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August 3, 2022

VIA FEDERAL EXPRESS – STANDARD

Mr. Steven Rounds
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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, 2020/2021 Annual Report, Raytheon Company, (Former Hughes Aircraft Company) Facility, 1901 West Malvern Avenue, Fullerton, California

Dear Mr. Rounds:

The above-referenced report was prepared on behalf of Raytheon Company by Hargis + Associates, Inc. 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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AUGUST 3, 2022

RESULTS OF GROUNDWATER MONITORING AND GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING 2020/2021 ANNUAL REPORT

RAYTHEON COMPANY
(FORMER HUGHES AIRCRAFT COMPANY) FACILITY
1901 WEST MALVERN AVENUE
FULLERTON, CALIFORNIA

PREPARED FOR:
RAYTHEON COMPANY

HARGIS + ASSOCIATES, INC.
ENGINEERING • HYDROGEOLOGY

RESULTS OF GROUNDWATER MONITORING AND GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING 2020/2021 ANNUAL REPORT

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(FORMER HUGHES AIRCRAFT COMPANY) FACILITY
1901 WEST MALVERN AVENUE
FULLERTON, CALIFORNIA

TABLE OF CONTENTS

Section Page

ACRONYMS AND ABBREVIATIONS vi
1. 0 INTRODUCTION 1
1.1 REGIONAL HYDROGEOLOGIC FRAMEWORK 2
1.2 SITE HYDROGEOLOGY 3
2. 0 GROUNDWATER MONITORING 5
2.1 WELL ACCESSIBILITY AND STATUS 5
2.1.1 Wells Installed Since Approval of the Sampling and Analysis Plan 5
2.1.2 Changes in Monitor Well Sampling Frequency 6
2.1.3 Deviations from Groundwater Monitoring Work Plan and Sampling and Analysis Plan 6
2.1.4 Monitor Well Pump Replacement at Monitor Well MW-32B 6
2.2 GROUNDWATER LEVELS 7
2.2.1 Perched Zone Water Levels 7
2.2.2 Regional Groundwater System Water Levels 8
2.3 CHEMICAL QUALITY OF GROUNDWATER 11
2.3.1 Perched Water Zone 12
2.3.2 Regional Groundwater System 12
2.3.2.1 Volatile Organic Compounds in Regional Groundwater System Monitor and Extraction Wells 13

TABLE OF CONTENTS (continued)

Section Page

2.3.2.2 1,4-Dioxane in Regional Groundwater System Monitor and Extraction Wells 13
2.3.2.3 Groundwater Quality in Site Hydrostratigraphic Zones 14
2.3.2.4 Groundwater Quality at City of Fullerton Airport Well 9....15
2.3.3 Quality Assurance/Quality Control 16
3. 0 GROUNDWATER EXTRACTION AND TREATMENT PILOT STUDY 19
3.1 SYSTEM OPERATION....19
3.2 WATER QUALITY PERFORMANCE MONITORING....20
3.3 WATER LEVEL PERFORMANCE MONITORING....21
4. 0 DISCUSSION 23
5. 0 STATUS OF CORRECTIVE MEASURE ACTIVITIES 29
6. 0 REFERENCES 31

TABLE OF CONTENTS (continued)

TABLES

Table		
1	GROUNDWATER MONITORING PROGRAM	
2	WELL CONSTRUCTION SUMMARY	
3	GROUNDWATER LEVELS	
4	PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER	
5	OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER	
6	PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLING SCHEDULE	
7	PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATIONAL SUMMARY	
8	SELECT COMPOUNDS MONITORED IN PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES	

FIGURES

Figure		Drawing Number
1	SITE LOCATION	410-8281 A
2	WELL AND PIEZOMETER LOCATIONS	410-10225 A
3	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT A MONITOR WELLS	--
4	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT AB MONITOR WELLS	--
5	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT B MONITOR AND EXTRACTION WELLS	--
6	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT BC MONITOR AND EXTRACTION WELLS	--
7	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT C MONITOR WELLS	--

TABLE OF CONTENTS (continued)

8	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT D MONITOR WELLS	--
9	SITE CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS-SECTION A-A'	310-1541 A
10	SITE CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS-SECTION B-B'	310-1542 A
11	REGIONAL CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS SECTION C-C'	310-1543 A
12	WATER LEVEL ELEVATIONS, MAY 2020 THROUGH FEBRUARY 2021	220-2549 A
13A	WATER LEVEL AND WATER QUALITY, UNIT B, MAY 2020	220-2530 A
13B	WATER LEVEL AND WATER QUALITY, UNIT B, AUGUST 2020	220-2533 A
13C	WATER LEVEL AND WATER QUALITY, UNIT B, NOVEMBER 2020	220-2546 A
13D	WATER LEVEL AND WATER QUALITY, UNIT B, FEBRUARY 2021	220-2548 A
14	PERCHED ZONE WATER LEVELS, CENTRAL PORTION OF SITE	--
15	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR AND EXTRACTION WELL CLUSTER EW-01/MW-16/21/24/25	--
16	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-23/26A/26B/26C	--
17	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-32A/32B/32C	--
18	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-30A/30B	--
19	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-34A/34B/34C	--
20	REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-35A/35B/35C	--

TABLE OF CONTENTS (continued)

21	1,1-DICHLOROETHYLENE, TRICHLOROETHYLENE, AND 1,4-DIOXANE IN THE REGIONAL GROUNDWATER SYSTEM, MAY 2020 THROUGH FEBRUARY 2021	210-5242 A
22	REGIONAL PRODUCTION WELLS	220-2550 A
23	F-AIRP WELL PRODUCTION AND 1,1-DICHLOROETHYLENE CONCENTRATIONS	--
24	PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATION AND EXTRACTION WELL WATER LEVELS	--
25	1,1-DICHLOROETHYLENE AND 1,4-DIOXANE CONCENTRATIONS IN EXTRACTION WELLS	--
26	1,4-DIOXANE AND BROMATE IN INFLUENT AND POST-OXIDATION SAMPLES	--
27	PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM MASS REMOVAL	--
28	WATER LEVEL AND WATER QUALITY, MONITOR WELL MW-08	--
29	SUBMERSIBLE PUMP DROP TUBE ASSEMBLY DIAGRAM	710-0945 A

APPENDICES

Appendix

A	LABORATORY ANALYTICAL REPORTS
B	GROUNDWATER SAMPLING FIELD FORMS
C	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B HYDROGRAPHS
D	HISTORICAL GROUNDWATER LEVEL, GROUNDWATER QUALITY AND PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DATA

ACRONYMS AND ABBREVIATIONS

1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethylene
AGAWP	Additional Groundwater Assessment Work Plan
ATL	Advanced Technology Laboratories, Inc., Signal Hill, California
bgs	Below ground surface
cis-1,2-DCE	cis-1,2-Dichloroethylene
CEQA	California Environmental Quality Act
CM	Conceptual Model
CMI	Corrective Measures Implementation
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
POX	Post UV-Ox
QA/QC	Quality assurance/quality control
Raytheon	Raytheon Company
RFI	RCRA Facility Investigation
RPD	Relative percent difference
SIM	Selective ion monitoring
SOP	Standard Operating Procedures
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

RESULTS OF GROUNDWATER MONITORING AND GROUNDWATER EXTRACTION AND TREATMENT PILOT TESTING 2020/2021 ANNUAL REPORT RAYTHEON SYSTEMS CORPORATION (FORMER HUGHES AIRCRAFT COMPANY) FACILITY 1901 WEST MALVERN AVENUE FULLERTON, CALIFORNIA

1.0 INTRODUCTION

This report has been prepared by Hargis + Associates, Inc. (H+A) on behalf of Raytheon Systems Corporation (Raytheon) and presents the results of groundwater monitoring and groundwater treatment pilot testing conducted during the second quarter 2020 through the first quarter 2021 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 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 the Corrective Measures Study (CMS) and Corrective Measure Implementation (CMI) 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). The groundwater treatment pilot test will continue to operate until construction for the planned full-scale CMI groundwater treatment system begins.

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 2020, August 2020, November 2020, and February 2021 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, 2011e, and 2017b).

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 of thin heterogeneities 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 groundwater 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, 2013e, and 2017b). Groundwater monitoring included quarterly water level measurements in all Site monitor wells, piezometers, and extraction wells (Figure 12). Water levels were measured on May 26, 2020, August 3, 2020, November 2, 2020, and February 16, 2021 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, 2013e, and 2017b), 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) (Appendix D).

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 CMS, two monitor wells, MW-42 and MW-43, were installed and sampled in 2019 and incorporated into the quarterly groundwater monitoring at the site (H+A, 2015c and 2019). 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, 2017b).

2.1.3 Deviations from Groundwater Monitoring Work Plan and Sampling and Analysis Plan

Two monitor wells, MW-33 and MW-34A, were not sampled in accordance with their sampling schedule outlined in the GMWP/SAP and subsequent addenda (DTSC, 2003, 2011, and 2013; H+A, 2003c, 2011a, 2011e, 2013c, 2013e, and 2017b). During the August 2020 groundwater monitoring event, groundwater samples were not collected from monitor well MW-34A due to well pump operation issues. The well pump was removed on August 7, 2020 and a new replacement submersible pump (Grundfos 22-SQE-220) was installed in monitor well MW-34A at 200 feet below ground surface on February 17, 2021. Additionally, during the February 2021 groundwater monitoring event, groundwater samples were not collected from monitor well MW-33 due to well pump operation issues. Activities to resolve pump operation issues at monitor well MW-33 will be described in the next quarterly data submittal. There were no other deviations from the GMWP/SAP during this annual reporting period.

2.1.4 Monitor Well Pump Replacement at Monitor Well MW-32B

Prior to sample collection at monitor well MW-32B, three pump-to-screen volumes are purged from monitor well MW-32B in accordance with the standard operating procedures (SOPs) for groundwater sample collection described in the AGAWP and subsequent addenda (H+A, 2003b). In an effort to explore methods of groundwater sampling that reduce the purge volume and purge time, the old submersible pump in MW-32B set at 560 feet below ground surface (bgs) was replaced with a submersible Grundfos Rediflo2 pump and drop tube assembly (Figure 29). The Grundfos Rediflo2 pump is set at 202 ft bgs and is connected to a 765 foot one-inch diameter polyvinyl chloride drop tube. The drop tube extends from the bottom of the pump to 967 feet bgs, which is just above the well screen interval at 969 - 999 ft bgs. By lowering the pump intake from 560 feet bgs to 967 feet bgs, the required pump-to-screen purge volume is reduced from approximately 800 gallons to approximately 60 gallons. The new submersible pump assembly

remains consistent with the approved SOPs for groundwater sample collection described in the AGAWP and subsequent addenda (H+A, 2003b).

