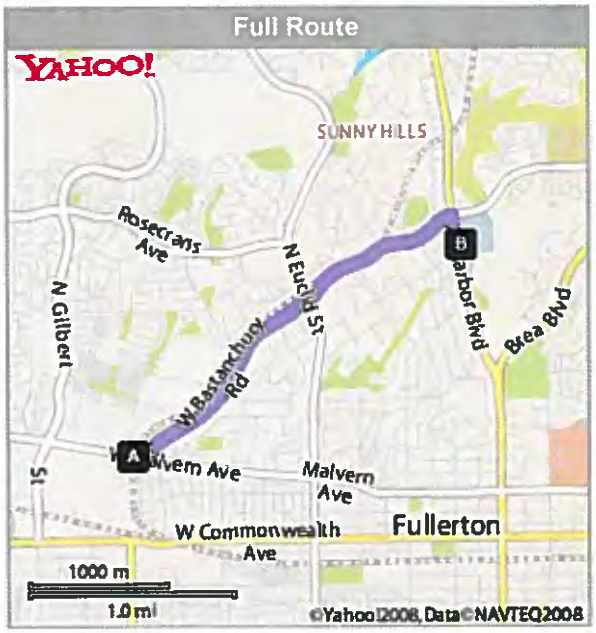
HARGIS + ASSOCIATES, INC.

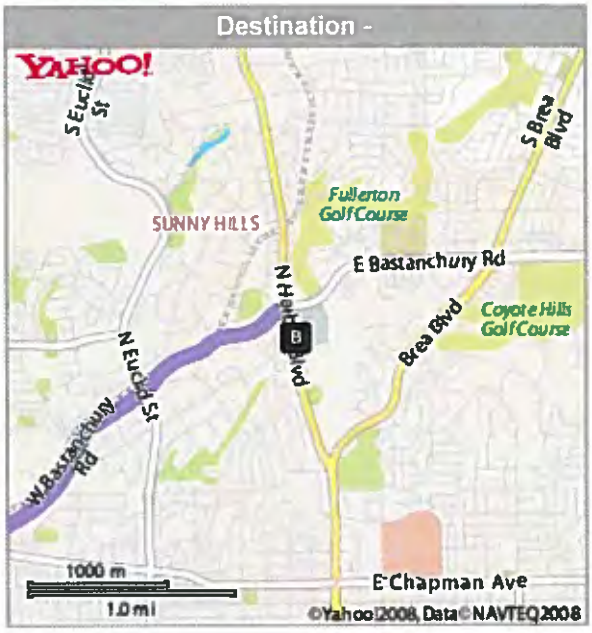
Driving Directions

Starting from: 1 Raytheon Site: 1901 W. Malvern Ave., Fullerton, California 92833-2177

Arriving at: 2 St. Jude Medical Center: 101 E. Valencia Mesa, Fullerton, California 92835-3809

Distance: 2.4 miles **Approximate Travel Time:** 5 minutes





Directions		Miles	
1.	Start on **MALVERN AVE**	0.1	↑
2.	Turn Left on **W BASTANCHURY RD**	2.2	↰
3.	Turn Right on **N HARBOR BLVD**	0.2	↱
4.	Turn Left on **E VALENCIA MESA DR**	0.0	↰
Distance: 2.4 miles **Approximate Travel Time:** 5 minutes			

FIGURE 9

ROUTE TO HOSPITAL

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/27/18

Location: FULLERTON, CA

Presented by: TJE

A. GENERAL INTRODUCTION

1. Location of site Health and Safety Plan (HSP) and ensure everyone has read the site HSP.
2. Primary hazards and controls (chemical, physical, and biological).
3. Sanitation and decontamination (potable water, nonpotable water, toilet, sink, shower).
4. General Site Rules.
5. Emergency Response Plan (location where emergency telephone numbers and hospital route posted, shower, first aid kit, fire extinguisher, alarm system, evacuation, meeting place, contingencies, upwind).
6. Establish buddy system.

B. SPECIFIC PRECAUTIONS FOR DAY'S ACTIVITIES Go over the hospital route daily; wear traffic vests, use safety cones, and be aware of traffic whenever in or near the roadways; wear sunscreen and hydrate well; wear gloves and take appropriate precautions when handling contaminated groundwater; watch for black widow spiders in vaults. Notify your supervisor and field partner of any issues.

C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Tyler Evans	TJE	H+A	2/27/18
Nadja Scholl		H+A	2/27/18
Andrew Donnelly	AD	H+A	2/27/18

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/28/18

Location: FULLERTON, CA

Presented by: TJE

A. GENERAL INTRODUCTION

1. Location of site Health and Safety Plan (HSP) and ensure everyone has read the site HSP.
2. Primary hazards and controls (chemical, physical, and biological).
3. Sanitation and decontamination (potable water, nonpotable water, toilet, sink, shower).
4. General Site Rules.
5. Emergency Response Plan (location where emergency telephone numbers and hospital route posted, shower, first aid kit, fire extinguisher, alarm system, evacuation, meeting place, contingencies, upwind).
6. Establish buddy system.

B. SPECIFIC PRECAUTIONS FOR DAY'S ACTIVITIES Go over the hospital route daily; wear traffic vests, use safety cones, and be aware of traffic whenever in or near the roadways; wear sunscreen and hydrate well; wear gloves and take appropriate precautions when handling contaminated groundwater; watch for black widow spiders in vaults. Notify your supervisor and field partner of any issues.

C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Tylor Evans	TJE	HARGIS + ASSOC., INC	2/28/18
Andrew Donnelly	ADonnelly	HARGIS + ASSOC., INC	2/28/18
		HARGIS + ASSOC., INC	

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 3/1/18

Location: FULLERTON, CA

Presented by: TJE

A. GENERAL INTRODUCTION

1. Location of site Health and Safety Plan (HSP) and ensure everyone has read the site HSP.
2. Primary hazards and controls (chemical, physical, and biological).
3. Sanitation and decontamination (potable water, nonpotable water, toilet, sink, shower).
4. General Site Rules.
5. Emergency Response Plan (location where emergency telephone numbers and hospital route posted, shower, first aid kit, fire extinguisher, alarm system, evacuation, meeting place, contingencies, upwind).
6. Establish buddy system.

B. SPECIFIC PRECAUTIONS FOR DAY'S ACTIVITIES Go over the hospital route daily; wear traffic vests, use safety cones, and be aware of traffic whenever in or near the roadways; wear sunscreen and hydrate well; wear gloves and take appropriate precautions when handling contaminated groundwater; watch for black widow spiders in vaults. Notify your supervisor and field partner of any issues.

C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Tyler Evans	TJE	HARGIS + ASSOC., INC	3/1/18
		HARGIS + ASSOC., INC	
		HARGIS + ASSOC., INC	

HARGIS + ASSOCIATES, INC.

WATER LEVEL INDICATOR
CALIBRATION DOCUMENTATION FORM

PROJECT NUMBER:**532.30**

DATE	TIME	WATER LEVEL INDICATOR TYPE	WATER LEVEL INDICATOR NUMBER	CALIBRATION METHOD	CALIBRATED BY (INITIALS)	REMARKS
2/26/18	809	Flat tape	267217	check	TJE	108.85
2/26/18	812	Flat tape	40521	check	TJE	109.57
2/26/18	814	coaxial	276946	check	TJE	108.88

MW-25

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: FEBRUARY 2018

METHOD OF MEASUREMENT/SOUNDER IDENTIFIER: FLAT TAPE ELECTRIC SOUNDER #_____

PROJECT NUMBER: 532.30

WELL IDENTIFIER	DATE	TIME	MEASURING POINT	DEPTH TO WATER FROM REFERENCE POINT (+feet)	REFERENCE POINT ELEVATION (ft msl)	WATER LEVEL ELEVATION (ft msl)	NOVEMBER 2017 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
P-07	02/26/17	1236	TOC	110.76	142.31	31.55	111.50	+0.74		TJE/NES
P-09	02/ /17				183.86		120.83			
MW-06	02/ /17				~~184.29~~ 184.70		156.32			
MW-08	02/26/17	1136	TOC	127.34	155.91	28.57	138.67	+11.33		TJE/NES
MW-09	02/ /17				180.10		157.61			
MW-13	02/ /17				141.84		118.28			
MW-15	02/26/17	1140	TOC	127.60	144.95	17.35	140.75	+13.15		TJE/NES
MW-16	02/26/17	814	TOC	113.61	142.40	28.79	119.82	+6.21		↓
MW-17	02/ /17				142.70		118.34			
MW-18	02/ /17				142.32		118.79			
MW-19	02/ /17				142.06		118.44			
MW-20	02/ /17				184.19		154.35			
MW-21	02/26/17	1255	TOC	111.72	141.18	29.46	121.00	+9.28	Totalizer: — Pumping? N	
MW-22	02/ /17				138.65		114.81			
MW-23	02/ /17				137.33		114.49			
MW-24	02/26/17	812	TOC	109.84	142.83	32.99	119.80	+9.96		TJE/NES
MW-25	02/26/17	809	TOC	108.85	142.64	33.79	114.55	+5.70		↓
MW-26A	02/ /17				137.04		126.20			
MW-26B	02/ /17				137.05		132.05			
MW-26C	02/ /17				137.22		114.02			

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: FEBRUARY 2018

METHOD OF MEASUREMENT/SOUNDER IDENTIFIER: FLAT TAPE ELECTRIC SOUNDER #_____

PROJECT NUMBER: 532.30

WELL IDENTIFIER	DATE	TIME	MEASURING POINT	DEPTH TO WATER FROM REFERENCE POINT (+feet)	REFERENCE POINT ELEVATION (ft msl)	WATER LEVEL ELEVATION (ft msl)	NOVEMBER 2017 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-27	02/ /17				137.16		113.41			
MW-28	02/ /17				140.77		118.60			
MW-29	02/26/17	11:25	TOST	147.78P	139.81	-7.97	155.05 P	+7.27	Totalizer: 1566 84.89 Pumping? Y	TJE/NES
MW-30A	02/26/17	11:10	TOST	104.88	129.44	24.56	106.92	+ 2.04		TJE/NES
MW-30B	02/26/17	11:10	TOST	104.39	129.39	25.00	105.65	+1.26		"
MW-31	02/26/17	10:14	TOST	95.25	119.60	24.35	94.00	-1.25		TJE/NES
MW-32A	02/26/17	9:47	TOST	72.29	92.88	20.59	68.04	-4.25		"
MW-32B	02/26/17	9:50	TOST	71.41	92.89	21.48	68.70	-2.71		"
MW-32C	02/26/17	9:49	TOST	60.92	92.88	31.96	67.94	+8.98		"
MW-33	02/26/17	9:23	TOST	66.74	83.19	16.45	59.82	-6.92		"
MW-34A	02/ /17				153.25		135.02			
MW-34B	02/ /17				153.11		133.16			
MW-34C	02/ /17				153.29		131.75			
MW-35A	02/26/17	9:01	TOST	67.47	93.57	26.10	65.62	-1.85		TJE/NES
MW-35B	02/26/17	9:12	TOST	70.97	93.56	22.59	71.52	+0.95		"
MW-35C	02/26/17	9:03	TOST	71.61	93.55	21.94	67.44	-4.17		"
MW-36	02/ /17				86.65		65.10			
MW-37	02/ /17				155.60		131.14			
MW-38	02/ /17				154.90		143.85			
MW-39	02/ /17				84.25		62.93			
MW-40	02/26/17	10:08	TOST	95.76	123.40	27.64	95.36	-0.40		TJE/NES

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: FEBRUARY 2018

METHOD OF MEASUREMENT/SOUNDER IDENTIFIER: FLAT TAPE ELECTRIC SOUNDER #_____

PROJECT NUMBER: 532.30

WELL IDENTIFIER	DATE	TIME	MEASURING POINT	DEPTH TO WATER FROM REFERENCE POINT (+feet)	REFERENCE POINT ELEVATION (ft msl)	WATER LEVEL ELEVATION (ft msl)	NOVEMBER 2017 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-41	02/ /17				155.60		136.41			
EW-01	02/26/17	1245	TOST	111.86	141.07	29.21	117.81	+5.95	SOUNDING TUBE TO 172.65 Totalizer: Pumping? N	DE/NES
EW-02	02/26/17	1045	TOST	112.48 P	132.97	20.49	116.26 P	+3.78	Totalizer: 36709 Pumping? Y	

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

FEBRUARY 2018 GROUNDWATER SAMPLE PLAN
TEAM 1

QA/QC	DAYS	Total VOC's	1,4-Dioxane	APROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2018 SAMPLING SCHEDULE	SAMPLE METHOD
	UPPER RAYTHEON MAIN MONTOR WELLS								
✓	Tu	1.46	0.81 U	67	30	~~MW-20~~	Water Table; D	VOCs; 1,4-Dioxane	Redi-Flo
✓	Tu	0.27	< 0.20	11.1	70	~~MW-09~~	Water Table; C	VOCs; 1,4-Dioxane	Bail
✓	Tu	0.94	NA	6.5	25	~~MW-06~~	Water Table; D	VOCs	Bail
MS/MSD (Tu)	Tu	2	1.4	114	50	~~MW-18~~	Deep; A	VOCs; 1,4-Dioxane	Redi-flo
✓	Tu	3.7	< 0.20	20	40	~~P-09~~	Perched Zone	VOCs; 1,4-Dioxane	Redi-flo
	CENTRAL (MALL AREA) RAYTHEON MAIN MONTOR WELLS								
✓	W	7.8	< 0.20	11	15	~~MW-13~~	C	VOCs; 1,4-Dioxane	Redi-flo
✓	W	0	NA	128	20	~~MW-19~~	Deep; A	VOCs	Ded.240V
✓	W	0	< 0.20	196	30	~~MW-22~~	Deep; A	VOCs; 1,4-Dioxane	Ded.240V
✓	W	0	NA	207	30	~~MW-23~~	Deep; A	VOCs	Ded.240V
✓	W	0	< 0.20	188	50	~~MW-26C~~	Deep; B	VOCs; 1,4-Dioxane	Redi-Flo
	W	0	< 0.20	120	20	MW-27	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
✓	W	0	< 0.20	95	20	~~MW-28~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	APARTMENT COMPLEX RAYTHEON MAIN MONTOR WELLS								
✓	Th	10.9	NA	15	10	~~MW-15~~	Water Table; AB	VOCs	Redi-flo
✓	Th	243.19	0.16 J	15.5	20	~~MW-05~~	Water Table; BC	VOCs; 1,4-Dioxane	Redi-flo
✓	Th	0	< 0.20	60	15	~~MW-30R~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
✓	Th	0	< 0.20	396	40	~~MW-24~~	Deep; C	VOCs; 1,4-Dioxane	Ded.240V
SPT/DUP	Th	109.2	< 0.20	132	30	~~MW-30B~~	Deep; BC	VOCs; 1,4-Dioxane	Ded.240V
✓	Th	2141.8	1300	1	SLOW	~~P-07~~	Perched Zone	VOCs; 1,4-Dioxane (8270 MOD)	Bail
SPT/DUP	Th	984.5	57	78	35	~~MW-16~~	Water Table; B	VOCs; 1,4-Dioxane (8270 MOD)	Redi-flo

RB

NOTES
A **MS** and **MSD** (3x40ml VOA and 1L amber) should be collected every day/ alternating 1,4-Dioxane methods as indicated.
1,4-Dioxane analysis method is 8270 SIM unless specified otherwise (if historical detect is > 5.0 ug/l MOD is used).
1 = Day - # refers to the day scheduled to sample and the corresponding dedicated pipestand to use: ND=1; 0-10=2; 10 - 100=3; >100=4
Wells with dedicated pumps should follow concentration order when possible

RB = Rinsate blank taken on non-dedicated equipment each day- will vary with schedule and should be confirmed with both teams each morning.