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) (Appendix D). 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 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 in the perched zone do not 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 0.52 feet between February 2020 and

February 2021. 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 39 measured monitor wells and decreased in 7 measured monitor and extraction wells between February 2020 and February 2021 (Table 3; Figures 3 through 8) (H+A, 2020a). Measured decreases from February 2020 to February 2021 ranged from approximately 0.01 feet at extraction well EW-01 to as much as 8.6 feet at extraction well MW-29. Measured water level increases ranged from approximately 0.07 feet at monitor well MW-28 to approximately 6.4 at monitor well MW-38. The highest water level elevation observed in wells at the Site in February 2021 was at monitor well MW-20, at an elevation of approximately 32.5 feet above msl. The lowest water level elevation observed in monitor wells at the Site in February 2021 was at monitor well MW-43, at an elevation of approximately 15.3 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 2021, 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 steadily increased after 2014 and reached near historical highs in January 2018. Water levels have declined since early 2018 but remain steady near the highs observed in 2006, 2012, and 2018. 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 2021 water level measurements at these well clusters/nests (Table 3).

- At the Footbridge cluster, the water level elevation in monitor well MW-24 was higher than the water level elevations in the other wells in that cluster. Upwards vertical gradients were observed between both monitor well MW-16 and inactive extraction well EW-01 (Unit B); between inactive extraction well EW-01 and inactive extraction well MW-21 (Unit BC); and between inactive extraction well MW-21 and monitor well MW-24. A downward vertical gradient was observed between monitor well MW-24 (Unit C) and monitor well MW-25 (Unit D) (Figure 15).
- 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. A downward vertical gradient was observed between monitor wells MW-23 (Unit A) and MW-26A (upper Unit AB) and between monitor wells MW-26A and MW-26B (lower Unit AB). An upward gradient was observed between monitor wells MW-26B and MW-26C (Unit B) (Figure 16).
- 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. A slight upward vertical gradient was observed between monitor wells MW-32A (Unit AB) and MW-32B (Unit B) and a notable upward gradient was observed between monitor wells MW-32B (Unit B) and MW-32C (Unit C) (Figure 17).
- At the MW-30 nest, the water level elevation in monitor well MW-30B (Unit BC) was higher than the water level elevation in monitor well MW-30A (Unit B), indicating an upward vertical gradient (Figure 18).
- At the MW-34 cluster, the water level elevation in monitor well MW-34A was higher than the water level elevations in the other wells in that cluster. A downward vertical gradient

was observed between monitor wells MW-34A (Unit A) and MW-34B (Unit B); and an upward gradient was observed between monitor wells MW-34B and MW-34C (Unit C) (Figure 19).

- 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 (course-grained unit above Unit A found south of Malvern Ave.) and MW-35B (Unit A) and between monitor wells MW-35B and MW-35C (Unit B) (Figure 20).

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-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 2021, vertical hydraulic gradients at all well clusters/nests were generally towards the Unit B, with the exception of the monitor well MW-23-MW-26A/B/C cluster, where it appears a periodic 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, 30 regional groundwater monitor wells, and 4 extraction wells were sampled in February 2021 (Table 1). All groundwater samples collected during the February 2021 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. 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 2020, as current operation of the pilot GETS involves operation of extraction wells MW-29 and EW-02 only. 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 2021 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 monitor wells MW-16, MW-31, MW-41,and MW-42 in February 2021 (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 2021 groundwater monitoring event. Results from quarterly groundwater monitoring rounds conducted in May 2020, August 2020, and November 2020 were previously submitted as quarterly data submittals (H+A, 2020b, 2020c, and 2021).

2.3.1 Perched Water Zone

Two perched zone piezometers, P-07 and P-09, were sampled during the February 2021 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 2021 include 1,1-dichloroethylene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), tetrachloroethylene (PCE), and Trichlorofluoromethane (TCFM). All concentrations were within their respective historical ranges for these piezometers. 1,1-DCE and 1,4-dioxane were detected in the groundwater sample collected from piezometer P-07 in February 2021 at concentrations of 1,100 micrograms per liter (ug/l) and 1,600 ug/l, respectively, within their historical range. Only 1,1-DCE was detected in the groundwater sample collected from piezometer P-09 in February 2021 at concentration of 6.3 ug/l, within its historical range at this piezometer (Table 4).

2.3.2 Regional Groundwater System

Thirty monitor wells and four extraction wells were sampled in February 2021 (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-Trichloroethane, 1,1-DCA, 1,2-Dichloroethane, benzene, carbon tetrachloride, chloroform, cis-1,2-dichloroethylene (cis-1,2-DCE), PCE, toluene, trichloroethylene (TCE), and TCFM were detected at relatively low concentrations in groundwater samples collected in February 2021 (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 February 2021.

Historical concentration ranges were evaluated for May 2020 through February 2021. VOC concentrations were generally within their respective historical ranges.

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

In February 2021, 1,4-dioxane was detected in groundwater samples collected from regional groundwater system monitor wells MW-08, MW-16, MW-31, MW-32B, MW-34B, MW-36, MW 40, and MW-42 and from extraction wells EW-01, EW-02, MW-21, and MW-29.

In the second quarter 2020, a historical high concentration of 1,4-dioxane in a sample collected from monitor well MW-42 at a concentration of 1.5 ug/l. Concentrations of 1,4-dioxane in samples collected from monitor wells and extraction wells in the third and fourth quarters of 2020 were within historical concentration ranges. In the first quarter 2021, a historical high concentration of 1,4-dioxane was detected in a sample collected from monitor well MW-42 at a concentration of 1.9 ug/l and monitor well MW-40 had a detection of 1,4-dioxane for the first time at a concentration of 0.61 ug/l.

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 2021 within the framework of the Site groundwater CM hydrostratigraphic zones (Tables 1 and 4; Figures 9 through 11 and 21).

- Three of the eight monitor wells screened in Unit A (MW-18, MW-34A, and MW-38) were sampled for VOCs and 1,4-dioxane in February 2021. 1,1-DCE and 1,4-dioxane were not detected in the groundwater samples collected in Unit A (Table 4).
- Three of five monitor wells screened in Unit AB (MW-13, MW-15, and MW-32A) were sampled for VOCs in February 2021. 1,1-DCE was not detected in the groundwater samples collected from Unit AB monitor wells in February 2021, with the exception of a low-level sub-part-per-billion detection of 1,1-DCE in MW-15 (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.
- Fifteen of sixteen monitor wells (MW-16, MW-26C, MW-27, MW-28, MW-30A, MW-31, MW-32B, MW-34B, MW-35C, MW-36, MW-39, MW-40, MW-41, MW-42, and MW-43) 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 2021. Water quality hydrographs depicting the concentrations of 1,1-DCE, TCE, and 1,4-dioxane in groundwater samples collected through February 2021 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 2021. 1,1-DCE and TCE were detected in monitor wells MW-08 and MW-30B and extraction well MW-21. 1,4-dioxane was detected in monitor well MW-08 and extraction well MW-21. No VOCs or 1,4-dioxane were detected in monitor well MW-34C. 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 2021. 1,1-DCE and 1,4-dioxane were not detected in the groundwater samples collected from Unit C monitor wells in February 2021, with the exception of a low-level sub-part-per-billion detection of 1,1-DCE in MW-09 (Table 4).
- Three of four monitor wells screened in Unit D, MW-06, MW-20, and MW-37, were sampled for VOCs in February 2021. Two of the Unit D monitor wells, MW-20 and MW-37, were also sampled for 1,4-dioxane. 1,1-DCE and 1,4-dioxane were not detected in the groundwater samples collected from Unit D monitor wells in February 2021 (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 wellhead samples collected from F-AIRP 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. 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.

In 2016, the Packer Testing Program was initiated in coordination with the City of Fullerton in order to evaluate where sealing off the lower well screens in F-AIRP with an inflatable packer would reduce the concentrations of 1,1-DCE in the well discharge without significantly reducing the well capacity or causing a significant degradation of the inorganic water quality (H+A, 2016). The results of Packer Testing Program determined that isolating the two bottommost screens in F-AIRP effectively decreases the concentration of 1,1-DCE in wellhead samples collected from F-AIRP to less than the detection limit of 0.5 ug/l (H+A, 2017a). On March 15, 2018, a packer was inflated above the two bottommost screens and has remained inflated through February 2020. Since the packer was inflated in March 2018, 1,1-DCE has not been detected in the production well F-AIRP discharge (Figure 23).

In February through May 2019, monitor well MW-42 was installed to monitor the concentration of VOCs and 1,4-dioxane in the Unit B adjacent to F-AIRP. The location of monitor well MW-42 was specified in the CMS, to be installed along Artesia Avenue, west of F-AIRP, should the lower screen(s) of F-AIRP be isolated. Monitor well MW-42 is screened in the Unit B near the two bottommost screens of F-AIRP that are isolated by the packer. 1,1-DCE was detected below the MCL in the initial sample collected from monitor well MW-42 in June 2019 and has gradually increased to a concentration of 35 ug/l in February 2021. 1,4-dioxane was not detected in the initial sample collected from monitor well MW-42 in June 2019 but has gradually increased to a concentration of 1.9 ug/l in February 2021.

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 2021 monitoring event (Appendix A). Data quality assessment results for the May, August, and November 2020 groundwater monitoring events were previously reported in their respective groundwater monitoring data submittals (H+A, 2020b, 2020c, and 2021). Field duplicate samples and laboratory split samples were collected for analysis of VOCs and 1,4-dioxane from monitor wells MW-16, MW-31, MW-41, and MW-42.