HARGIS + ASSOCIATES, INC.

FEBRUARY 2018 GROUNDWATER SAMPLE PLAN
TEAM 2

QA/QC	DAYS	Total VOC's	1,4-Dioxane	APROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2018 SAMPLING SCHEDULE	SAMPLE METHOD
MS/MSD (M)	M	2.4	< 2.0	189	30	EW-01	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
~~SPT/DUP~~	M	1536.3	120 E	437	30	~~MW-34~~	Water Table; BC	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
✓	Tu	0	< 0.20	163	25	~~MW-35A~~	Other	VOCs; 1,4-Dioxane	Ded.240V
✓	Tu	0	< 0.20	661	50	~~MW-35B~~	AB	VOCs; 1,4-Dioxane	Ded.240V
✓	Tu	0	< 0.20	1190	95	~~MW-35C~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	Tu	0	< 0.20	863	65	MW-39	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
~~MS/MSD (W)~~	W	0	< 0.20	812	65	~~MW-39A~~	Deep; AB	VOCs; 1,4-Dioxane	Ded 320V
	W	0	< 0.20	996	110	~~MW-52D~~	Water Table; C	VOCs; 1,4-Dioxane	Ded 320V
1.5SV	W	8.02	< 0.20	890	85	~~MW-33~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	W	90.94	1.6	819	85	~~MW-38B~~	Deep; B	VOCs; 1,4-Dioxane	Ded 320V
MS/MSD (Th)	Th	88.06	7.5	976	95	MW-36	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded.240V
	Th	0	< 0.20	651	50	MW-37	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	Th	0	< 0.20	84	25	MW-38	Deep; A	VOCs; 1,4-Dioxane	Ded.240V
SPT/DUP	Th	122.31	18	145	30	MW-41	Deep; B	VOCs; 1,4-Dioxane	Ded.240V

1.5SV MS/MSD SPT/DUP → 1.5SV

NOTE
1 = Day - # refers to the day scheduled to sample and the corresponding dedicated pipestand to use: ND=1; 0-10=2; 10 - 100=3; >100=4
A **MS** and **MSD** (3x40ml VOA and 1L amber) should be collected every day/ alternating 1,4-Dioxane methods as indicated.
1,4-Dioxane analysis method is 8270 SIM unless specified otherwise (if historical detect is > 5 0 ug/l MOD is used).
Wells with dedicated pumps should follow concentration order when possible.

HARGIS + ASSOCIATES, INC.

FEBRUARY 2018 GROUNDWATER SAMPLE PLAN
SUPPLEMENTAL (TEAMS DIVIDE AND CONQUER)

QA/QC	DAYS	Total VOC's	1,4-Dixoane	APROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2018 SAMPLING SCHEDULE	PURGE METHOD
		0	1.3 U	170	15	~~MW-34A~~	Deep; A	VOCs; 1,4-Dioxane	Ded 240V
		0	< 0.20	200	20	~~MW-34C~~	Deep; BC	VOCs; 1,4-Dioxane	Ded 240V
		0	< 0.20	230	30	~~MW-40~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
		48.3	1.7	317	30	MW-31	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
SPT/DUP		215.06	23 E	155	20	~~MW-34B~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded 240V

NOTES
1 = Day - # refers to the day scheduled to sample and the corresponding dedicated pipestand to use: ND=1; 0-10=2; 10 - 100=3; >100=4
An **MS** and **MSD** (3x40ml VOA and 1L amber) should be collected every day/ alternating 1,4-Dioxane methods as indicated.
1,4-Dioxane analysis method is 8270 SIM unless specified otherwise (if historical detect is > 5.0 ug/l MOD is used).
Wells with dedicated pumps should follow concentration order when possible.

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: ~~1/26/18~~ 2/27/18 12090 TASK: 532.30 WELL ID: ~~EW-01~~ MW-21

Time ~~1549~~	Static DTW (ft below reference point) ~~118.86~~	Casing Volume (CV) (gallons) ~~14~~ 15 73	3 CV (gallons) ~~153~~ 235
Casing Total Depth (ft below reference point) 232	~~188~~	Purging Device ded pump	Sampling Device ded sample pump
1 Water Column (feet) ~~113~~	~~67.14~~ ~~69.14~~ 111	Pump: Depth (ft brp)	Type Voltage HP
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast X

Weather Conditions: Time 1310 Temp. 70; Skies clear; Wind (mph) 2-5 From E

Initials: TJE/NES; Begin Purge 1553 End Purge 1607; Gallons Purged 294 CVs Purged 4.0; DTW (ft brp) 120.90 Time 1548

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1553	~~118.86~~ 120.90	0	0.	Begin		Purge				-	Q≥ ~~7~~ 21 gpm
1554	NM	21	0.3	20.5	7.43	2115	-56.5	2.96	27	-	
1557	127.00	84	1.2	21.1	7.19	2213	+8.3	5.72	9.3	-	
1559	NM	126	1.7	21.2	7.21	2211	8.2	6.76	1.3	-	
1601	NM	168	2.3	21.2	7.22	2205	28.5	6.67	1.6	-	
1603	127.95	210	2.9	21.1	7.26	2194	42.8	6.59	1.4	-	
1604	NM	231	3.2	20.7	7.21	2194	49.7	6.83	0.8	-	
1607	NM	294	4.0			end purge					

SAMPLE COLLECTION SAMPLE TIME 1605

ANALYSIS	QUANTITY	TYPE
8260B VOCs	9	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane	3	1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. (Y) N

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

~~MS/MSD~~ SPT (DUP) @ 1615

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 532.30 WELL ID: MW-13

Time 920 Static DTW (ft below reference point)	113.79	Casing Volume (CV) (gallons) 7.7	3 CV (gallons) 23	Weather Conditions	Initials: TJF/
Casing Total Depth (ft below reference point)	159	Purging Device Geotech's	Sampling Device ded tubing	Time 9:20 Temp. 65	Begin Purge 943 End Purge 1001
Water Column (feet)	45.2	Pump: Depth (ft brp) 157 Type	Voltage 115 HP 0.5	Skies partly cloudy	Gallons Purged 27 CVs Purged 3.5
Casing Capacity (Diameter 2") (gallons per foot)	0.17	Monitor Well Recharge Rate: Slow	Fast ✓	Wind (mph) 0-2 From Var.	DTW (ft brp) 141.20 Time 1001

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
943	113.79	0	0	—	Begin	Purge				281	Q ≅ 1.5 gpm
945	141.23	3	0.4	22.0	7.24	1366	211.6 ~~6.52~~	6.52	28.4	281	
948	141.28	7.5	1.0	22.4	7.04	1329	203.5	7.04	5.5	281	
951	141.21	12	1.6	22.6	7.20	1318	198.8	6.97	2.6	281	
953	141.25	15	1.9	22.6	7.22	1316	195.3	6.98	2.7	281	
956	141.21	19.5	2.5	22.6	7.21	1316	193.1	6.98	2.8	281	
959	141.20	24	3.1	22.6	7.21	1320	190.1	7.00	1.8	281	
1001	141.20	27	3.5	—	—	end	purge	←	—		

SAMPLE COLLECTION SAMPLE TIME 1000

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 532.30 WELL ID: MW-32A

Time 1212 Static DTW (ft below reference point)	73.00	Screen ~~Casing~~ Volume ~~(CV)~~ (gallons) 207 SV ~~3 CV~~ (gallons) 621	Weather Conditions
Casing Total Depth (ft below reference point)	905	Purging Device Ded pump Sampling Device ND Pipe stand	Time 1200 Temp. 60
Screen Water Column (feet)	345	Pump: Depth (ft brp) 560 Type Grundfos Voltage 240 HP	Skies cloudy
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast X	Wind (mph) 2-5 From SW

Initials: TE/NES
Begin Purge 1228 End Purge 1322
Gallons Purged 650 CVs Purged 3.1
DTW (ft brp) 73.00 Time 1212

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1228	73.00	0	0	Begin Purge						-	Q ≈ 13 gpm
1236	74.74	108	0.5	20.7	7.54	998	99.9	0.57	5.3	-	
1244	74.83	225	1.1	20.9	7.43	1,001	49.4	1.15	4.3	-	
1252	74.84	322	1.6	20.9	7.34	1,004	50.8	1.47	0.1	-	1257: pause pumping to transfer
1302				Begin pumping again							
1303	74.72	412	2.0	21.1	7.31	1002	67.3	1.50	0.0	-	
1308	75.20	552	2.6	21.0	7.29	1001	61.9	1.49	0.0		
1320	NM	630	3.0	20.9	7.28	1001	63.3	1.49	0.4	-	
1322	NM	650	3.1	end purge							

SAMPLE COLLECTION SAMPLE TIME 1320

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/27/18 TASK: 532.30 WELL ID: MW-32B

Time 1340 Static DTW (ft below reference point)	72.30	Casing Volume (CV) (gallons) 264 3 CV (gallons) 791	Weather Conditions	Initials: TJE/NES
Casing Total Depth (ft below reference point)	999	Purging Device ded pump Sampling Device 10-100 pipe stand	Time 1340 Temp 65	Begin Purge 1344 End Purge 1450
Water Column (feet)	436	Pump: Depth (ft brp) 560 Type Grundfos Voltage 240 HP	Skies partly cloudy	Gallons Purged 828 CVs Purged 3.1
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast X	Wind (mph) 5-10 From N	DTW (ft brp) 72.30 Time 1340

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1344	72.30	0	0	— Begin		Purge	—	—	—	—	Q≅14 gpm
1346	91.00	27	0.1	20.6	7.70	992	-150.1	0.16	1.2	—	
1350	91.75	75	0.3	20.7	7.61	966	-170.5	0.03	0.3	—	
1355	92.20	140	0.5	20.8	7.62	904	-173.2	0.07	0.7	—	
1405	92.65	260	1.0	21.0	7.75	644	-168.3	0.13	1.0	—	
1415	92.90	396	1.5	21.2	7.60	955	-130.5	0.14	0.7	—	
1426	93.10	528	2.0	21.2	7.60	965	-127.4	0.15	0.8	—	
1436	93.25	660	2.5	21.1	7.60	969	-127.2	0.16	0.8	—	
1446	93.32	791	3.0	21.1	7.60	972	-127.5	0.16	0.8	—	
1450	NM	828	3.1	—		end	purge	—	—	—	

SAMPLE COLLECTION SAMPLE TIME

ANALYSIS	QUANTITY	TYPE
8260B VOCs	18	40 ml VOA
8270 SIM 1,4 dioxane	3	1 L Amber
8270 MOD 1,4 dioxane	1	1 L Amber

DUPLICATES / SPLITS / BLANKS? (Y) N
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

MW-32B 1.55V @ 1415
SPT/(DUP) @ 1500
MS/MSD collected

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-35C

Time 822 Static DTW (ft below reference point)	72.65	Screen Casing Volume (~~GV~~ SV (gallons) 378 3 ~~GV~~ SV (gallons) 1134	Weather Conditions	Initials: TJE/NES
Casing Total Depth (ft below reference point)	1040	Purging Device Ded pump Sampling Device ND pipe stand	Time 825 Temp. 60	Begin Purge 833 End Purge 931
Screen Water Column (feet)	630	Pump: Depth (ft brp) 410 Type Grundfos Voltage — HP —	Skies clear	Gallons Purged 1172 CVs Purged 3.1
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ___ Fast ✓	Wind (mph) 25 From W	DTW (ft brp) 72.65 Time 822

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
833	72.65	0	0	—	—	Begin	Purge	—	—	—	Q ≅ 22 gpm
841	76.72	173	0.45	20.2	7.41	1060	157.9	0.80	0.1	—	
850	76.77	376	1.0	20.4	7.44	926	137.3	3.16	10.7	—	
900	76.80	590	1.6	20.4	7.47	911	71.9	4.42	2.0	—	
908	76.85	757	2.0	20.4	7.46	911	79.9	4.41	0.7	—	
918	76.85	965	2.6	19.8	7.49	910	89.9	5.00	3.5	—	
928	76.90	1134	3.0	19.9	7.52	904	90.1	4.68	1.2	—	
931	NM	1172	3.1	—	pump	off	—	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 930

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-35A

Time 955 Static DTW (ft below reference point)	68.50	Casing Volume (~~SV~~ (gallons) 42 3 ~~CV~~ (gallons) 126	Weather Conditions	Initials: TJE/NES
Casing Total Depth (ft below reference point)	470	Purging Device Ded pump Sampling Device ND pipe stand	Time 955 Temp. 70	Begin Purge 1001 End Purge 1020
screen Water Column (feet)	70	Pump: Depth (ft brp) 400 Type Grundfos Voltage 240 HP	Skies clear	Gallons Purged 167 CVs Purged 4.0
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast x	Wind (mph) 0-2 From W	DTW (ft brp) 68.50 Time 955

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1001	68.50	0	0	——	Begin	Purge	——				Q ≈ 9 gpm
1003	>80.00	14	0.3	19.9	7.64	1054	-69.7	0.32	10.6	—	
1006	NM	41	1	20.0	7.34	1047	-224.7	1.39	21.3	—	
1008	NM	59	1.4	20.0	7.33	1051	-246.3	1.46	20.2	—	
1011	NM	86	2	20.1	7.30	1054	-242.3	1.29	66.2	—	
1013	NM	104	2.5	20.1	7.29	1057	-208.3	1.34	26.9	—	
1015	NM	122	~~5.0~~ 29	20.1	7.28	1058	-204.6	1.40	15.3	—	
1017	NM	140	3.3	20.1	7.28	1059	-201.6	1.41	11.2	—	
1019	NM	158	3.8	20.1	7.27	1061	-199.5	1.41	8.8	—	
1020	NM	167	4.0	——		end	purge	——			

SAMPLE COLLECTION SAMPLE TIME 1020

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-35B

Time 1029 Static DTW (ft below reference point)	71.87	Screen Casing Volume (~~SV~~) (gallons) 207 3 ~~SV~~ (gallons) 621	Weather Conditions	Initials: DE/NES
Casing Total Depth (ft below reference point)	805	Purging Device Ded pump Sampling Device ND pipe stinger	Time 1030 Temp 70	Begin Purge 1034 End Purge 1106
screen Water Column (feet)	345	Pump: Depth (ft brp) 460 Type Grundfos Voltage 240 HP	Skies clear	Gallons Purged 686 CVs Purged 3.3
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast X	Wind (mph) 0-2 From Var.	DTW (ft brp) 71.87 Time 1029

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1034	71.87	0	0	—	Begin Purge					—	Q ≅ 20 gpm
1036	NM	41	0.2	20.0	7.37	770	-223.1	0.06	1.7	—	
1042	79.12	163	0.8	20.3	7.46	611	-257.4	0.13	2.9	—	
1049	79.30	310	1.5	20.3	7.30	1181	-142.4	1.40	467.8	—	
1053	79.32	402	1.9	20.3	7.29	1194	-126.1	1.51	146.8	—	
1058	79.35	517	2.5	20.3	7.31	1200	-108.6	1.57	24.2	—	
1101	79.36	572	2.8	20.3	7.31	1202	-101.7	1.59	24.9	—	
1104	79.40	640	3.1	20.3	7.31	1205	-98.6	1.61	27.1	—	
1106	NM	686	3.3	—	pump off						

SAMPLE COLLECTION SAMPLE TIME 1105

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-30A

Time 1331 Static DTW (ft below reference point)	104.73	screen ~~Casing~~ Volume (~~CV~~) (gallons) 17.6	3 CV (gallons) 52.8	Weather Conditions
Casing Total Depth (ft below reference point)	564	Purging Device sled pump	Sampling Device ND pipe stand	Time 1328 Temp 70
screen Water Column (feet)	44	Pump: Depth (ft brp) 520 Type grundfos	Voltage 240 HP	Skies clear
Casing Capacity (Diameter 3") (gallons per foot)	0.4	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 2-5 From W

Initials: TJE/NES
Begin Purge 1334 End Purge 1344
Gallons Purged 62 CVs Purged 3.5
DTW (ft brp) 104.73 Time 1331

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1334	104.73	0	0	—	Begin		Purge	—	—	—	Q ≅ 6 gpm
1335	106.70	6	0.3	22.6	7.76	893	12.8	2.05	7.9	—	
1337	106.80	20	1.1	21.1	7.74	801	-33.0	0.44	6.5	—	
1338	106.82	27	1.5	21.1	7.71	806	-37.2	0.32	7.7	—	
1340	106.85	40	2.3	21.3	7.68	800	-37.9	0.38	5.8	—	
1341	106.86	46	2.6	21.3	7.65	799	-38.2	0.47	5.4	—	
1342	106.87	53	3.0	21.3	7.65	798	-38.2	0.54	5.9	—	
1344	NM	62	3.5	—	end	purge	—	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 1343

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-30B

Time 1353 Static DTW (ft below reference point)	105.02	screen ~~Casing~~ Volume ~~(GV)~~ (gallons) 40 SV 3-~~CV~~ (gallons) 120	Weather Conditions	Initials: TJE/NES
Casing Total Depth (ft below reference point)	619	Purging Device Bladder pump Sampling Device >100 stainless steel pipe	Time 1350 Temp. 70	Begin Purge 1354 End Purge 1420
Pump to screen Water Column (feet)	99	Pump: Depth (ft brp) 520 Type Grundfos Voltage 240 HP	Skies partly cloudy	Gallons Purged 133 CVs Purged 3.3
Casing Capacity (Diameter 3") (gallons per foot)	0.4	Monitor Well Recharge Rate: Slow Fast X	Wind (mph) 2-5 From W	DTW (ft brp) 105.02 Time 1353

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1354	105.02	0	0	→		Begin	Purge	→			Q≈ 5.5 gpm
1357	122.87	17	0.4	21.3	7.34	1330	-132.4	0.07	2.3	—	
1400	126.30	32	0.8	21.2	7.40	1097	-143.9	0.07	0.2	—	
1404	128.32	52	1.3	21.3	7.32	1119	-134.2	0.09	0.2	—	
1409	129.80	80	2.0	21.4	7.28	1244	-115.2	0.07	1.6	—	
1413	130.42	100	2.5	21.4	7.31	1244	-106.7	0.07	2.7	—	
1417	130.91	120	3.0	21.4	7.31	1242	-103.9	0.07	0.9	—	
1420	NM	133	3.3	- pump off	→						

SAMPLE COLLECTION SAMPLE TIME 1420

ANALYSIS	QUANTITY	TYPE
8260B VOCs	9	40 ml VOA
8270 SIM 1,4 dioxane	2	1 L Amber
8270 MOD 1,4 dioxane	1	1 L Amber

DUPLICATES / SPLITS / BLANKS? (Y) N
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

Dup @ 1430

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-22

Time 1450 Static DTW (ft below reference point)	110.91	Casing Volume (CV) (gallons) 73	3 CV (gallons) 218	Weather Conditions	Initials: TJE/NES
Casing Total Depth (ft below reference point)	232	Purging Device ded pump	Sampling Device ND Steel pipe	Time 1450 Temp 65	Begin Purge 1457 End Purge 1519
Water Column (feet)	121.09	Pump: Depth (ft brp)	Type	Voltage 240 HP	Skies partly cloudy	Gallons Purged 236 CVs Purged 3.2
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast ✓	Wind (mph) 5-10 From E	DTW (ft brp) 110.91 Time 1450

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1457	110.91	0	0	—	Begin		Purge	—	—	—	Q≈ 9 gpm
1501	112.23	39	0.5	21.2	7.27	1526	-96.1	1.98	87.2	—	
1504	112.22	80	1.1	21.3	7.22	1527	-63.2	2.08	28.6	—	
1507	112.22	110	1.5	21.3	7.20	1529	-48.8	2.09	34.5	—	
1510	112.23	146	2.0	21.3	7.20	1529	-38.1	2.09	22.4	—	
1514	112.22	183	2.5	21.3	7.19	1530	-30.6	2.08	11.4	—	
1517	112.23	218	3.0	21.3	7.18	1530	-28.2	2.09	15.7	—	
1519	NM	236	3.2	—	end	purge	—	—	—		

SAMPLE COLLECTION SAMPLE TIME 1518

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/28/18 TASK: 532.30 WELL ID: MW-28

Time 1550 Static DTW (ft below reference point)	114.20	Screen ~~Casing~~ Volume (~~GW~~) (gallons) 29.7 SV 3 ~~CV~~ (gallons) 89.1	Weather Conditions: Time 1547 Temp 65
Casing Total Depth (ft below reference point)	375	Purging Device deck pump Sampling Device NO pipe stand	Skies partly cloudy
pump to screen Water Column (feet)	45	Pump: Depth (ft brp) 330 Type Grundfos Voltage 240 HP	Wind (mph) 5-10 From SW
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: TJE/NES
			Begin Purge 1352 End Purge 1603
			Gallons Purged 100 CVs Purged 3.36
			DTW (ft brp) 114.20 Time 1550

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS: Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1352	114.20	0	0	—	Begin		Purge	—	—	—	Q ≈ 9 gpm
1353	123.80	9	0.3	23.5	7.70	1164	27.7	5.74	1.7	—	
1355	124.71	29	1.0	21.4	7.63	1037	26.6	3.55	0.2	—	
1357	124.86	45	1.5	21.4	7.57	1042	31.2	4.22	0.3	—	
1358	124.92	60	2.0	21.5	7.56	1013	32.4	3.67	0.2	—	
1600	125.00	75	2.5	21.5	7.54	1008	33.9	3.54	0.6	—	
1601	125.06	89	3.0	21.5	7.53	1007	34.7	3.51	0.3	—	
1603	NM	100	3.36	—	end	purge	—	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 1602

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: ~~3/20/17~~ 3/1/18 TASK: 532.30 WELL ID: MW-23

Time 903 Static DTW (ft below reference point)	111.16	Casing Volume (CV) (gallons) 80 3 CV (gallons) 240	Weather Conditions	Initials: TBEINES
Casing Total Depth (ft below reference point)	232	Purging Device Dad pump Sampling Device ND pipe stand	Time 900 Temp. 70	Begin Purge 912 End Purge 937
Water Column (feet)	120.82	Pump: Depth (ft brp) — Type Grundfos Voltage 240 HP	Skies clear	Gallons Purged 255 CVs Purged 3.2
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast x	Wind (mph) 0 From —	DTW (ft brp) 111.18 Time 903

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
912	111.18	0	0	—	Begin Purge						Q≅ 11 gpm
916	113.70	40	0.5	21.3	7.54	1434	43.9	3.17	19.4	—	
920	113.72	80	1.0	21.3	7.40	1438	53.1	3.42	0.9	—	
924	113.73	120	~~125~~ 1.5	21.3	7.36	1439	59.4	3.43	0.3	—	
927	113.74	160	2.0	21.3	7.30	1438	64.5	3.44	1.6	—	
931	113.76	200	2.5	21.3	7.28	1440	68.4	3.45	0.6	—	
935	113.78	240	3.0	21.3	7.26	1441	71.1	3.45	1.0	—	
937	NM	255	3.2	—	pump off						

SAMPLE COLLECTION SAMPLE TIME 936

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	0	1 L Amber
8270 MOD 1,4 dioxane	0	1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 532.30 WELL ID: MW-19

Time 953 Static DTW (ft below reference point)	114.25	Casing Volume (CV) (gallons) 60	3 CV (gallons) 180	Weather Conditions	Initials: DE/NES
Casing Total Depth (ft below reference point)	205.5	Purging Device Ded pump	Sampling Device ND pipe stand	Time 9:48 Temp. 70	Begin Purge 957 End Purge 1019
Water Column (feet)	90.75	Pump: Depth (ft brp) Type Grundfos Voltage 240 HP		Skies clear	Gallons Purged 189 CVs Purged 3.15
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow Fast ✓		Wind (mph) 0-2 From Var.	DTW (ft brp) 114.25 Time 953

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (° C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
957	114.25	0	0	—	— Begin		Purge	—			Q ≈ 8 gpm
1000	117.23	30	0.5	21.2	7.67	1699	-65.1	6.61	10.4	—	
1004	117.22	60	1.0	21.2	7.42	1717	-27.3	5.55	6.0	—	
1007	117.23	90	1.5	21.2	7.31	1719	-0.3	5.39	3.6	—	
1010	117.24	120	2.0	21.2	7.26	1717	18.8	5.28	5.1	—	
1014	117.26	150	2.5	21.2	7.23	1718	32.0	5.24	2.5	—	
1018	117.28	180	3.0	21.2	7.20	1718	27.2	5.22	2.4	—	
1019	NM	189	3.15	—	— end	purge		—			

SAMPLE COLLECTION SAMPLE TIME 1018

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane		1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 532.30 WELL ID: MW-34C

Time 1059 Static DTW (ft below reference point)	132.72	Screen ~~Casing~~ Volume (~~GV~~) SV (gallons) 64	SV ~~3 CV~~ (gallons) 192	Weather Conditions
Casing Total Depth (ft below reference point)	576	Purging Device del pump	Sampling Device ND pump	Time 1058 Temp. 70
pump to screen Water Column (feet)	96	Pump: Depth (ft brp) 470 Type grundfos	Voltage 240 HP —	Skies clear
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ___ Fast ✓		Wind (mph) 2-5 From E

Initials: TJF/NES
Begin Purge 1103 End Purge 1115
Gallons Purged 228 CVs Purged 3.6
DTW (ft brp) 132.72 Time 1059

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1103	132.72	0	0	——	Begin		Purge	——			Q≅ 20 gpm
1104	154.51	30	0.5	21.1	7.65	822	82.4	0.37	0.4	—	
1106	157.47	64	1.0	21.6	7.81	606	-159.0	0.07	0.5	—	
1108	158.50	96	1.5	21.7	7.63	954	-144.6	0.01	0.2	—	
1110	159.00	128	2.0	21.7	7.57	959	-134.7	0.02	0.2	—	
1112	159.40	160	2.5	21.7	7.52	957	-128.9	0.03	0.3	—	
1113	159.81	192	3.0	21.8	7.50	958	125.9	0.05	0.3	—	
1115	NM	228	3.6	——	end		purge	——			

SAMPLE COLLECTION SAMPLE TIME 1114

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 53230 WELL ID: MW-34A

Time 1128 Static DTW (ft below reference point)	131.95	Screen ~~Casing~~ Volume (~~GV~~) (gallons) 53	SV 3 ~~GV~~ (gallons) 159	Weather Conditions
Casing Total Depth (ft below reference point)	280	Purging Device bel pump	Sampling Device 0-10 stuff pipe	Time 1125 Temp. 70
pump to Screen Water Column (feet)	80	Pump: Depth (ft brp) 200 Type grundfos	Voltage 240 HP	Skies mostly sunny
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 2-5 From E

Initials: TJF/NES
Begin Purge 1128 End Purge 1147
Gallons Purged 362 CVs Purged 6.8
DTW (ft brp) Time

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1129	131.95	0	0	— Begin		Purge					Q ≈ 21 gpm
1130	135.00	26	0.5	21.2	7.26	1376	-54.6	3.77	163	–	
1132	135.01	53	1.0	21.3	7.20	1393	-21.6	5.22	179	–	
1133	135.02	78	1.5	21.3	7.18	1392	-2.8	5.29	46.7	–	
1134	135.02	106	2.0	21.3	7.16	1390	9.2	5.30	131	–	
1136	135.02	132	2.5	21.3	7.14	1392	18.2	5.34	62.9	–	
1137	135.02	167	3.2	21.3	7.13	1393	24.6	5.35	52.3	–	
1138	135.02	184	3.5	21.3	7.13	1393	29.2	5.37	40.6	–	
1141	135.02	246	4.6	21.3	7.12	1393	37.4	5.39	20.3	–	
1143	135.02	290	5.5	21.3	7.12	1393	41.0	5.39	15.8	–	
1145	135.03	319	6.0	21.3	7.11	1393	42.0	5.39	14.9	–	sample, pump off @ 1147