The relative percent difference (RPD) was calculated between results of each field duplicate and each laboratory split sample with its corresponding original sample. The RPD for 1,1-DCE between the original and laboratory split groundwater samples collected from MW-16 were slightly

outside of acceptable limits, therefore the data was qualified as estimated. The RPD for 1,4-dioxane between the original, laboratory split and duplicate groundwater samples collected from MW-16 were outside of acceptable limits, therefore the data was qualified as estimated. All other results for groundwater samples collected from monitor wells MW-16, MW-31, MW-41, and MW-42 in February 2021 are within quality control criteria. The following table summarizes the principal Site compounds, 1,1-DCE, TCE and 1,4-dioxane, results in the original, field duplicate and laboratory split groundwater samples collected in February 2021, as well as the calculated RPDs and assigned qualifier flag, if any.

Well ID	Compound	Original (ug/l)	Duplicate (ug/l)	RPD (percent)	Split (ug/l)	RPD (percent)	Qualifier Flag
MW-16	1,1-DCE	990	1,100	11	730	30.2	E
	TCE	5.8	6.0	3.4	6.1	5.0	
	1,4-dioxane	35	72	69	78	76	E
MW-31	1,1-DCE	60	62	3.3	63	4.9	
	TCE	6.2	6.2	0	6.7	7.8	
	1,4-dioxane	6.3	5.9	6.6	4.4	36	
MW-41	1,1-DCE	0.66	0.79	18	0.62	6.3	
	TCE	<0.50	<0.50	NA	<0.50	NA	
	1,4-dioxane	<0.20	<0.20	NA	<0.50	NA	
MW-42	1,1-DCE	35	34	2.9	30	15	
	TCE	<0.50	<0.50	NA	<0.50	NA	
	1,4-dioxane	1.9	3.7	64	1.3	38	

ug/l = micrograms per liter
NA = not applicable

The following table summarizes H+A project QA/QC criteria for field duplicate and laboratory split RPDs.

Range of detection	RPD Criteria (percent)	Project Qualifier Flag	Note
PQL to 10x PQL	< 100	E (estimated) or U (unusable)	Project qualifier flag may be assigned if RPD criteria is not met and/or result is not consistent with data trending
10x PQL to 100x PQL	< 30		
>100x PQL	< 50		

PQL = practical quantitation limit (undiluted)
< = less than
> = greater than

There were no detections of 1,4-dioxane or VOCs in the equipment rinsate blanks analyzed with groundwater samples collected during the February 2021 groundwater monitoring event (Table 4; Appendix A). Additionally, there were no detections of 1,4-dioxane or VOCs in the trip blanks and/or laboratory method blanks analyzed with groundwater samples collected during the February 2021 groundwater monitoring event.

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 2021. Summaries of the pilot GETS operations during the second, third, and fourth quarters of 2020 were previously submitted as quarterly data submittals (H+A, 2020b, 2020c, and 2021). 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 2021, the pilot GETS was operational approximately 97 percent of the available runtime and approximately 4.9 million gallons of groundwater were treated and discharged to the sanitary sewer (Table 7). Downtime during the first quarter 2021 was associated with routine maintenance activities. The average monthly discharge flowrate to the sanitary sewer between December 1, 2020, and February 28, 2021 was approximately 38 gpm. Since startup of the pilot GETS, approximately 212 million gallons of groundwater have been treated at an average flowrate of 32 gpm through February 2021 (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; Figures 26 and 27). 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; Appendix D).

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 2021. The samples collected during the first quarter 2021 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 2021.

The pilot GETS continues to remove VOCs and 1,4-dioxane from extracted groundwater. During the first quarter of 2021, the pilot GETS removed approximately 2.4 pounds of VOCs and 1.4 pounds of 1,4-dioxane from extracted groundwater. Since startup of the pilot GETS in July 2008, approximately 185 pounds of VOCs and 49 pounds of 1,4-dioxane have been removed

from groundwater through February 2021 (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 2020; June to August 2020; September to November 2020; and December 2020 to February 2021. The following table summarizes the estimated width of the capture zone generated by operation of extraction well EW-02 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 2020	31	0.0028	2,400 – 5,400	395-889
June to August 2020	33	0.0034	2,400 – 5,400	353-795
September to November 2020	33	0.0037	2,400 – 5,400	321-723
December 2020 to February 2021	33	0.0025	2,400 – 5,400	469-1056

(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-02 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 2020, August 2020, November 2020, and February 2021 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-02.

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 gradually declined or have been relatively low and stable. 1,4-Dioxane concentrations remain relatively stable in perched zone water (Table 4).

Regional groundwater system water level data obtained in February 2021 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 increased to near or at new historical highs in January 2018. Water levels have declined since early 2018 but remain steady near the highs observed in 2006, 2012, and 2018.

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 February 2021, 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 (Appendix D). 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. 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 2021, 1,1-DCE and 1,4-dioxane were detected at concentrations of 1,500 ug/l and 610 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 (Appendix D).

1,4-dioxane was not detected in the sample collected in February 2021. 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 at the Site from historically high water level elevations in mid-2006 to historically low water level elevations by 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, 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).
- In February through May 2019, monitor well MW-42 was installed to monitor concentrations of VOCs and 1,4-dioxane in the primary transport zone (Unit B) adjacent to Fullerton Well #9 and monitor well MW-43 was installed to serve as one of the downgradient point of compliance monitoring wells (H+A, 2019).

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, MW-39, MW-40, MW-41 and MW-42 and extraction well EW-02 since their construction (Appendix D) (H+A, 2015b). 1,1-DCE and 1,4-dioxane have historically not been detected in Unit B monitor wells MW-27, MW-35C, and MW-43, 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 work plans 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).
- Monitor wells MW-42 and MW-43 were installed as proposed in the CMS and constructed in accordance with methods and procedures outlined in previous groundwater assessment work plans as detailed in the Well Construction Report for MW-42 and MW-43 (H+A, 2019)

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 detected in the groundwater sample collected from monitor well MW-15 at a concentration of 0.42 J ug/l in February 2021 (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 (Appendix D). 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 2021, 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 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 2021, 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 95 ug/l, 21 ug/l, and 4.6 ug/l, respectively. 1,4-Dioxane was not detected in the groundwater sample collected from monitor well MW-30B in February 2021. 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 vertically 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 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 was 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 2015 approval of the CMS Report did not necessarily reflect an endorsement of the proposed remedy, but rather that the CMS Report provided the necessary information for DTSC to select a remedy. A draft California Environmental Quality Act (CEQA) Initial Study was conducted in 2017 which concluded with a Negative Declaration for the proposed groundwater cleanup project. DTSC also prepared a draft Statement of Basis in 2017 which concurred with the remedy proposed in the CMS. A public participation process was conducted in 2017 which included mass mailings and newspaper publication regarding the project, a public review period and a public Open House meeting. DTSC responded to public comments, finalized the CEQA Initial Study and Statement of Basis, and provided final approval of the CMS report and recommended remedy in 2018. A Corrective Measures Implementation

Work Plan was prepared and submitted to DTSC in 2018 which is currently in DTSC review (H+A, 2018). Initial engineering design and coordination of property access for the planned implementation of the selected groundwater corrective measures is in progress.

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TABLES

TABLE 1
GROUNDWATER MONITORING PROGRAM

WELL IDENTIFIER	HYDROGEOLOGIC ZONE	SAMPLED FEB 2021	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					VOCs; 1,4-Dioxane
MW-17	A		PIEZOMETER - WATER LEVEL MEASUREMENT ONLY			
MW-18	A	X		VOCs; 1,4-Dioxane		
MW-19	A					VOCs
MW-22	A					VOCs; 1,4-Dioxane
MW-23	A					VOCs
MW-34A	A	X		VOCs; 1,4-Dioxane		
MW-35B	A					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		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-42	B	X	VOCs; 1,4-Dioxane			
MW-43	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	1101 (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	1030 (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)

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 (continued)												
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	1040 (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)
MW-42	3/19/2019	83.28	82.80	1,091 (tt)	1,012-1,052	0.020	12.25	4 (vv)	1,001-1,062	#2/12	952-1,001 (xx)	0-952 (zz)
MW-43	4/18/2019	77.11	76.64	1,120 (uu)	1,006-1,046	0.020	12.25	4 (ww)	990-1,052	#3	982-990 (yy)	0-982 (nn)
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)

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.

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)

FOOTNOTES (continued)

(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 feet bls) was sealed at 505.2 feet 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

(nn) = Annual seal interval is composed of #8 granular bentonite and #3 Sand (1:1 dry volume mix) from 59 to 982 feet bls and cement/bentonite grout, type I/II Portland, less than 5% bentonite, from near land surface to 59 feet bls

(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

(tt) = Pilot borehole drilled to a total depth of 1,091 feet bls and backfilled with #8 granular bentonite and #3 Sand (1:1 dry volume mix) seal to 1,062 feet bls

(uu) = Pilot borehole drilled to a total depth of 1,120 feet bls and backfilled with #8 granular bentonite and #3 Sand (1:1 dry volume mix) seal to 1,052 feet bls

(vv) = Schedule 40 stainless steel endcap; Schedule 80 polyvinyl chloride casing, stainless steel wire-wrap screen; 5-foot Schedule 80 polyvinyl chloride sump

(ww) = Schedule 40 stainless steel endcap; Schedule 80 polyvinyl chloride casing, 66-1,006 feet bls; Schedule 10 stainless steel casing, 0.5-66 feet bls; stainless steel wire-wrapped screen; 5-foot Schedule 80 polyvinyl chloride sump.