SAMPLE COLLECTION SAMPLE TIME 1145

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 032.30 WELL ID: MW-34B

Time 1200 Static DTW (ft below reference point)	131.20	Screen ~~Casing~~ Volume (~~GV~~ SV) (gallons) 50	3 ~~GV~~ SV (gallons) 150	Weather Conditions
Casing Total Depth (ft below reference point)	536	Purging Device del pump	Sampling Device >100 stainless steel pipe	Time 1155 Temp. 75
screen Water Column (feet)	76	Pump: Depth (ft brp) 460 Type grundfos	Voltage 240 HP	Skies clear
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 25 From E

Initials: TJFINES
Begin Purge 1205 End Purge 1219
Gallons Purged 265 CVs Purged 5.3
DTW (ft brp) 131.20 Time 1200

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1205	131.20	0	0	← Begin			Purge →				Q≅ 19 gpm
1207	133.70	25	0.5	21.2	7.26	943	9.1	1.22	2.0	—	
1208	133.85	50	1.0	21.6	7.31	871	12.4	1.58	13.8	—	
1209	133.87	75	1.5	21.6	7.32	872	16.1	1.60	10.5	—	
1210	133.92	100	2.0	21.6	7.32	873	18.5	1.60	9.3	—	
1212	133.98	125	2.5	21.7	7.33	873	20.3	1.60	8.6	—	
1213	134.01	150	3.0	21.7	7.34	873	21.8	1.58	8.8	-	
1219	NM	265	5.3	— end	purge	→					

SAMPLE COLLECTION SAMPLE TIME 1214

ANALYSIS	QUANTITY	TYPE
8260B VOCs	9	40 ml VOA
8270 SIM 1,4 dioxane	2	1 L Amber
8270 MOD 1,4 dioxane	1	1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. (Y) N

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

Duplicate @ 1224

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/1/18 TASK: 53230 WELL ID: MW-32C

Time 1320 Static DTW (ft below reference point)	61.30	~~Casing~~ Volume (~~CV~~ SU) (gallons) 318	3 ~~CV~~ SU (gallons) 954	Weather Conditions	Initials: TJE/NES
Casing Total Depth (ft below reference point)	1090	Purging Device Ded pump	Sampling Device ND Pipe stem	Time 1320 Temp. 75	Begin Purge 1323 End Purge 1454
screen Water Column (feet)	530	Pump: Depth (ft brp) 560 Type Grundfos	Voltage 240 HP	Skies clear	Gallons Purged 967 CVs Purged 3.1
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast X	Wind (mph) 0-2 From S	DTW (ft brp) 61.30 Time 1320

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1323	61.30	0	0	→ Begin Purge						→	Q= 12 gpm
1336	>141.00	159	0.5	20.8	7.86	550	-212.3	007	0.0	—	
1350	>141.00	318	1.0	21.1	7.82	547	-204.7	0.11	0.2	—	
1406	NM	477	1.5	21.4	7.82	546	-188.9	0.13	3.5	—	
1421	NM	636	2.0	21.4	7.85	545	-186.6	0.14	1.1	—	
1437	NM	795	2.5	21.4	7.87	545	-185.6	0.14	0.8	—	
1452	NM	954	3.0	21.4	7.89	545	-186.2	0.14	0.5	—	
1454	NM	967	3.1	→ end purge						→	

SAMPLE COLLECTION SAMPLE TIME 1453

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms. Y (N)

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/2/18 TASK: 532.30 WELL ID: MW-33

Time 815 Static DTW (ft below reference point)	67.30	Screen Casing Volume (~~CV~~) (gallons) 29	3 ~~CV~~ (gallons) 87
Casing Total Depth (ft below reference point)	1020	Purging Device Ded pump	Sampling Device 0-10 rip stand
screen Water Column (feet)	48.5	Pump: Depth (ft brp) 575 Type Grundfos	Voltage 240 HP
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast ~

Weather Conditions: Time 815 Temp. 60; Skies rain; Wind (mph) 0 From –

Initials: TJE/NES; Begin Purge 821 End Purge 910; Gallons Purged 911 CVs Purged 31; DTW (ft brp) 67.30 Time 815

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
821	67.30	0	0	—	Begin	Purge		—	—	—	Q≈ 18 gpm
826	69.59	78	0.26	20.2	7.60	724	-82.7	0.13	0.2	–	
829	69.60	144	0.5	20.4	7.62	725	-91.1	0.16	0.1	–	
833	69.72	221	0.75	20.5	7.61	715	-78.4	0.13	0.3	–	
840	69.84	348	1.2	20.7	7.59	723	-73.0	0.46	0.2	–	
845	69.89	436	1.5	20.7	7.57	722	-67.2	0.49	0.3	–	sample /15SU
853	70.03	596	2.0	20.7	7.57	722	-59.8	0.49	0.4	–	
900	70.09	727	2.5	20.8	7.55	722	-55.8	0.48	0.4	–	
909	70.14	873	30	20.8	7.54	722	-54.6	0.48	0.5	–	
910	NM	911	3.1	—	—	pump	off	—	—		

SAMPLE COLLECTION SAMPLE TIME 910

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3 6	40 ml VOA
8270 SIM 1,4 dioxane	1 2	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber

DUPLICATES / SPLITS / BLANKS? Y (N)
If yes, complete appropriate forms.

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

MW-33 - 1.5 - SU @ 845

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 3/2/18 TASK: 532.30 WELL ID: MW-3T

Time 950 Static DTW (ft below reference point)	71.84	Casing Volume (~~EV~~ SV) (gallons) 271 3-~~EV~~ SV (gallons) 813	Weather Conditions	Initials: JE/NES
Casing Total Depth (ft below reference point)	1012	Purging Device Ded pump Sampling Device ND Pump Ded	Time 1000 Temp. 60	Begin Purge 1000 End Purge 1042
~~Screen~~ Water Column (feet)	452	Pump: Depth (ft brp) 560 Type Grundfos Voltage 240 HP —	Skies rain	Gallons Purged 900 CVs Purged 33
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Wind (mph) 0-2 From W	DTW (ft brp) 71.84 Time 950

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	FIELD PARAMETERS Temp. (°C)	pH	EC (µS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1000	71.84	0	0	— Begin		Purge				-	Q≅ 21 gpm
1006	86.65	136	0.5	21.5	8.40	436	-151.3	0.01	0.4	-	
1012	86.90	271	1.0	22.0	8.58	427	-228.7	0.05	0.5	-	
1018	87.05	407	1.5	22.3	8.57	432	-218.9	0.08	0.5	-	Q≅ 22gpm
1025	87.14	542	2.0	22.3	8.47	437	-210.1	0.09	0.5	-	
1031	87.22	677	2.5	22.3	8.42	440	-205.5	0.10	0.5	-	
1036	87.30	813	3.0	22.4	8.39	443	-202.5	0.11	0.5	-	
1042	NM	900	33	—		pump	off		—	→	

SAMPLE COLLECTION SAMPLE TIME 1040

ANALYSIS	QUANTITY	TYPE
8260B VOCs	9	40 ml VOA
8270 SIM 1,4 dioxane	3	1 L Amber
8270 MOD 1,4 dioxane		1 L Amber
DUPLICATES / SPLITS / BLANKS? If yes, complete appropriate forms	2	(Y) N

AIR MONITORING PID/FID ppm: VAULT NA BKGD NA BREATHING ZONE NA DISCHARGE WATER NA

NOTES (Color, odor, sand and silt content, factors possibly affecting samples, condition of vault, wellhead, sampling apparatus, etc.)

MS/MSD collected

APPENDIX C

CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER
UNIT B HYDROGRAPHS

APPENDIX C

CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER
UNIT B HYDROGRAPHS

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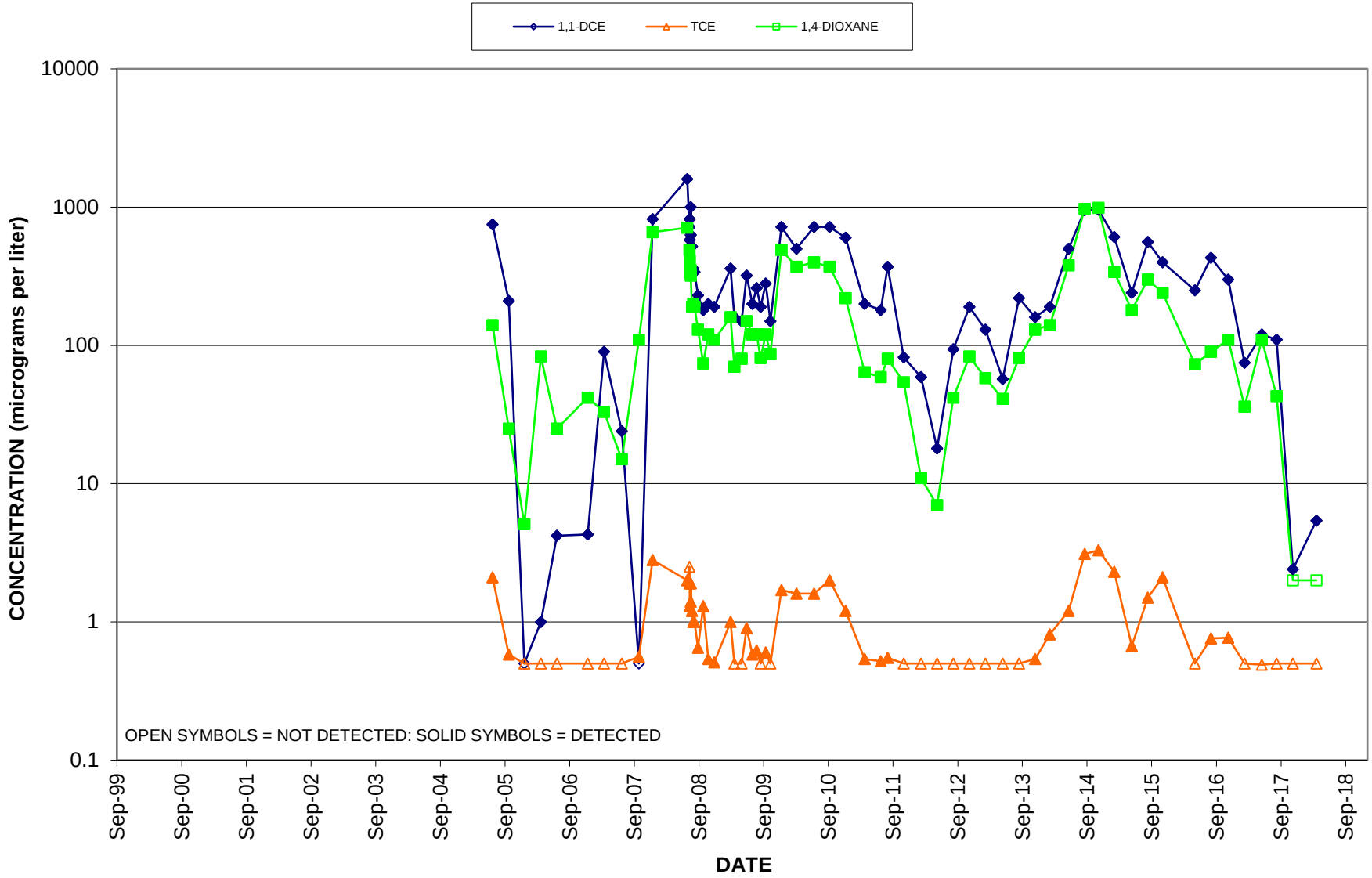
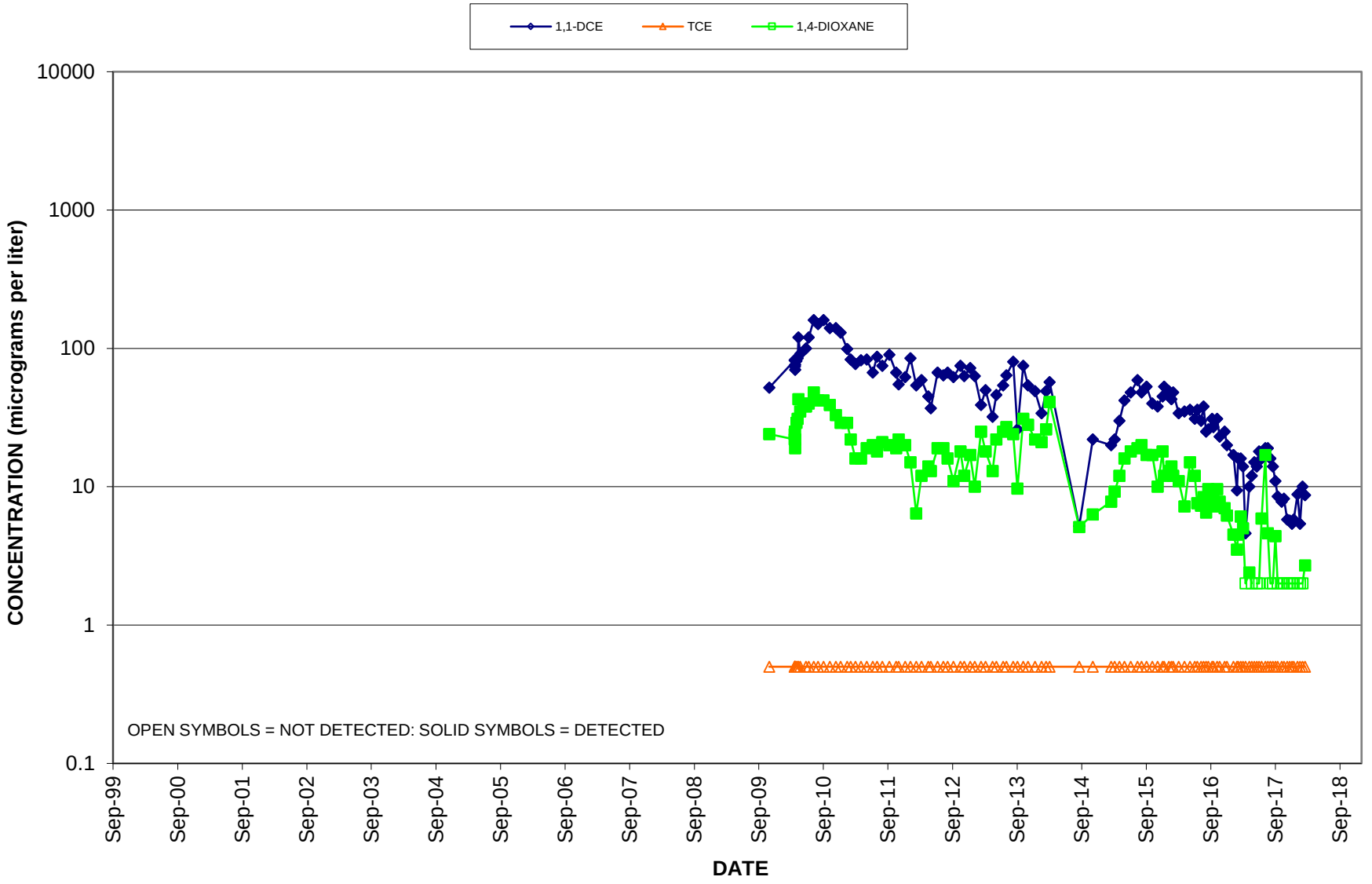
FIGURE C-1: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, EW-01



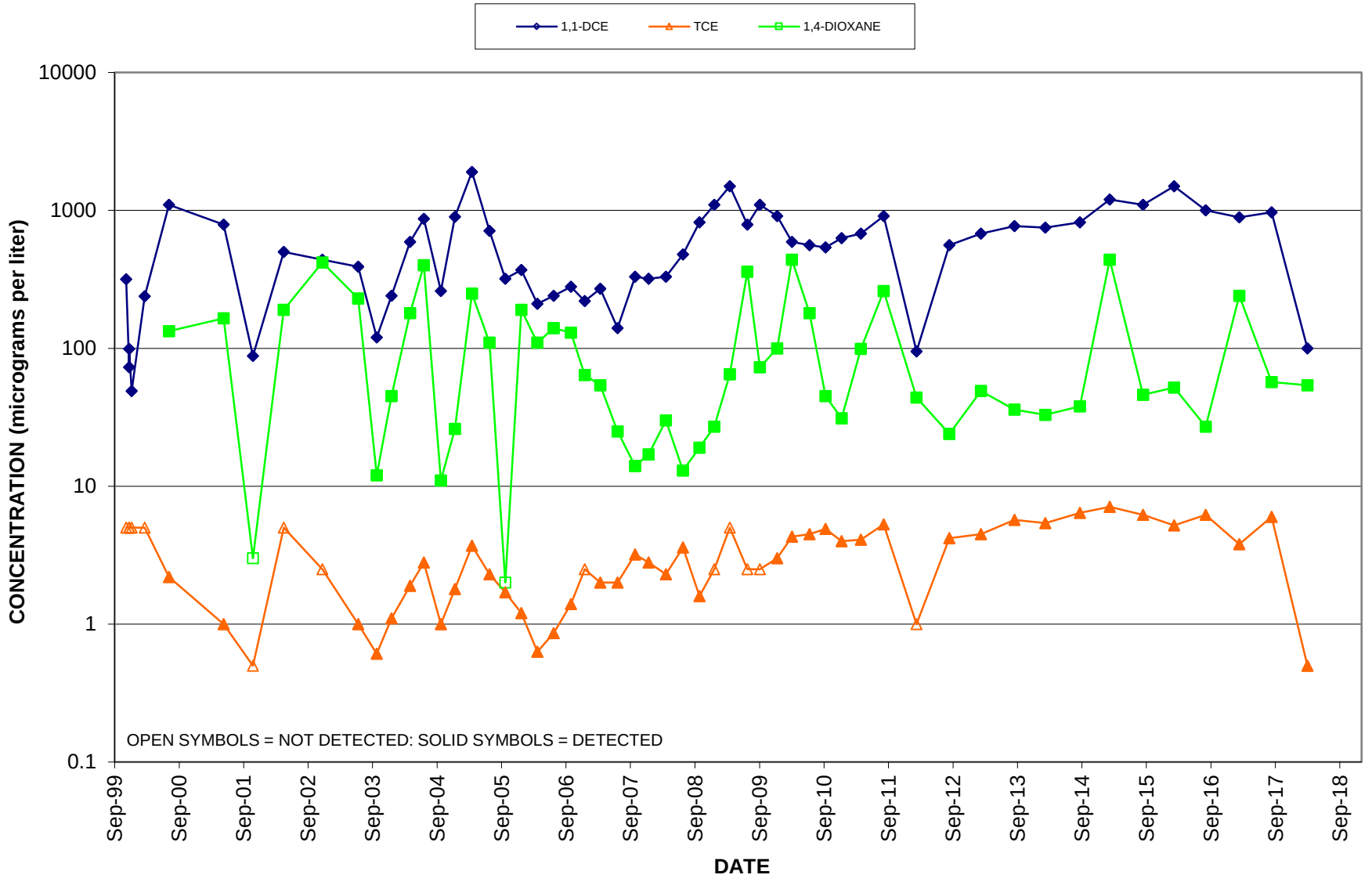
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-2: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, EW-02



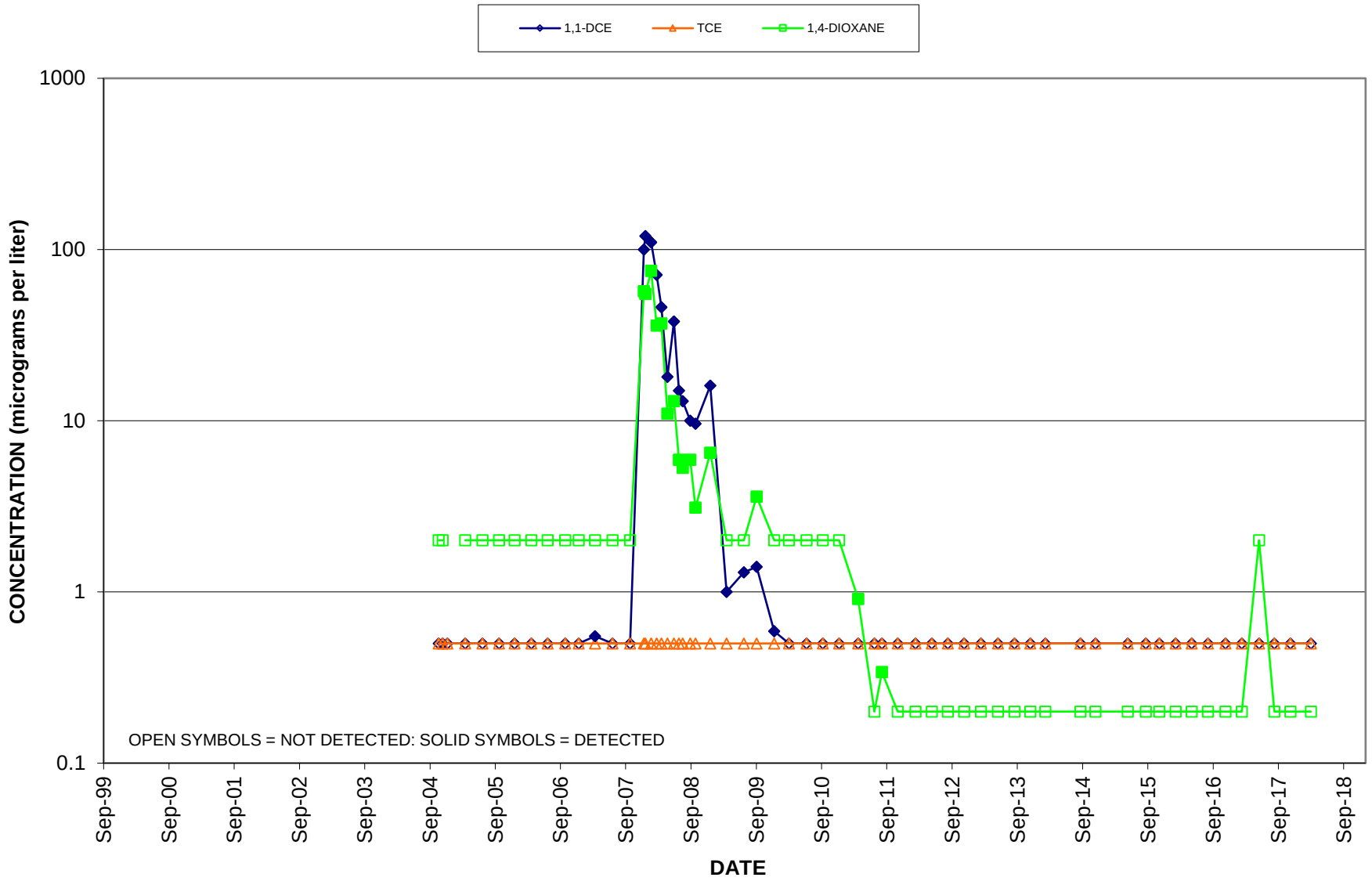
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-3: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-16



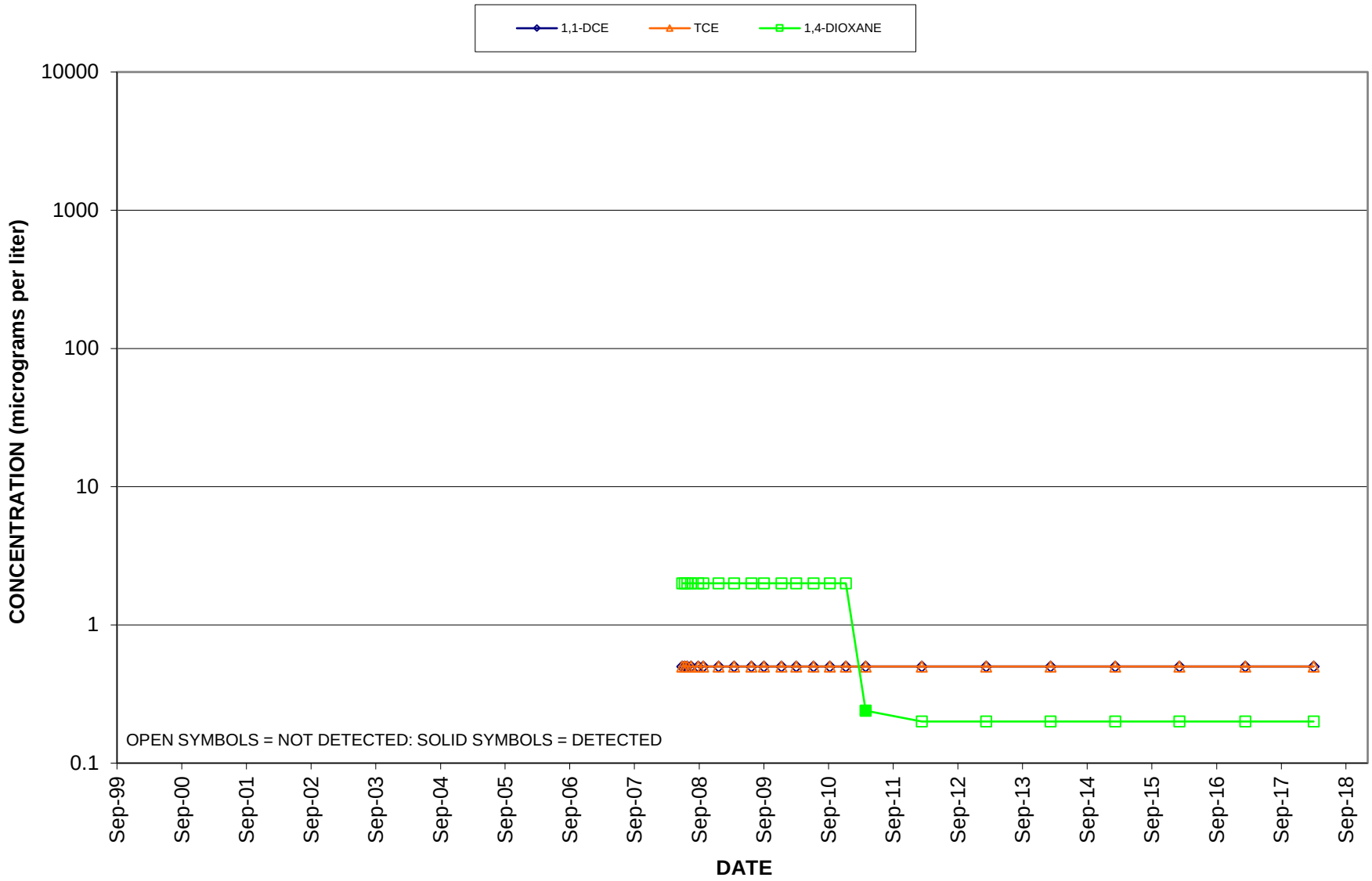
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-4: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-26C



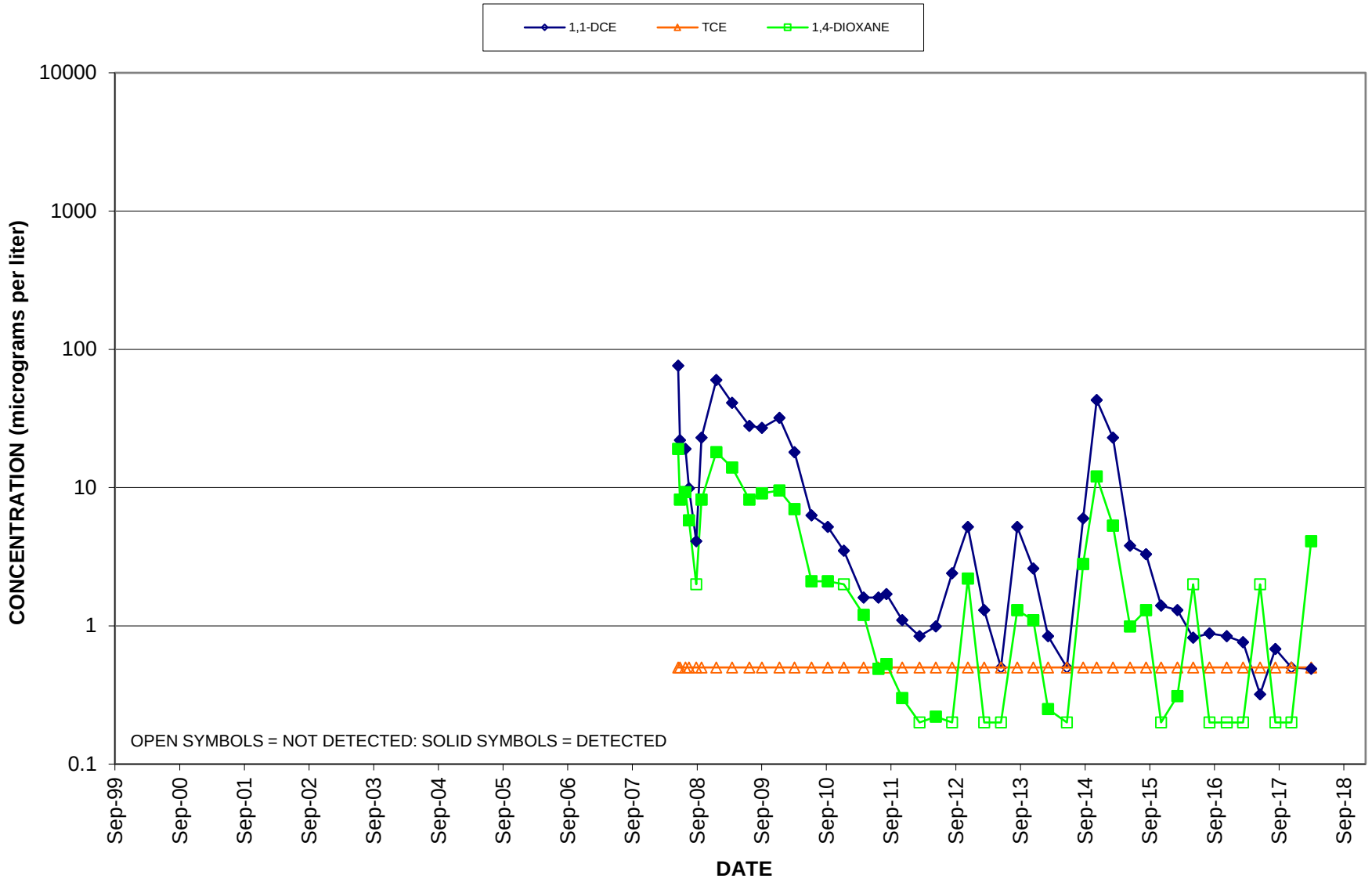
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-5: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-27