(xx) = Medium bentonite chips and #2/12 Sand; 2:1 dry volume mix

(yy) = Medium bentonite chips and #3 Sand; 1:1 dry volume mix

(zz) = Annular seal interval is composed of medium bentonite chips and #3 Sand (1:1 dry volume mix) from 100 to 952 feet bls and cement/bentonite grout, type I/II Portland, less than 5% bentonite, from near land surface to 100 feet bls

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells					
MW-06	05/26/20	184.70	150.84	33.86	
	08/03/20	184.70	150.31	34.39	
	11/02/20	184.70	155.93	28.77	
	02/16/21	184.70	156.08	28.62	
MW-08	05/26/20	155.91	127.86	28.05	
	08/03/20	155.91	127.84	28.07	
	11/02/20	155.91	131.13	24.78	
	02/16/21	155.91	131.58	24.33	
MW-09	05/26/20	180.10	149.38	30.72	
	08/03/20	180.10	149.01	31.09	
	11/02/20	180.10	154.32	25.78	
	02/16/21	180.10	154.51	25.59	
MW-13	05/26/20	141.84	117.87	23.97	
	08/03/20	141.84	122.38	19.46	
	11/02/20	141.84	125.40	16.44	
	02/16/21	141.84	119.38	22.46	
MW-15	05/26/20	144.95	126.66	18.29	
	08/03/20	144.95	125.83	19.12	
	11/02/20	144.95	128.05	16.90	
	02/16/21	144.95	128.04	16.91	
MW-16	05/26/20	142.40	116.40	26.00	
	08/03/20	142.40	118.13	24.27	
	11/02/20	142.40	126.66	15.74	
	02/16/21	142.40	124.48	17.92	
MW-17	05/26/20	142.70	117.81	24.89	
	08/03/20	142.70	122.31	20.39	
	11/02/20	142.70	125.49	17.21	
	02/16/21	142.70	119.50	23.20	
MW-18	05/26/20	142.32	118.23	24.09	
	08/03/20	142.32	122.76	19.56	
	11/02/20	142.32	125.94	16.38	
	02/16/21	142.32	119.90	22.42	
MW-19	05/26/20	142.06	117.85	24.21	
	08/03/20	142.06	122.34	19.72	
	11/02/20	142.06	125.70	16.36	
	02/16/21	142.06	119.63	22.43	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-20	05/26/20	184.19	146.82	37.37	
	08/03/20	184.19	145.66	38.53	
	11/02/20	184.19	150.39	33.80	
	02/16/21	184.19	151.68	32.51	
MW-21	05/26/20	141.18	112.09	29.09	
	08/03/20	141.18	112.03	29.15	
	11/02/20	141.18	116.02	25.16	
	02/16/21	141.18	116.07	25.11	
MW-22	05/26/20	138.65	114.55	24.10	
	08/03/20	138.65	119.06	19.59	
	11/02/20	138.65	122.01	16.64	
	02/16/21	138.65	116.02	22.63	
MW-23	05/26/20	137.33	114.66	22.67	
	08/03/20	137.33	119.35	17.98	
	11/02/20	137.33	121.74	15.59	
	02/16/21	137.33	115.53	21.80	
MW-24	05/26/20	142.83	112.00	30.83	
	08/03/20	142.83	111.76	31.07	
	11/02/20	142.83	117.41	25.42	
	02/16/21	142.83	117.11	25.72	
MW-25	05/26/20	142.64	112.60	30.04	
	08/03/20	142.64	112.48	30.16	
	11/02/20	142.64	117.22	25.42	
	02/16/21	142.64	119.38	23.26	
MW-26A	05/26/20	137.04	116.20	20.84	
	08/03/20	137.04	117.03	20.01	
	11/02/20	137.04	119.94	17.10	
	02/16/21	137.04	117.66	19.38	
MW-26B	05/26/20	137.05	118.71	18.34	
	08/03/20	137.05	117.71	19.34	
	11/02/20	137.05	119.76	17.29	
	02/16/21	137.05	119.91	17.14	
MW-26C	05/26/20	137.22	112.31	24.91	
	08/03/20	137.22	114.30	22.92	
	11/02/20	137.22	122.96	14.26	
	02/16/21	137.22	119.80	17.42	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-27	05/26/20	137.16	111.83	25.33	
	08/03/20	137.16	113.89	23.27	
	11/02/20	137.16	122.49	14.67	
	02/16/21	137.16	119.34	17.82	
MW-28	05/26/20	140.77	116.00	24.77	
	08/03/20	140.77	117.92	22.85	
	11/02/20	140.77	126.67	14.10	
	02/16/21	140.77	123.83	16.94	
MW-29	03/05/20	139.81	175.67	-35.86	Pilot GETS
	03/19/20	139.81	174.54	-34.73	Pilot GETS
	04/02/20	139.81	172.52	-32.71	Pilot GETS
	04/16/20	139.81	169.56	-29.75	Pilot GETS
	05/07/20	139.81	160.15	-20.34	Pilot GETS
	05/21/20	139.81	161.19	-21.38	Pilot GETS
	05/26/20	139.81	162.34	-22.53	Pilot GETS
	06/05/20	139.81	161.03	-21.22	Pilot GETS
	06/18/20	139.81	159.21	-19.40	Pilot GETS
	07/02/20	139.81	157.52	-17.71	Pilot GETS
	07/16/20	139.81	144.82	-5.01	Pilot GETS
	08/03/20	139.81	153.41	-13.60	Pilot GETS
	08/06/20	139.81	153.91	-14.10	Pilot GETS
	08/20/20	139.81	166.66	-26.85	Pilot GETS
	09/03/20	139.81	156.90	-17.09	Pilot GETS
	09/17/20	139.81	159.52	-19.71	Pilot GETS
	10/01/20	139.81	159.92	-20.11	Pilot GETS
	10/15/20	139.81	160.81	-21.00	Pilot GETS
	11/02/20	139.81	186.65	-46.84	Pilot GETS
	11/05/20	139.81	186.01	-46.20	Pilot GETS
	11/19/20	139.81	187.19	-47.38	Pilot GETS
	12/03/20	139.81	187.51	-47.70	Pilot GETS
	12/17/20	139.81	187.82	-48.01	Pilot GETS
	01/07/21	139.81	185.11	-45.30	Pilot GETS
	01/21/21	139.81	187.98	-48.17	Pilot GETS
	02/04/21	139.81	184.62	-44.81	Pilot GETS
	02/16/21	139.81	185.30	-45.49	Pilot GETS
	02/18/21	139.81	185.81	-46.00	Pilot GETS
MW-30A	05/26/20	129.44	105.56	23.88	
	08/03/20	129.44	107.69	21.75	
	11/02/20	129.44	116.30	13.14	
	02/16/21	129.44	112.72	16.72	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-30B	05/26/20	129.39	104.03	25.36	
	08/03/20	129.39	105.72	23.67	
	11/02/20	129.39	112.95	16.44	
	02/16/21	129.39	109.51	19.88	
MW-31	05/26/20	119.60	94.84	24.76	
	08/03/20	119.60	97.36	22.24	
	11/02/20	119.60	105.70	13.90	
	02/16/21	119.60	100.98	18.62	
MW-32A	05/26/20	92.88	69.80	23.08	
	08/03/20	92.88	72.57	20.31	
	11/02/20	92.88	81.09	11.79	
	02/16/21	92.88	75.60	17.28	
MW-32B	05/26/20	92.89	69.28	23.61	
	08/03/20	92.89	71.71	21.18	
	11/02/20	92.89	80.06	12.83	
	02/16/21	92.89	75.29	17.60	
MW-32C	05/26/20	92.88	64.00	28.88	
	08/03/20	92.88	64.45	28.43	
	11/02/20	92.88	71.60	21.28	
	02/16/21	92.88	69.77	23.11	
MW-33	05/26/20	83.19	61.10	22.09	
	08/03/20	83.19	63.83	19.36	
	11/02/20	83.19	72.42	10.77	
	02/16/21	83.19	66.31	16.88	
MW-34A	05/26/20	153.25	135.69	17.56	
	08/03/20	153.25	141.02	12.23	
	11/02/20	153.25	141.85	11.40	
	02/16/21	153.25	134.31	18.94	
MW-34B	05/26/20	153.11	130.00	23.11	
	08/03/20	153.11	131.81	21.30	
	11/02/20	153.11	140.24	12.87	
	02/26/21	153.11	137.19	15.92	
MW-34C	05/26/20	153.29	129.89	23.40	
	08/03/20	153.29	131.74	21.55	
	11/02/20	153.29	139.17	14.12	
	02/16/21	153.29	135.33	17.96	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-35A	05/26/20	93.57	69.40	24.17	
	08/03/20	93.57	76.71	16.86	
	11/02/20	93.57	71.70	21.87	
	02/16/21	93.57	64.05	29.52	
	02/03/20	93.56	76.69	16.87	
MW-35B	05/26/20	93.56	74.38	19.18	
	08/03/20	93.56	80.14	13.42	
	11/02/20	93.56	80.07	13.49	
	02/16/21	93.56	73.29	20.27	
MW-35C	05/26/20	93.55	70.40	23.15	
	08/03/20	93.55	73.31	20.24	
	11/02/20	93.55	81.88	11.67	
	02/16/21	93.55	76.12	17.43	
MW-36	05/26/20	86.65	65.32	21.33	
	08/03/20	86.65	67.80	18.85	
	11/02/20	86.65	76.28	10.37	
	02/16/21	86.65	71.04	15.61	
MW-37	05/28/20	155.60	128.79	26.81	
	08/03/20	155.60	129.43	26.17	
	11/02/20	155.60	136.72	18.88	
	02/16/21	155.60	135.60	20.00	
MW-38	05/28/20	154.90	140.87	14.03	
	08/03/20	154.90	145.60	9.30	
	11/02/20	154.90	147.10	7.80	
	02/16/21	154.90	139.27	15.63	
MW-39	05/26/20	84.25	63.48	20.77	
	08/03/20	84.25	66.11	18.14	
	11/02/20	84.25	74.41	9.84	
	02/16/21	84.25	68.50	15.75	
MW-40	05/26/20	123.40	96.81	26.59	
	08/03/20	123.40	99.28	24.12	
	11/02/20	123.40	108.90	14.50	
	02/16/21	123.40	104.41	18.99	
MW-41	05/28/20	155.60	133.34	22.26	
	08/03/20	155.60	134.73	20.87	
	11/02/20	155.60	142.62	12.98	
	02/16/21	155.60	139.16	16.44	

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-42	05/26/20	82.80	61.89	20.91	
	08/03/20	82.80	64.79	18.01	
	11/02/20	82.80	73.39	9.40	
	02/16/21	82.80	67.17	15.63	
MW-43	05/26/20	76.64	56.35	20.29	
	08/03/20	76.64	59.10	17.54	
	11/02/20	76.64	67.57	9.07	
	02/16/21	76.64	61.31	15.33	
EW-01	05/26/20	141.07	114.81	26.26	
	08/03/20	141.07	116.46	24.61	
	11/02/20	141.07	125.05	16.02	
	02/16/21	141.07	122.81	18.26	
EW-02	03/05/20	132.97	119.44	13.53	Pilot GETS
	03/19/20	132.97	118.90	14.07	Pilot GETS
	04/02/20	132.97	115.97	17.00	Pilot GETS
	04/16/20	132.97	113.44	19.53	Pilot GETS
	05/07/20	132.97	112.21	20.76	Pilot GETS
	05/21/20	132.97	113.32	19.65	Pilot GETS
	05/26/20	132.97	113.25	19.72	Pilot GETS
	06/05/20	132.97	114.22	18.75	Pilot GETS
	06/18/20	132.97	114.82	18.15	Pilot GETS
	07/02/20	132.97	114.79	18.18	Pilot GETS
	07/16/20	132.97	114.72	18.25	Pilot GETS
	08/03/20	132.97	115.33	17.64	Pilot GETS
	08/06/20	132.97	115.28	17.69	Pilot GETS
	08/20/20	132.97	117.04	15.93	Pilot GETS
	09/03/20	132.97	118.78	14.19	Pilot GETS
	09/17/20	132.97	120.13	12.84	Pilot GETS
	10/01/20	132.97	121.53	11.44	Pilot GETS
	10/15/20	132.97	122.62	10.35	Pilot GETS
	11/02/20	132.97	123.65	9.32	Pilot GETS
	11/05/20	132.97	123.38	9.59	Pilot GETS
	11/19/20	132.97	124.77	8.20	Pilot GETS
	12/03/20	132.97	125.06	7.91	Pilot GETS
	12/17/20	132.97	124.87	8.10	Pilot GETS
	01/07/21	132.97	124.51	8.46	Pilot GETS
	01/21/21	132.97	123.62	9.35	Pilot GETS
	02/04/21	132.97	122.10	10.87	Pilot GETS
	02/16/21	132.97	121.19	11.78	Pilot GETS
	02/18/21	132.97	121.73	11.24	Pilot GETS

TABLE 3

GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels					
P-07	05/26/20	142.31	111.07	31.24	
	08/03/20	142.31	111.07	31.24	
	11/02/20	142.31	111.81	30.50	
	02/16/21	142.31	111.64	30.67	
P-09	05/26/20	183.86	120.61	63.25	
	08/03/20	183.86	120.61	63.25	
	11/02/20	183.86	120.85	63.01	
	02/16/21	183.86	120.81	63.05	

FOOTNOTES

(a) Reference point elevations are relative to City of Fullerton datum.

bls = Below land surface

msl = Mean sea level

Pilot GETS = Pilot Groundwater Extraction and Treatment System On

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																
MW-06	02/18/21	ORG	< 0.50	< 0.50	**5.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06 Historical Range* **			< 0.50 - < 5.0	< 0.50 - 0.19 J	< 0.50 - 13	< 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	< 0.20 - < 2.0
MW-08	05/27/20	ORG	< 0.50	< 0.50	**0.32 J**	< 0.50	< 0.50	**21**	**1.8**	**2.6**	< 0.50	< 0.50	**47**	**0.30 J**	< 0.50	**1.3**
MW-08	08/05/20	ORG	< 0.50	< 0.50	**0.40 J**	< 0.50	< 0.50	**23**	**2.5**	**0.11 J**	< 0.50	< 0.50	**56**	< 0.50	< 0.50	**2.1**
MW-08	11/03/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	**2.6**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	**0.22 J**	**1.9**
MW-0800	11/03/20	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	**2.5**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	**0.17 J**	**1.9**
MW-08	11/03/20	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	**2.3**	< 0.50	< 0.50	< 0.50	**52**	< 0.50	< 0.50	**1.4**
MW-08	02/19/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	**1.8**	< 0.50	< 0.50	< 0.50	**42**	< 0.50	< 0.50	**2.6**
MW-08 Historical Range* **			< 0.50 - 0.95	< 0.50 - 0.50	< 0.50 - 0.86	< 0.50 - 5.1	< 0.50 - 0.99	< 0.50 - 500	< 0.50 - 13	< 0.50 - 2.6	< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 480	< 0.50 - 1.0	< 0.50 - 2.3	< 0.20 - 130
MW-09	08/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	02/18/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.35 J**	< 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	02/19/21	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-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 - 0.15 J	< 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	08/05/20	ORG	< 0.50	< 0.50	**0.22 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	**13**	< 0.50	NA
MW-15	02/19/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.42 J**	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	**12**	< 0.50	NA
MW-15 Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.22 J	< 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	08/05/20	ORG	< 0.50	**0.32 J**	**0.47 J**	**3.7**	**0.41 J**	**590**	**0.28 J**	**0.80**	< 0.50	**0.66**	**3.5**	< 0.50	< 0.50	**62**
MW-16	02/22/21	ORG	< 0.50	< 0.50	**0.34 J**	**4.8**	< 0.50	**990 E**	< 0.50	**1.4**	< 0.50	**0.85**	**5.8**	< 0.50	< 0.50	**35 E**
MW-1600	02/22/21	FD	< 0.50	**0.46 J**	**0.25 J**	**4.9**	**0.59**	**1,100 E**	< 0.50	**1.6**	< 0.50	< 0.50	**6.0**	< 0.50	< 0.50	**72 E**
MW-16	02/22/21	SPT	< 0.50	**0.51**	**0.49 J**	**5.6**	**0.68**	**730 E**	**0.31 J**	**1.6**	< 0.50	**0.74**	**6.1**	< 0.50	< 0.50	**78 E**
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 - 7.8	< 0.50 - < 5.0	< 0.50 - < 5.0	< 2.0 - 440
MW-18	08/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	< 0.20
MW-18	02/19/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	< 0.20
MW-18 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.51	< 0.50 - 1.2	< 0.50 - 0.12 J	< 0.50	< 0.50	< 0.50	< 0.50 - 6.3	< 0.50 - 0.82	< 0.20 - 7.7 E
MW-20	08/04/20	ORG	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	**0.93**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/19/21	ORG	< 0.50	< 0.50	**0.84**	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20 Historical Range* **			< 0.50	< 0.50	< 0.50 - 1.5	< 0.50	< 0.50	< 0.50 - 82	< 0.50	< 0.50 - 0.14 J	< 0.50 - 0.63	< 0.50	< 0.50	< 0.50 - 0.58	<0.50 - 0.22 J	< 0.20 - 3.9
MW-21	05/26/20	ORG	< 0.50	< 0.50	**1.8**	**22**	**5.0**	**830**	**1.2**	**4.6**	< 0.50	**11**	**15**	< 0.50	< 0.50	**740**
MW-21	08/06/20	ORG	< 0.50	**0.60**	**2.0**	**29**	**4.9**	**1,600**	**1.3**	**4.5**	< 0.50	**14**	**14**	**0.31 J**	< 0.50	**700**
MW-21	11/03/20	ORG	< 0.50	**0.26 J**	**0.60**	**8.2**	**1.7**	**930**	**1.0**	**1.8**	< 0.50	**5.3**	**14**	**0.27 J**	< 0.50	**600**
MW-21	02/18/21	ORG	< 0.50	**0.49 J**	**1.1**	**16**	**4.1**	**1,500**	**1.2**	**3.6**	< 0.50	**9.6**	**15**	**0.41 J**	< 0.50	**610**
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 - < 25	11 - 1,100

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) 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-24	02/17/21	ORG	< 0.50	< 0.50	< 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-26C	05/27/20	ORG	< 0.50	< 0.50	< 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	08/04/20	ORG	< 0.50	< 0.50	< 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	11/03/20	ORG	< 0.50	< 0.50	< 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	02/18/21	ORG	< 0.50	< 0.50	< 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
MW-27	02/17/21	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.37 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	08/04/20	ORG	< 0.50	< 0.50	**0.13 J**	< 0.50	< 0.50	**0.38 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	11/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	02/17/21	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	< 0.20
MW-28 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.20 J	< 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	03/05/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**160**	< 0.50	**0.62**	< 0.50	**0.64**	**1.8**	**1.2**	< 0.50	**120**
MW-29	03/19/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**170**	< 0.50	**0.52**	< 0.50	**0.56**	**1.6**	**1.1**	< 0.50	**110**
MW-29	04/02/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	**0.53**	< 0.50	< 0.50	**1.4**	**0.61**	< 0.50	**75**
MW-29	04/16/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	**81**
MW-29	05/07/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	**0.50**	**1.3**	**0.69**	< 0.50	**95**
MW-29	05/21/20	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**130**	< 0.50	**0.86**	< 0.50	< 0.50	**1.2**	**0.51**	< 0.50	**91**
MW-29	06/05/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	**0.70**	**1.6**	**0.57**	< 0.50	**91**
MW-29	06/18/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**150**	< 0.50	**0.51**	< 0.50	**0.62**	**1.4**	**0.69**	< 0.50	**83**
MW-29	07/02/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**150**	< 0.50	**0.52**	< 0.50	**0.51**	**1.6**	< 0.50	< 0.50	**78**
MW-29	07/16/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	**0.63**	< 0.50	**83**
MW-29	08/06/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**0.63**	< 0.50	**78**
MW-29	08/20/20	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**130**	< 0.50	**0.58**	< 0.50	< 0.50	**1.5**	**0.57**	< 0.50	**75**
MW-29	09/03/20	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**97**	< 0.50	**0.76**	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	**81**
MW-29	09/17/20	ORG	< 0.50	**1.8**	< 0.50	**1.5**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**1.8**	< 0.50	**94**
MW-29	10/01/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**160**	< 0.50	**0.53**	< 0.50	**0.52**	**1.8**	**0.77**	< 0.50	**87**
MW-29	10/15/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**180**	< 0.50	**0.51**	< 0.50	< 0.50	**2.1**	**0.90**	< 0.50	**100**
MW-29	11/05/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**170**	< 0.50	**0.50**	< 0.50	**0.57**	**2.0**	**0.90**	< 0.50	**100**
MW-29	11/19/20	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**180**	< 0.50	**0.61**	< 0.50	**0.56**	**2.4**	**1.2**	< 0.50	**96**
MW-29	12/03/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**180**	< 0.50	**0.54**	< 0.50	**0.66**	**2.2**	**0.96**	< 0.50	**100**
MW-29	12/17/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	**0.55**	< 0.50	**0.60**	**2.0**	**0.72**	< 0.50	**96**
MW-29	01/07/21	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**170**	< 0.50	**0.60**	< 0.50	**0.65**	**2.1**	**1.3**	< 0.50	**90**
MW-29	01/21/21	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**170**	< 0.50	< 0.50	< 0.50	**0.64**	**2.0**	**0.96**	< 0.50	**88**
MW-29	02/04/21	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**220**	< 0.50	**0.59**	< 0.50	**0.73**	**2.2**	**1.3**	< 0.50	**75**
MW-29	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**160**	< 0.50	**0.61**	< 0.50	**0.54**	**1.9**	**0.89**	< 0.50	**120**
MW-29 Historical Range* **			< 0.50 - 0.57	< 0.50 - 1.8	< 0.50 - 0.80	< 0.50 - 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	< 0.50 - 8.3	< 0.50 - 2.2	< 0.50 - < 5.0	26 BE - 301