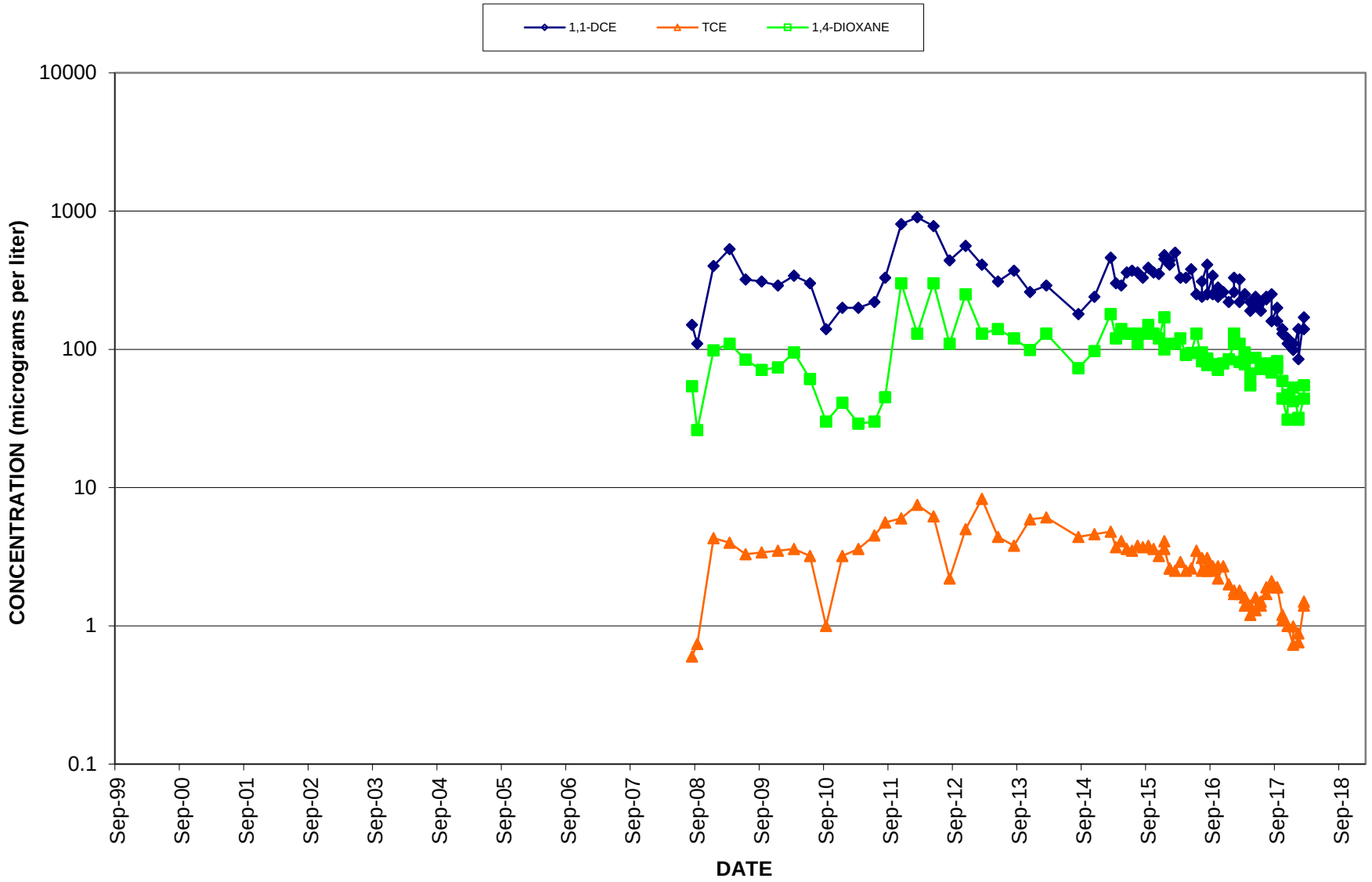
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-6: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-28



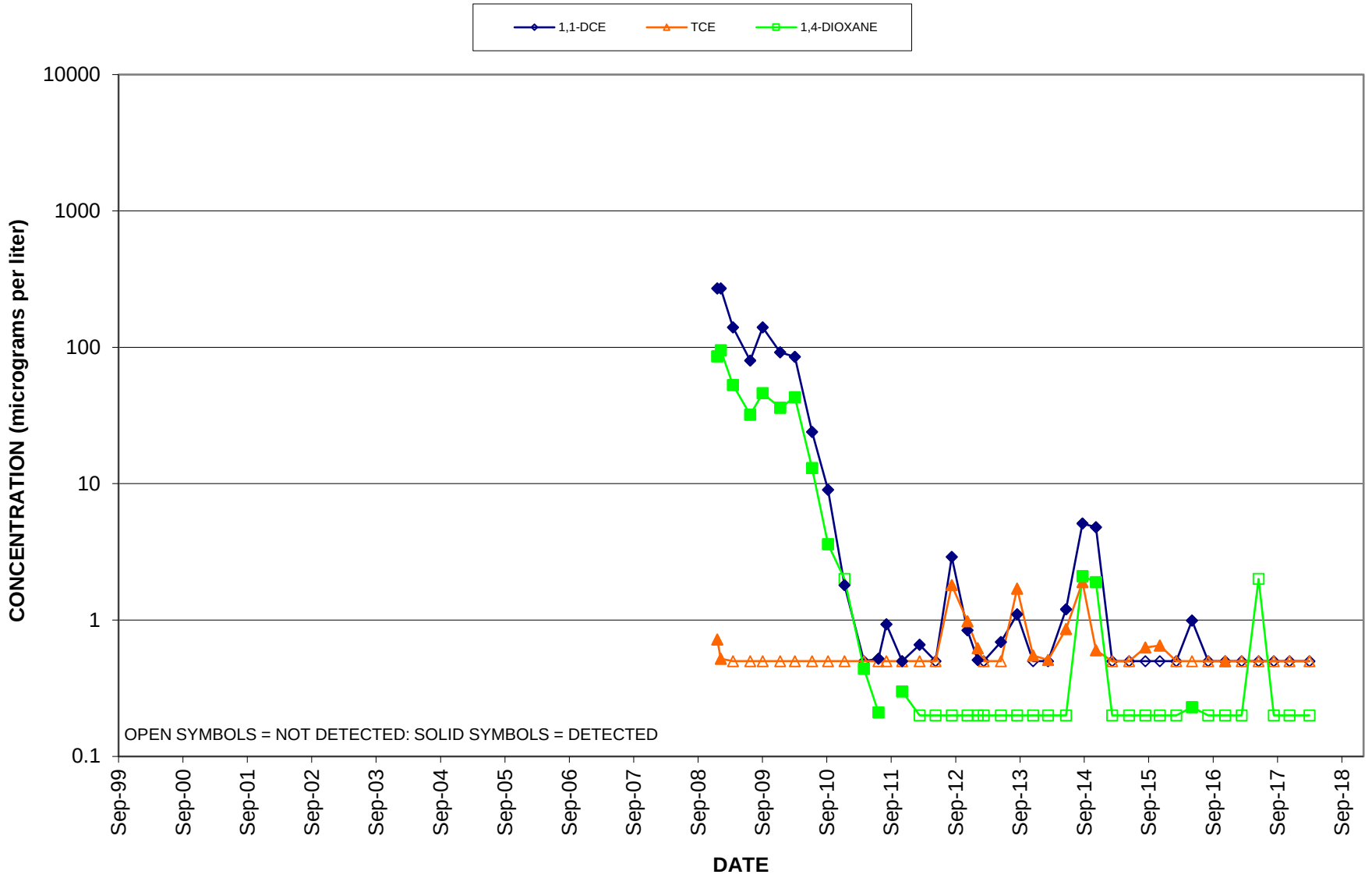
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-7: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-29



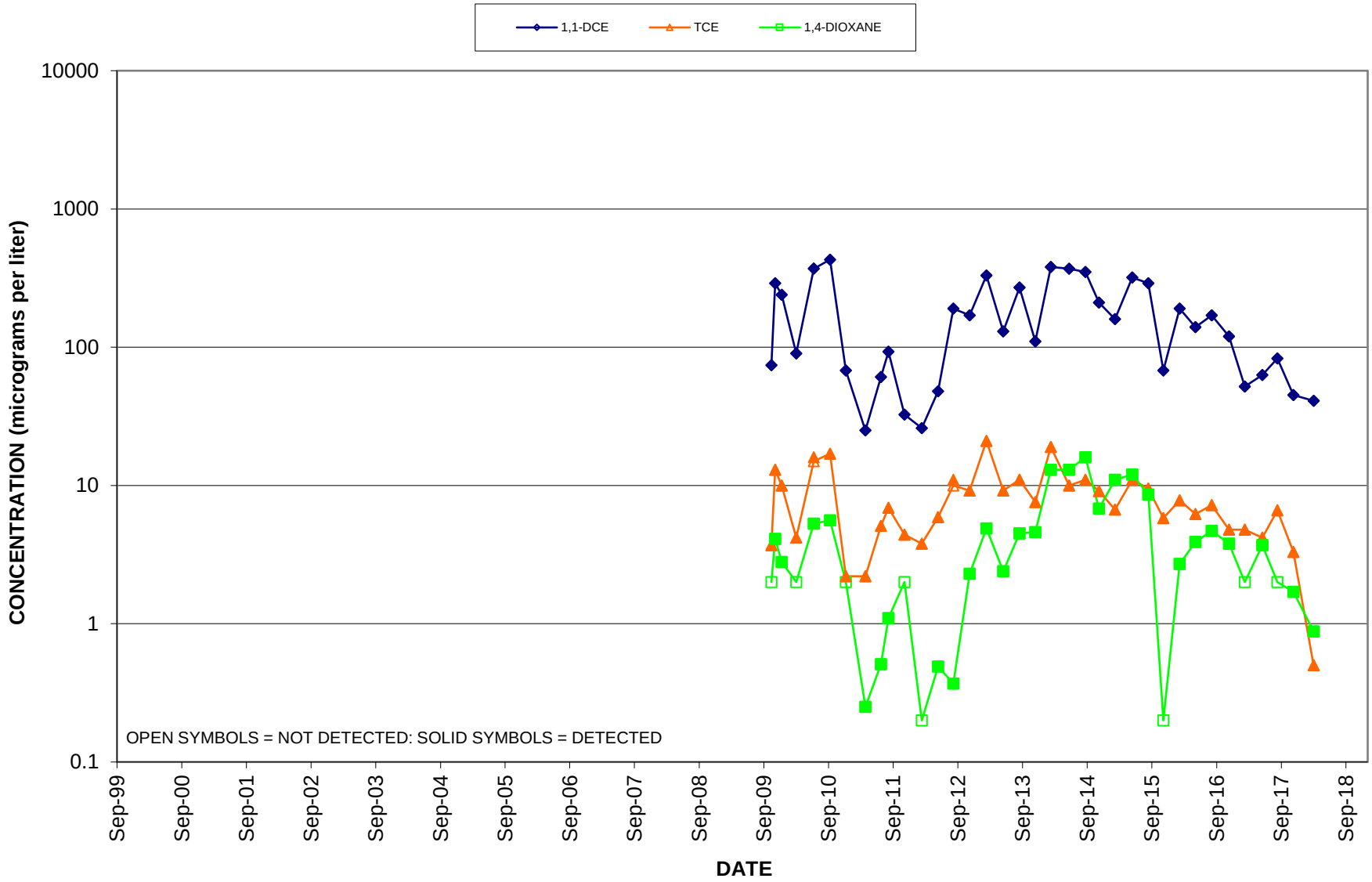
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-8: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-30A



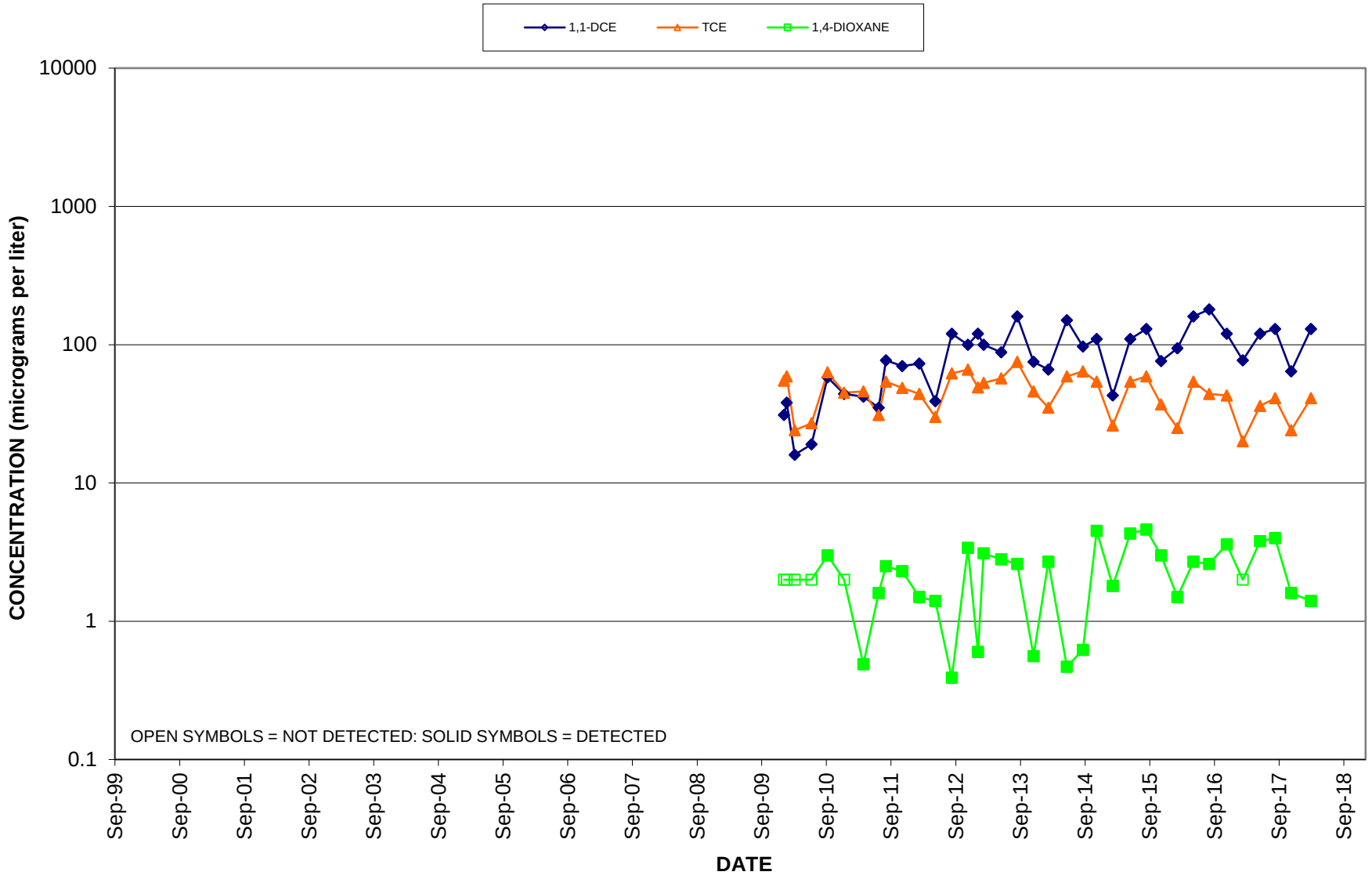
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-9: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-31



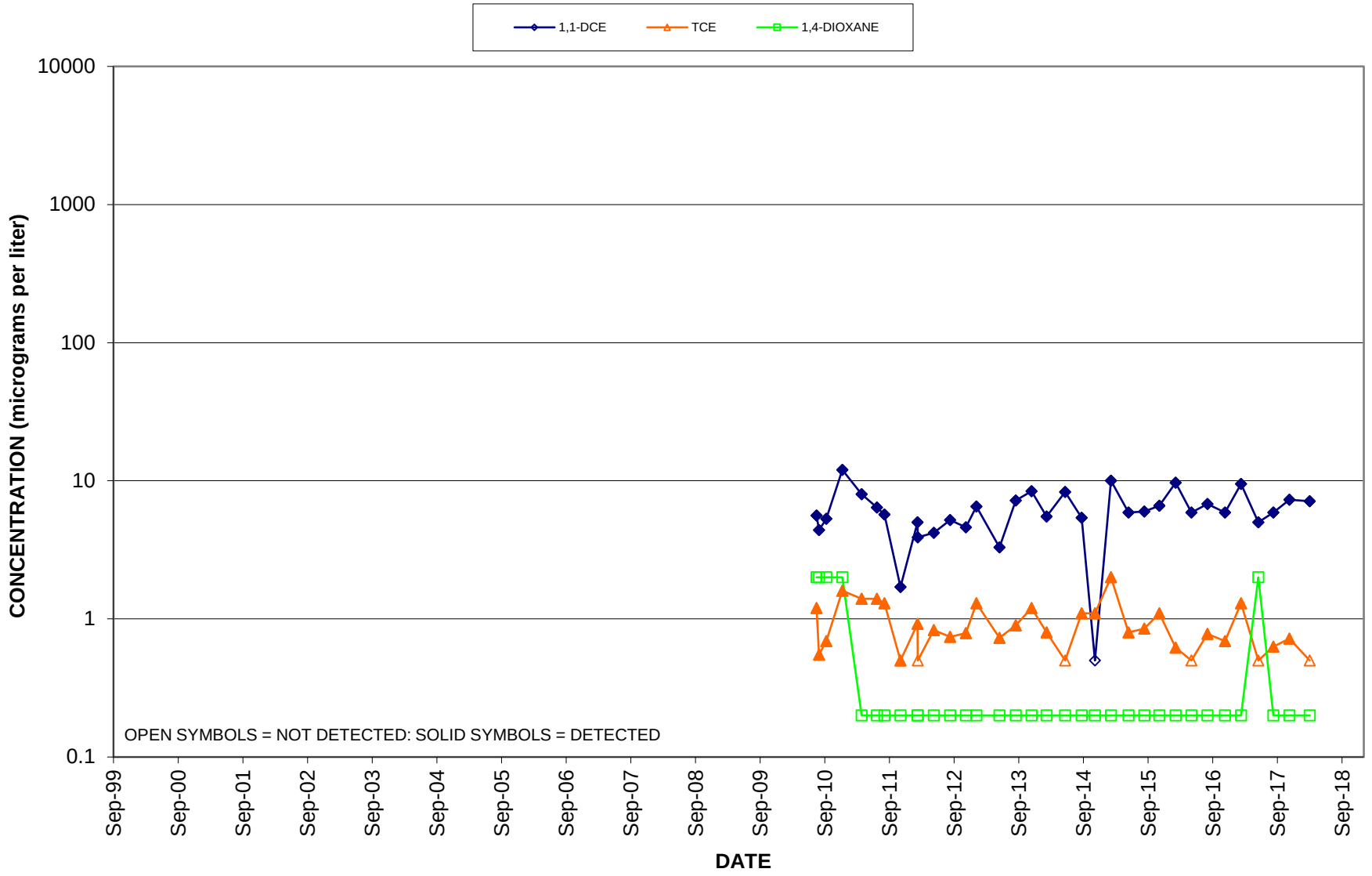
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-10: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-32B



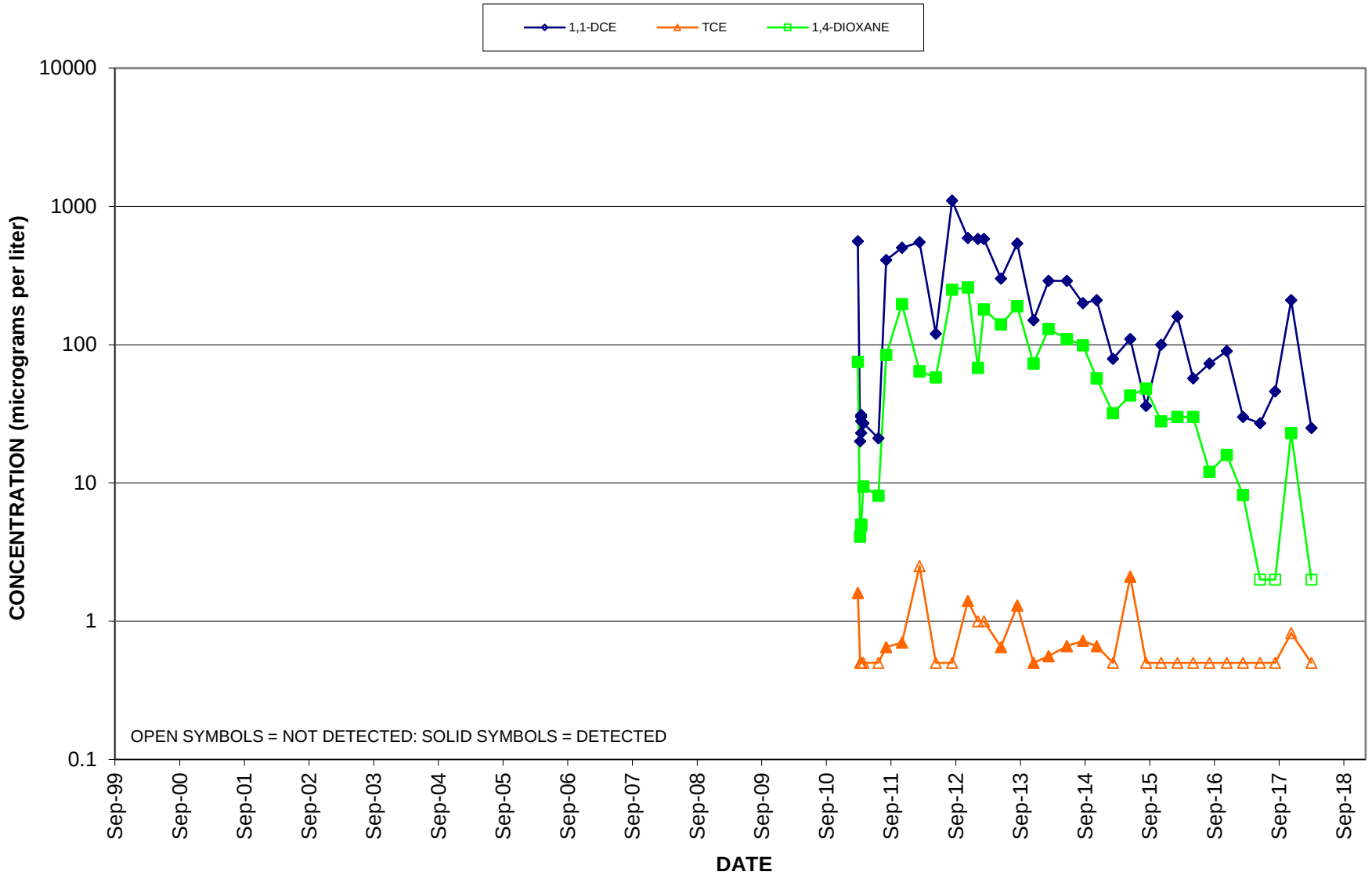
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-11: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-33



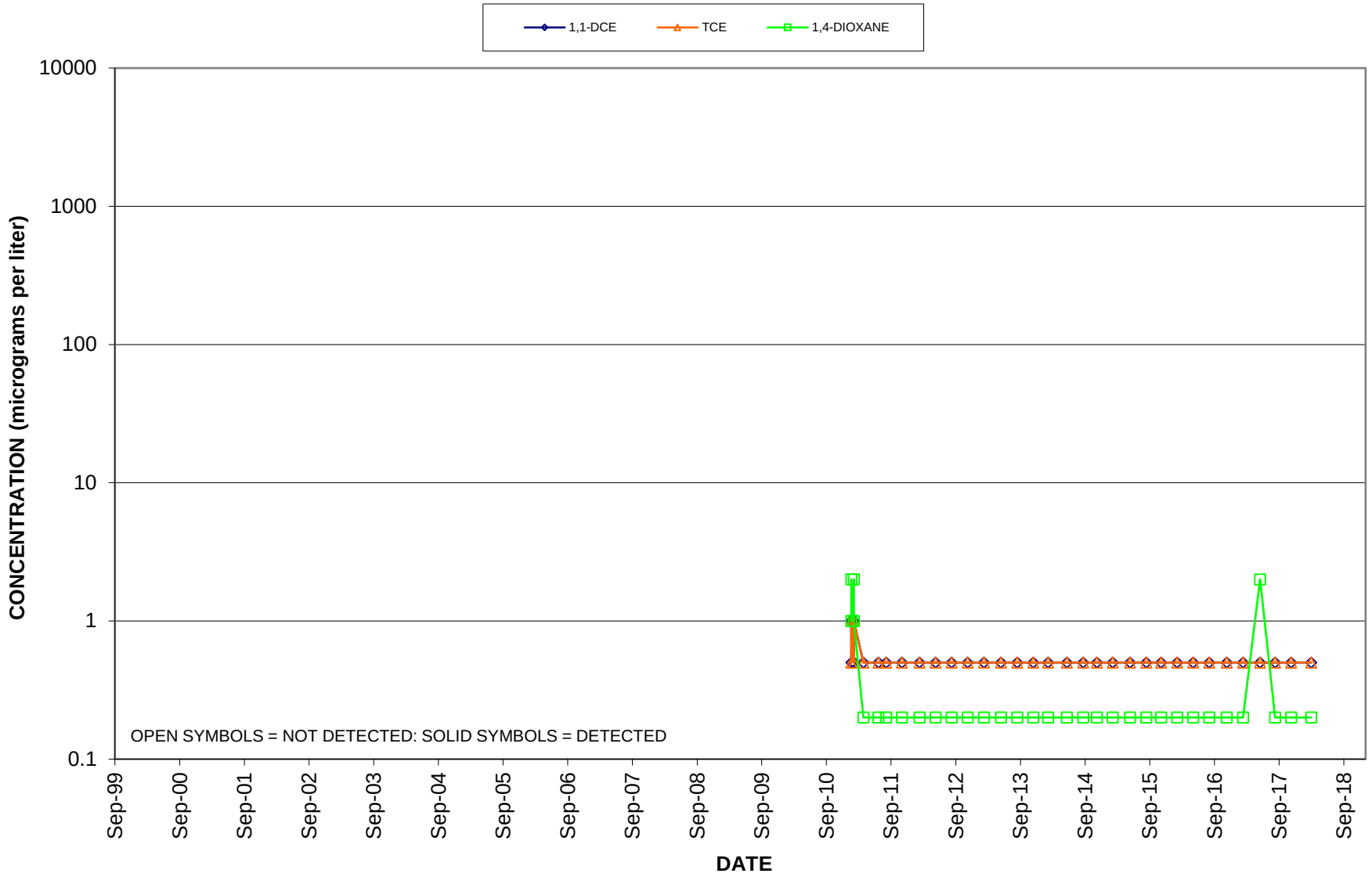
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-12: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-34B