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-30A	05/27/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.14 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	08/06/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.36 J**	< 0.50	< 0.50	< 0.20
MW-30A	11/03/20	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-30A	02/17/21	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	**28**	**5.0**	**0.51**	< 0.50	< 0.50	**100**	< 0.50	< 0.50	**0.37**
MW-30B	08/06/20	ORG	< 0.50	< 0.50	**0.40 J**	**0.15 J**	< 0.50	**20**	**5.0**	< 0.50	< 0.50	< 0.50	**92**	< 0.50	< 0.50	**0.38**
MW-30B	11/03/20	ORG	< 0.50	< 0.50	**0.34 J**	< 0.50	< 0.50	**24**	**4.8**	< 0.50	< 0.50	< 0.50	**100**	< 0.50	< 0.50	**0.43**
MW-3000B	11/03/20	FD	< 0.50	< 0.50	**0.35 J**	< 0.50	< 0.50	**23**	**4.9**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	**0.43**
MW-30B	11/03/20	SPT	< 0.50	< 0.50	**0.36 J**	< 0.50	< 0.50	**19**	**4.5**	< 0.50	< 0.50	< 0.50	**89**	< 0.50	< 0.50	< 0.50
MW-30B	02/17/21	ORG	< 0.50	< 0.50	**0.19 J**	< 0.50	< 0.50	**21**	**4.6**	< 0.50	< 0.50	< 0.50	**95**	< 0.50	< 0.50	< 0.20
MW-30B Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.77	< 0.50	< 0.50	< 0.50 - 28	< 0.50 - 8.2	< 0.50 - 0.51	< 0.50	< 0.50	< 0.50 - 110	< 0.50	< 0.50 - 4.5	< 0.20 - 28 E
MW-31	05/28/20	ORG	< 0.50	< 0.50	< 0.50	**0.25 J**	< 0.50	**38**	**0.51**	**0.20 J**	< 0.50	< 0.50	**3.8**	< 0.50	**0.17 J**	**2.1**
MW-3100	05/28/20	FD	< 0.50	< 0.50	< 0.50	**0.22 J**	< 0.50	**43**	< 0.50	< 0.50	< 0.50	< 0.50	**3.5**	< 0.50	< 0.50	**2.2**
MW-31	05/28/20	SPT	< 0.50	< 0.50	< 0.50	**0.25 J**	< 0.50	**41**	**0.15 J**	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	< 0.50	**2.1**
MW-31	08/06/20	ORG	< 0.50	< 0.50	**0.15 J**	**1.2**	< 0.50	**150**	**0.30 J**	**0.19 J**	< 0.50	< 0.50	**6.7**	< 0.50	**0.21 J**	**6.6**
MW-3100	08/06/20	FD	< 0.50	< 0.50	**0.16 J**	**1.2**	< 0.50	**170**	**0.31 J**	**0.11 J**	< 0.50	< 0.50	**6.5**	< 0.50	**0.38 J**	**6.3**
MW-31	08/06/20	SPT	< 2.0	< 2.0	**0.34 J**	**1.2 J**	< 2.0	**110**	< 2.0	< 2.0	< 2.0	< 2.0	**5.1**	< 2.0	< 2.0	**4.1**
MW-31	11/03/20	ORG	< 0.50	< 0.50	**0.20 J**	**2.4**	< 0.50	**350**	**0.67**	**0.51**	< 0.50	**0.52**	**13**	< 0.50	**0.25 J**	**15**
MW-31	02/19/21	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**60**	**0.21 J**	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	**0.14 J**	**6.3**
MW-3100	02/19/21	FD	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**62**	**0.30 J**	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	**0.14 J**	**5.9**
MW-31	02/19/21	SPT	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**63**	< 0.50	< 0.50	< 0.50	< 0.50	**6.7**	< 0.50	< 0.50	**4.4**
MW-31 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.58	< 0.50 - 5.0	< 0.50 - 0.51	25 - 430	< 0.50 - 3.0E	< 0.50 - 2.4E	< 0.50	< 0.50 - 1.2	0.50 - 21	< 0.50	< 0.50 - 1.0	< 0.20 - 16
MW-32A	08/04/20	ORG	< 0.50	< 0.50	< 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	02/18/21	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**58**	**1.6**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**2.1**
MW-3200B	05/27/20	FD	< 0.50	< 0.50	< 0.50	**0.49 J**	< 0.50	**57**	**1.6**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**2.1**
MW-32B	08/05/20	ORG	< 0.50	< 0.50	< 0.50	**0.56**	< 0.50	**52**	**1.4**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**1.7**
MW-3200B	08/05/20	FD	< 0.50	< 0.50	< 0.50	**0.48 J**	< 0.50	**52**	**1.4**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**1.7**
MW-32B	08/05/20	SPT	< 0.50	< 0.50	< 0.50	**0.40 J**	< 0.50	**41**	**1.4**	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	**1.7**
MW-32B	11/03/20	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**76**	**2.3**	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	**1.6**
MW-32B	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	**77**	**2.1**	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	**2.5**
MW-32B Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 3.6	< 0.50	16 - 290	1.4 - 7.9	< 0.50	< 0.50	< 0.50	13 - 75	< 0.50	< 0.50	< 2.0 - 8.0
MW-32C	08/04/20	ORG	< 0.50	< 0.50	< 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	02/19/21	ORG	< 0.50	< 0.50	< 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 - 0.24 J	< 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

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_2SV	05/28/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	**0.39 J**	< 0.50	< 0.50	**0.10 J**
MW-33	05/28/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	**0.11 J**
MW-33	08/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	< 0.50	< 0.50	**0.40 J**	< 0.50	< 0.50	< 0.20
MW-33	11/03/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.6**	< 0.50	< 0.50	< 0.50	< 0.50	**0.42 J**	< 0.50	< 0.50	< 0.20
MW-33 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 12	< 0.50	< 0.50 - 0.32 J	< 0.50	< 0.50	< 0.50 - 2.0	< 0.50	< 0.50 - 1.4	< 0.20 - 0.22
MW-34A	02/17/21	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	< 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	05/27/20	ORG	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	**0.12 J**	< 0.50	< 0.50	**8.5**
MW-34B	08/06/20	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**54**	< 0.50	**0.17 J**	< 0.50	< 0.50	**0.21 J**	< 0.50	< 0.50	**13**
MW-34B	11/03/20	ORG	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	**68**	< 0.50	**0.24 J**	< 0.50	< 0.50	**0.22 J**	< 0.50	< 0.50	**29**
MW-34B	02/22/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**
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	08/06/20	ORG	< 0.50	< 0.50	< 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	02/22/21	ORG	< 0.50	< 0.50	< 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 - < 2.0
MW-35C	05/27/20	ORG	< 0.50	< 0.50	< 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	08/05/20	ORG	< 0.50	< 0.50	< 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	11/03/20	ORG	< 0.50	< 0.50	< 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	02/18/21	ORG	< 0.50	< 0.50	< 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 - 0.06 J
MW-36_2SV	05/28/20	ORG	< 0.50	< 0.50	**0.18 J**	**0.75**	< 0.50	**100**	< 0.50	**0.46 J**	< 0.50	< 0.50	**0.13 J**	< 0.50	< 0.50	**9.8**
MW-36	05/28/20	ORG	< 0.50	< 0.50	**0.15 J**	**0.77**	< 0.50	**97**	< 0.50	< 0.50	< 0.50	< 0.50	**0.15 J**	< 0.50	< 0.50	**9.5**
MW-36	08/05/20	ORG	< 0.50	< 0.50	**0.11 J**	**0.58**	< 0.50	**60**	< 0.50	< 0.50	< 0.50	< 0.50	**0.26 J**	< 0.50	< 0.50	**8.2**
MW-36	11/04/20	ORG	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.4**
MW-36	02/19/21	ORG	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
MW-36 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.15 J	< 0.50 - 1.9	< 0.50	2.9 - 220	< 0.50	< 0.50	< 0.50	< 0.50 - 0.24 J	< 0.50 - 0.26 J	< 0.50	<0.50 - 5.9	< 0.20 - 15
MW-37	02/19/21	ORG	< 0.50	< 0.50	< 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 - < 2.0
MW-38	02/17/21	ORG	< 0.50	< 0.50	< 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 - 0.16 J	< 0.50 - 0.27 J	< 0.50	<0.20 - 0.34

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-39	05/27/20	ORG	< 0.50	< 0.50	< 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	08/04/20	ORG	< 0.50	< 0.50	< 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	11/04/20	ORG	< 0.50	< 0.50	< 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	02/22/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
Historical High/Low								**High**								
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 - < 2.0
MW-40	05/28/20	ORG	< 0.50	< 0.50	< 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	08/05/20	ORG	< 0.50	< 0.50	< 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	11/04/20	ORG	< 0.50	< 0.50	< 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	02/22/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.29 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.61**
Historical High/Low								**High**								**High**
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 - < 2.0
MW-41	05/28/20	ORG	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	**0.81**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.25**
MW-41	08/06/20	ORG	< 0.50	< 0.50	**0.73**	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.24**
MW-41	11/04/20	ORG	< 0.50	< 0.50	**0.49 J**	< 0.50	< 0.50	**0.99**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/17/21	ORG	< 0.50	< 0.50	**0.42 J**	< 0.50	< 0.50	**0.66**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/17/21	FD	< 0.50	< 0.50	**0.39 J**	< 0.50	< 0.50	**0.79**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/17/21	SPT	< 0.50	< 0.50	**0.55**	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
MW-41 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.86	< 0.50 - 1.3	< 0.50	< 0.50 - 130	< 0.50	< 0.50 - 0.20 J	< 0.50	< 0.50 - 0.39 J	< 0.50 - 110	< 0.50	< 0.50	< 0.20 - 18
MW-42	05/28/20	ORG	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	**36**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**
MW-42	08/05/20	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**
MW-4200	08/05/20	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	**1.3**
MW-42	08/05/20	SPT	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	**28**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**
MW-42	11/04/20	ORG	< 0.50	< 0.50	< 0.50	**0.42 J**	< 0.50	**32**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.83**
MW-42	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**35**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**
MW-4200	02/18/21	FD	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**34**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**
MW-42	02/18/21	SPT	< 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	**1.3**
Historical High/Low																**High**
MW-42 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 0.46 J	< 0.50	0.41 J - 36	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 1.5
MW-43	05/28/20	ORG	< 0.50	< 0.50	< 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-43	08/05/20	ORG	< 0.50	< 0.50	< 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-43	11/04/20	ORG	< 0.50	< 0.50	< 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-43	02/18/21	ORG	< 0.50	< 0.50	< 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-43 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

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)																
EW-01	05/26/20	ORG	< 0.50	< 0.50	**0.14 J**	**0.23 J**	< 0.50	**15**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
EW-01	08/06/20	ORG	< 0.50	< 0.50	**0.12 J**	**0.38 J**	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-01	11/03/20	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**86**	< 0.50	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	< 0.50	**46**
EW-01	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**0.94**	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**47**
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 E	< 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	03/05/20	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	**7.1**
EW-02	03/19/20	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	**6.8**
EW-02	04/02/20	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	**5.8**
EW-02	04/16/20	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	**5.4**
EW-02	05/07/20	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	**2.5**
EW-02	05/21/20	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	**7.5**
EW-02	06/05/20	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	**3.7**
EW-02	06/18/20	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	**8.3**
EW-02	07/02/20	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	**6.6**
EW-02	07/16/20	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	**7.4**
EW-02	08/06/20	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	**8.4**
EW-02	08/20/20	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	**6.4**
EW-02	09/03/20	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	**8.7**
EW-02	09/17/20	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	**5.1**
EW-02	10/01/20	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	**11**
EW-02	10/15/20	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	**12**
EW-02	11/05/20	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	**8.6**
EW-02	11/19/20	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	**6.8**
EW-02	12/03/20	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**
EW-02	12/17/20	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	**11**
EW-02	01/07/21	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	**8.0**
EW-02	01/21/21	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	**8.5**
EW-02	02/04/21	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	**8.0**
EW-02	02/18/21	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	**21**
EW-02 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 1.5	< 0.50	2.3 - 160	< 0.50	< 0.50	< 0.50	< 0.50 - 0.59	< 0.50	< 0.50	< 0.50 - 0.85	< 2.0 - 48
Perched Zone Piezometers																
P-07	02/17/21	ORG	< 5.0	< 5.0	< 5.0	**12**	< 5.0	**1,100**	< 5.0	**4.3 J**	< 5.0	< 5.0	< 5.0	**3.2 J**	< 5.0	**1,600**
P-07 Historical Range* **			< 1.0 - 12	< 0.50 - 14	< 1.0 - 8.3	8.3 - 154	< 0.50 - 17	640 - 23,300	< 1.0 - 5.1	< 3.0 - 52	< 0.50 - 1,400	< 1.0 - 25	< 3.0 - 39	< 1.0 - 17	< 0.50	360 - 3,100
P-09	02/18/21	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	< 0.20
P-09 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 0.87	< 0.50	0.56 - 130	< 0.50	< 0.50 - 0.40 J	< 0.50	< 0.50	< 0.50 - 0.58	< 0.50	< 0.50	< 0.20 - 7.1
Quality Assurance/Quality Control Samples																
TB-030520	03/05/20	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-031920	03/19/20	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-040220	04/02/20	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-041620	04/16/20	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)

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**)
Quality Assurance/Quality Control Samples (Cont'd)																
TB-050720	05/07/20	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-052120	05/21/20	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-052620	05/26/20	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-052720	05/27/20	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-052820A	05/28/20	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-052820B	05/28/20	TB-SPT	< 0.50	< 0.50	**0.067 J B**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-060520	06/05/20	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-061820	06/18/20	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-070220	07/02/20	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-071620	07/16/20	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-080420	08/04/20	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-080420	08/04/20	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
RB-080520	08/05/20	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-080520A	08/05/20	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-080620A	08/06/20	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-080520B	08/05/20	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-080620B	08/06/20	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-082020	08/20/20	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-090320	09/03/20	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-091720	09/17/20	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-100120	10/01/20	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-101520	10/15/20	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-110320A	11/03/20	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-110320B	11/03/20	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
RB-110320	11/03/20	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-11042020	11/04/20	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-110520	11/05/20	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-111920	11/19/20	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-120320	12/03/20	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-121720	12/17/20	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-010721	01/07/21	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-012121	01/21/21	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-020421	02/04/21	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-021721A	02/17/21	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-021721B	02/17/21	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-021821	02/18/21	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-021821A	02/18/21	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-021821	02/22/21	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	< 2.0
TB-021921A	02/19/21	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-021921B	02/19/21	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-022221	02/22/21	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)

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**)

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

FOOTNOTES

MCL = Maximum contaminant level
Semi-VOCs = Semivolatile organic compounds
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
(--) = Not promulgated
* = 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

QA = Quality Assurance
ORG = Original sample
FD = Field duplicate sample
SPT = Split laboratory sample
RB = Rinsate blank sample
TB = Trip blank sample
B = Analyte detected in the associated Method Blank
E = Data qualified as estimated in accordance with quality control criteria.
J = Data qualified as Estimated; does not meet calibration range acceptance criteria.
U = Data qualified as unusable in accordance with quality control criteria.
NA = Not analyzed for constituent
(<) = Less than; the value is the Limit of Detection for that compound
ug/l = Micrograms per liter

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				
MW-16	02/22/21	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.7
MW-31	02/19/21	ORG	Chloromethane	0.26 J
MW-3100	02/19/21	FD	Chloromethane	0.17 J
MW-31	02/19/21	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.77
MW-37	02/19/21	ORG	1,2,4-Trimethylbenzene	1.0
MW-37	02/19/21	ORG	n-Butylbenzene	0.32
MW-37	02/19/21	ORG	1,3,5-Trimethylbenzene	0.37
MW-37	02/19/21	ORG	Ethylbenzene	0.35
MW-37	02/19/21	ORG	n-Propylbenzene	0.26
MW-37	02/19/21	ORG	o-Xylene	0.50
MW-37	02/19/21	ORG	m,p-Xylene	1.4
MW-37	02/19/21	ORG	sec-Butylbenzene	0.12
Perched Zone Piezometers				
P-07	02/17/21	ORG	1,2,4-Trimethylbenzene	2.1

FOOTNOTES

ORG = Original sample

FD = Field duplicate sample

SPT = Split laboratory sample

J = Result qualified as Estimated; analyte detected at less than the laboratory Reporting Limit and greater than or equal to the laboratory Method Detection Limit

HARGIS+ASSOCIATES, INC.

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	X	X					
Total Suspended Solids	SM2540D	1 L poly	10													X								
Total Dissolved Solids	SM2540C	125 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		X						
Bromide	EPA 300.0	125 mL poly	0.05	(a)					(a)					X	X									
OTHER CONSTITUENTS/COMPOUNDS																								
Total Organic Carbon	SM5310B	2 - 40 mL VOA, H_2SO_4	3.0	(a)												X	X				X	X		
Anions (Chloride, Sulfate, Nitrate, Nitrite, and Phosphate)	EPA 300.0	125 mL poly	Varies	(a)																	X	X	X	
Chemical Oxygen Demand	EPA 410.4	125 mL amber, H_2SO_4	5.0	(a)																	X	X	X	
UV Absorption (UVA) @254nm	EPA 415.3	250 mL Glass	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				

TABLE 6

PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLING SCHEDULE

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%
2018[k]	18,144,835	34.5	38.3	7,889	8,760	90%
2019[l]	18,725,398	35.8	40.3	7,737	8,710	89%
2020[m]	19,500,449	36.9	38.1	8,521	8,807	97%
December 2020	1,907,007	37.7	39.2	811	843	96%
January 2021	1,532,049	38.0	39.5	647	671	96%
February 2021	1,430,519	39.8	39.8	599	599	100%
Q1 2021	**4,869,575**	**38.4**	**39.5**	**2,057**	**2,114**	**97%**
SINCE INCEPTION	212,017,768	31.8	40.6	86,999	110,978	78%

Notes:

(a) Based on Effluent totalizer readings from CEFF, 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 12/1/2014 through 11/30/2015

(j) 2017 Calendar year is from 12/1/2014 through 11/30/2015

(k) 2018 Calendar year is from 12/1/2017 through 11/30/2018

(l) 2019 Calendar year is from 12/1/2018 through 11/30/2019

(m) 2020 Calendar year is from 12/1/2019 through 11/30/2020

gpm = gallons per minute

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

Treatment of groundwater from EW-02 initiated in 2010

Treatment of groundwater from MW-29 initiated in 2014

CEFF = Carbon effluent

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1,2-Trichloroethane	03/05/20	ug/L	--	0.64	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	03/19/20	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	11	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	0.70	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	14	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	5.3	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	0.66	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	0.60	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	0.65	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	0.64	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	0.73	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	9.6	0.54	< 0.50	< 0.50	<0.50	--	<0.50	<0.50	<0.50
1,1-Dichloroethane	03/05/20	ug/L	--	1.6	--	<0.50	0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	03/19/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	22	--	0.23 J	--	--	--	--	--	--
	06/05/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	29	1.4	0.38 J	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	8.2	--	1.0	--	--	--	--	--	--
	11/05/20	ug/L	--	1.4	--	<0.50	0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	1.5	--	< 0.50	0.53	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	1.4	--	< 0.50	0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	1.5	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	1.4	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	1.8	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	16	1.2	0.94	< 0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE 8

SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethene	03/05/20	ug/L	--	160	--	14	55	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	03/19/20	ug/L	--	170	--	15	49	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	130	--	11	40	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	130	--	12	43	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	140	--	13	45	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	130	--	13	41	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	830	--	15	--	--	--	--	--	--
	06/05/20	ug/L	--	140	--	14	43	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	150	--	17	46	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	150	--	15	43	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	140	--	12	31	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	1600	140	25	14	36	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	130	--	14	38	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	97	--	15	39	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	130	--	18	43	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	160	--	15	39	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	180	--	17	45	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	930	--	86	--	--	--	--	--	--
	11/05/20	ug/L	--	170	--	17	57	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	180	--	17	55	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	180	--	18	58	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	140	--	15	52	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	170	--	14	52	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	170	--	15	51	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	220	--	15	51	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	1500	160	72	12	45	--	<0.50	<0.50	<0.50
1,2-Dichloroethane	03/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(0.5 ug/L MCL)	03/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	5.0	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	4.9	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	1.7	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	4.1	<0.50	< 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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
cis-1,2-Dichloroethene	03/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	03/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	1.2	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	1.3	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	1.0	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	1.2	< 0.50	< 0.50	< 0.50	<0.50	--	<0.50	<0.50	<0.50
Tetrachloroethene	03/05/20	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	03/19/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	0.86	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	4.6	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	4.5	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	0.58	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	0.76	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	1.8	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	0.61	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	0.54	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	0.55	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	0.60	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	0.59	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	3.6	0.61	< 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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Trichloroethene	03/05/20	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	03/19/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	15	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	14	1.4	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	2.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	14	--	0.46J	--	--	--	--	--	--
	11/05/20	ug/L	--	2.0	--	<0.50	0.73	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	2.4	--	<0.50	0.70	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	2.2	--	< 0.50	0.74	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	2.0	--	< 0.50	0.58	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	2.1	--	< 0.50	0.71	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	2.0	--	< 0.50	0.64	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	2.2	--	< 0.50	0.64	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	15	1.9	< 0.50	< 0.50	0.63	--	<0.50	<0.50	<0.50
1,4-Dioxane	03/05/20	ug/L	--	120	--	7.1	33	--	<0.20	<0.20	<0.20
(1 ug/L California Notification Level)	03/19/20	ug/L	--	110	--	6.8	30	--	<0.20	<0.20	<0.20
	04/02/20	ug/L	--	75	--	5.8	21	--	<0.20	<0.20	<0.20
	04/16/20	ug/L	--	81	--	5.4	23	--	<0.20	<0.20	<0.20
	05/07/20	ug/L	--	95	--	2.5	24	--	0.72	1.1	1.0
	05/21/20	ug/L	--	91	--	7.5	23	--	<0.20	<0.20	<0.20
	05/26/20	ug/L	740	--	11	--	--	--	--	--	--
	06/05/20	ug/L	--	91	--	3.7	25	--	<0.20	<0.20	<0.20
	06/18/20	ug/L	--	83	--	8.3	21	--	<0.20	<0.20	<0.20
	07/02/20	ug/L	--	78	--	6.6	21	--	<0.20	<0.20	<0.20
	07/16/20	ug/L	--	83	--	7.4	18	--	<0.20	<0.20	<0.20
	08/06/20	ug/L	700	78	18	8.4	20	--	<0.20	<0.20	<0.20
	08/20/20	ug/L	--	75	--	6.4	20	--	<0.20	<0.20	<0.20
	09/03/20	ug/L	--	81	--	8.7	20	--	<0.20	<0.20	--
	09/11/20	ug/L	--	--	--	--	--	--	--	--	<0.20
	09/17/20	ug/L	--	94	--	5.1	23	--	<0.20	<0.20	<0.20
	10/01/20	ug/L	--	87	--	11	24	--	<0.20	<0.20	<0.20
	10/15/20	ug/L	--	100	--	12	30	--	<0.20	<0.20	<0.20
	11/03/20	ug/L	600	--	46	--	--	--	--	--	--
	11/05/20	ug/L	--	100	--	8.6	34	--	<0.20	<0.20	<0.20
	11/19/20	ug/L	--	96	--	6.8	28	--	<0.20	<0.20	<0.20
	12/03/20	ug/L	--	100	--	11	32	--	<0.20	<0.20	<0.20
	12/17/20	ug/L	--	96	--	11	40	--	<0.20	<0.20	<0.20
	01/07/21	ug/L	--	90	--	8.0	27	--	<0.20	<0.20	<0.20
	01/21/21	ug/L	--	88	--	8.5	28	--	<0.20	<0.20	<0.20
	02/04/21	ug/L	--	75	--	8.0	26	--	<0.20	<0.20	<0.20
	02/18/21	ug/L	610	120	47	21	37	--	<0.20	<0.20	<0.20

TABLE 8

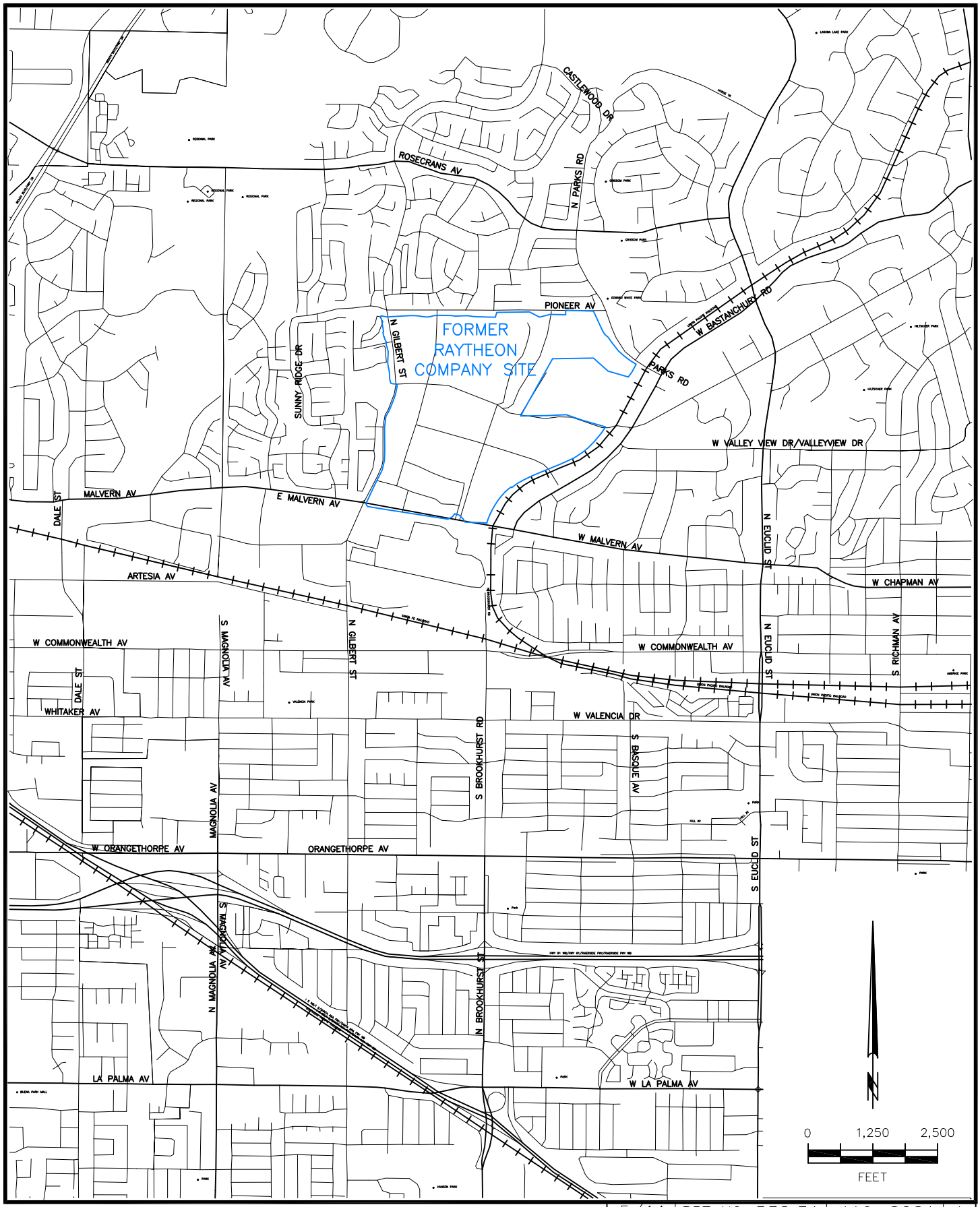
SELECT COMPOUNDS MONITORED IN
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromide	03/05/20	mg/L	--	0.41	--	0.29	0.25	--	--	--	--
	04/02/20	mg/L	--	0.57	--	0.29	0.31	--	--	--	--
	05/07/20	mg/L	--	0.34	--	0.20	0.23	--	--	--	--
	06/05/20	mg/L	--	0.78	--	0.43	0.47	--	--	--	--
	07/02/20	mg/L	--	0.81	--	0.39	0.48	--	--	--	--
	08/06/20	mg/L	--	0.91	--	0.46	0.56	--	--	--	--
	09/03/20	mg/L	--	0.95	--	0.52	0.59	--	--	--	--
	10/01/20	mg/L	--	1.0	--	0.60	0.64	--	--	--	--
	11/05/20	mg/L	--	2.2	--	1.1	1.5	--	--	--	--
	12/03/20	mg/L	--	< 0.05	--	< 0.05	< 0.05	--	--	--	--
	01/07/21	mg/L	--	< 0.05	--	< 0.05	< 0.05	--	--	--	--
	02/04/21	mg/L	--	< 0.05	--	< 0.05	< 0.05	--	--	--	--
Bromate	03/05/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
(10 ug/L MCL)	04/02/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	05/07/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	06/05/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	07/02/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	08/06/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	09/03/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	10/01/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	11/05/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	12/03/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	01/07/21	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	02/04/21	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
Total Suspended Solids	03/05/20	mg/L	--	--	--	--	--	<2.0	--	--	--
	04/02/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	05/07/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	06/05/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	07/02/20	mg/L	--	--	--	--	--	<1.2	--	--	--
	08/06/20	mg/L	--	--	--	--	--	<3.3	--	--	--
	09/03/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	10/01/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	11/05/20	mg/L	--	--	--	--	--	<2.0	--	--	--
	12/03/20	ug/L	--	--	--	--	--	<10	--	--	--
	01/07/21	ug/L	--	--	--	--	--	<10	--	--	--
	02/04/21	ug/L	--	--	--	--	--	<2.0	--	--	--
Total Dissolved Solids	03/05/20	mg/L	--	690	--	570	460	--	610	--	630
(500 mg/L MCL)	06/05/20	mg/L	--	760	--	620	640	--	640	--	630
	09/03/20	mg/L	--	850	--	660	700	--	710	--	690
	12/03/20	mg/L	--	870	--	670	700	--	690	--	700

FOOTNOTES:

[(a)] = inactive extraction wells; extraction wells MW-21 and EW-01 operated