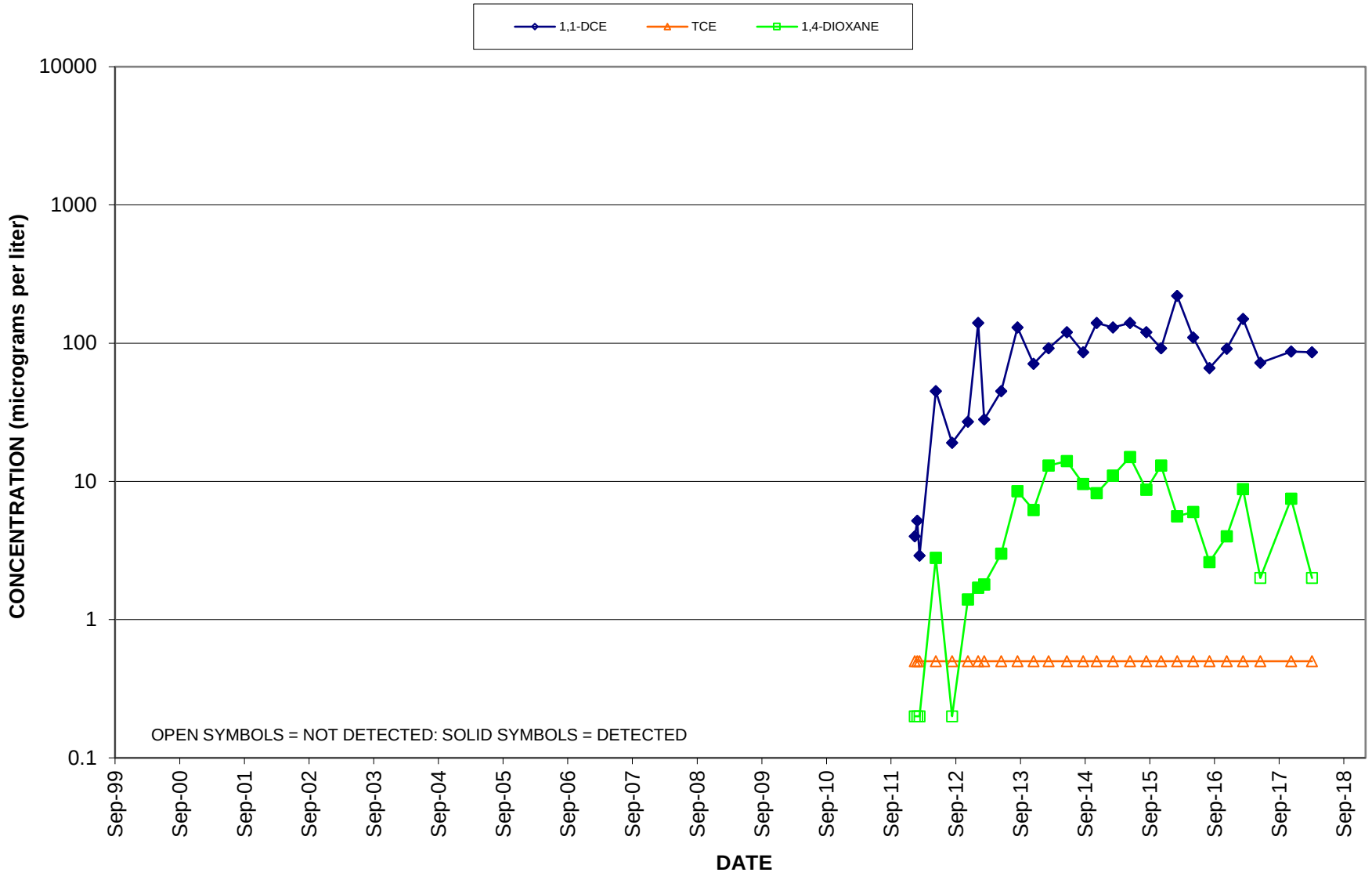
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-13: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-35C



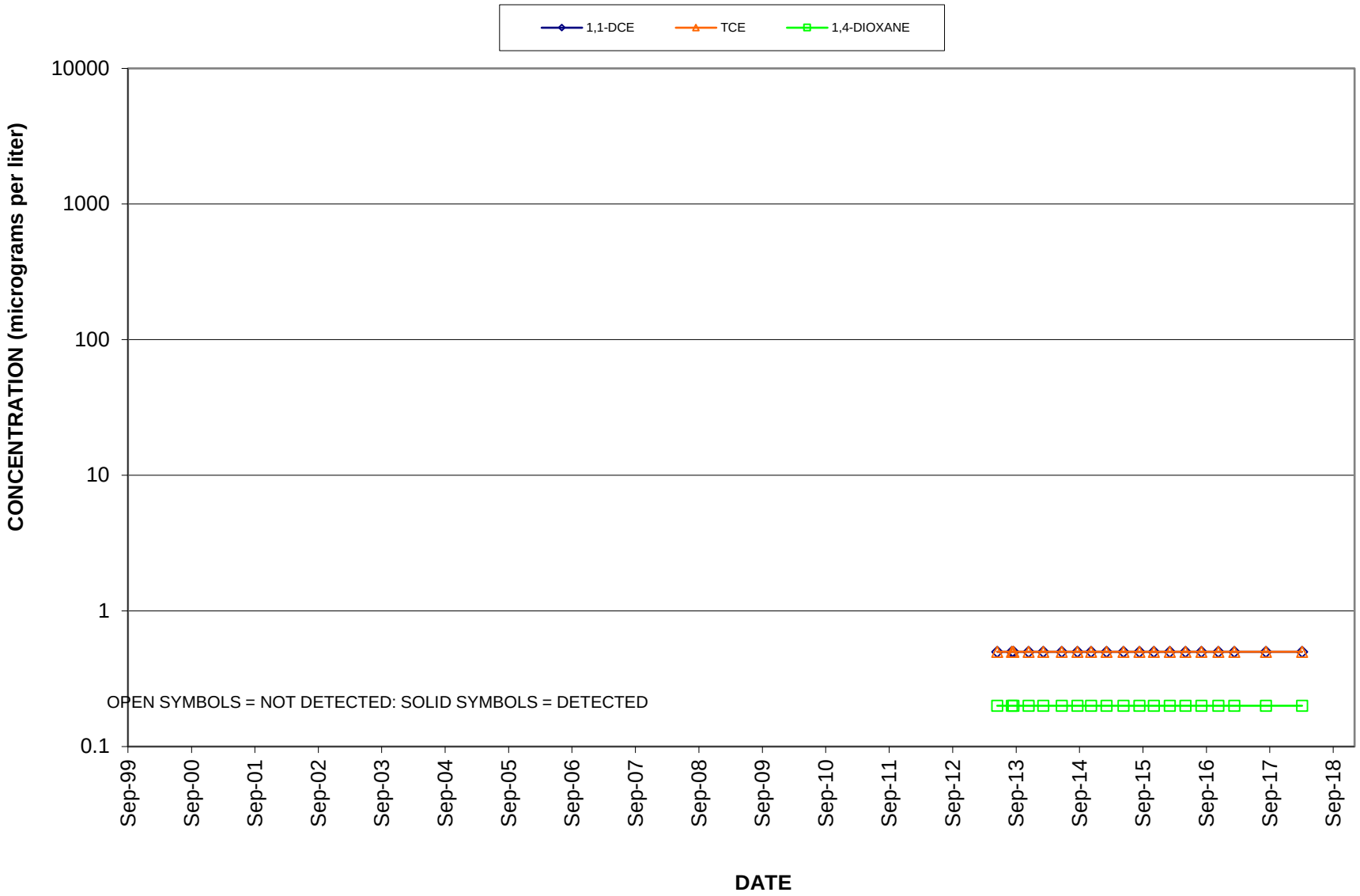
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-14: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-36



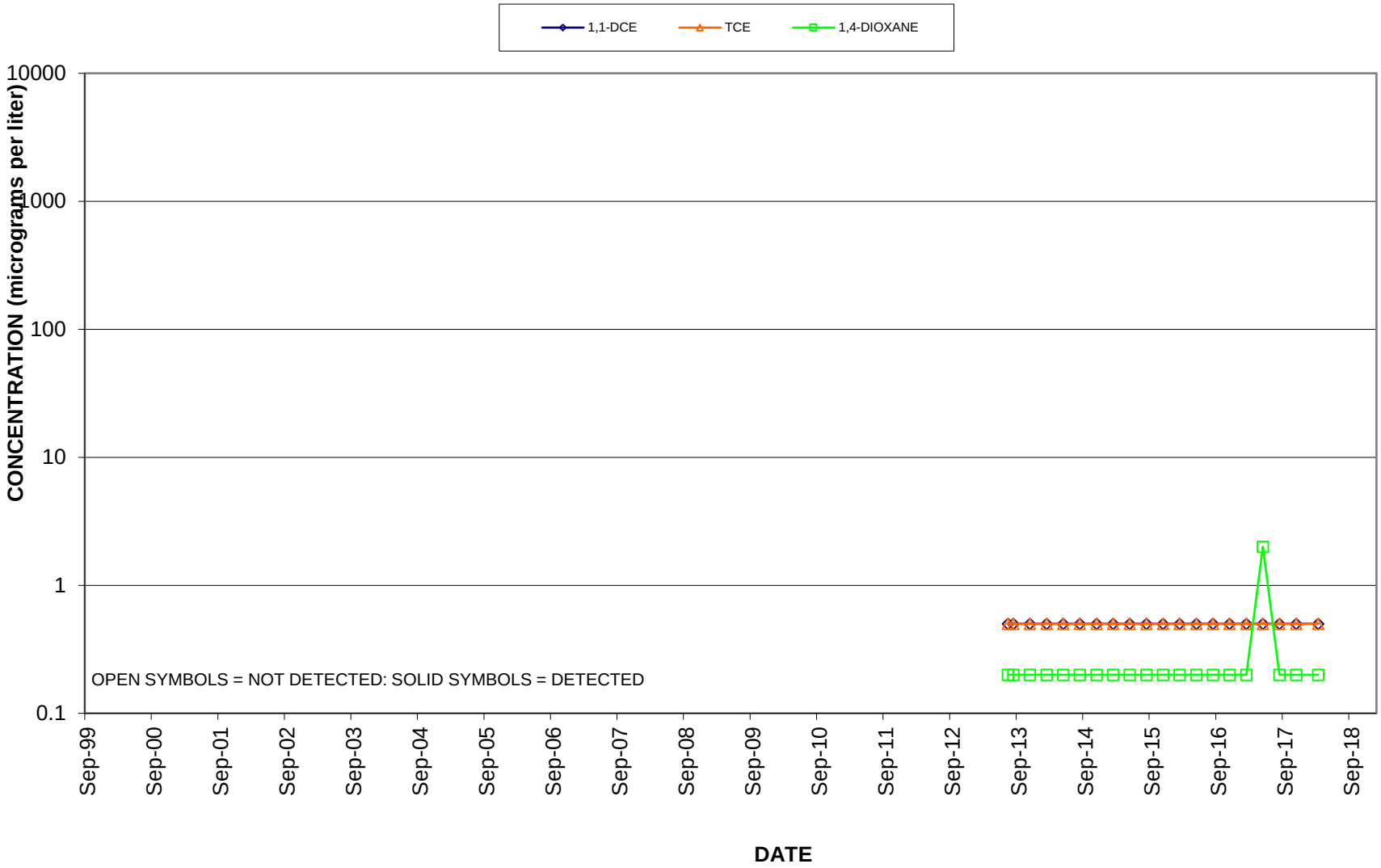
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-15: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-39



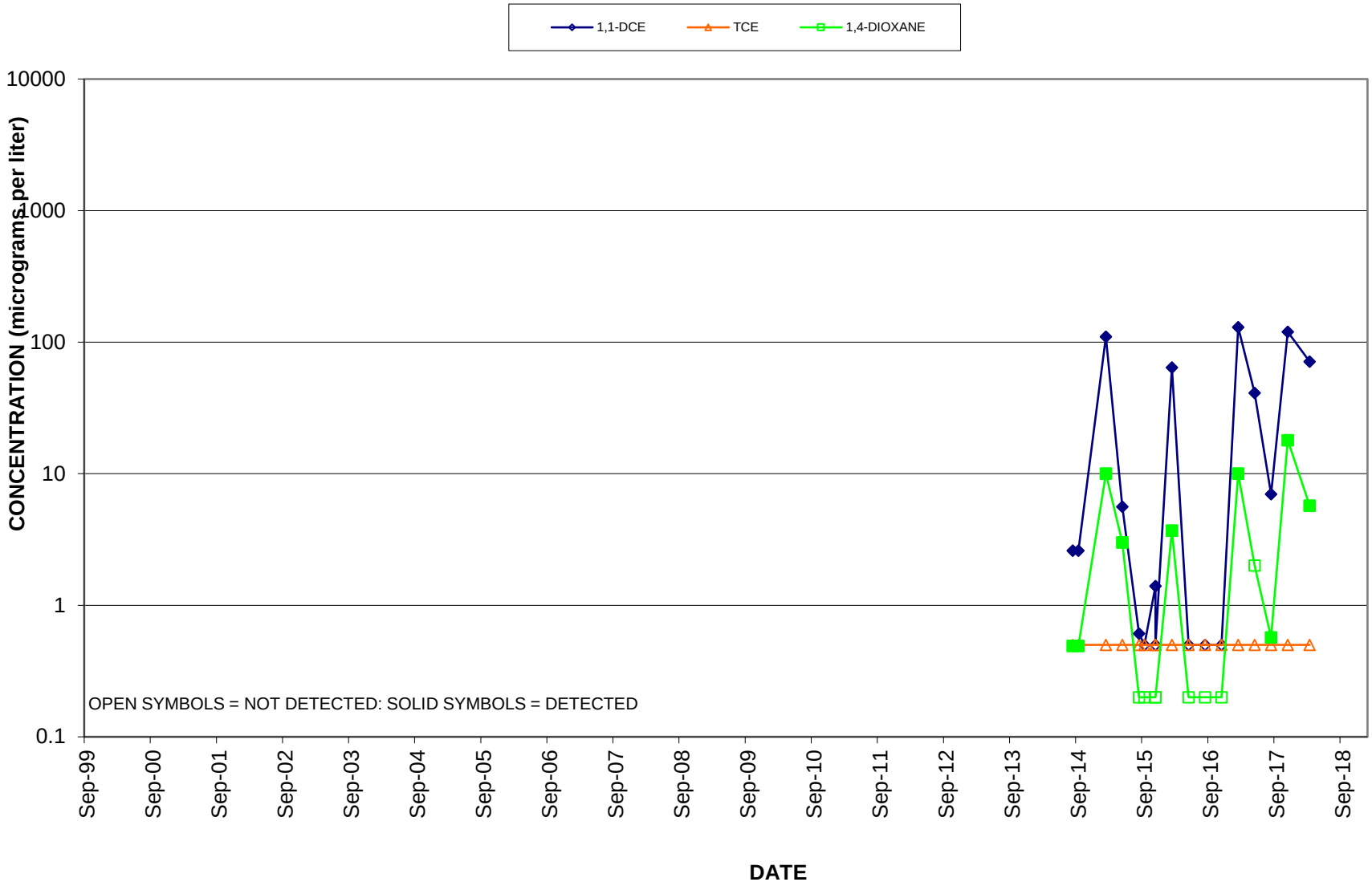
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-16: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-40



1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-17: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-41



1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene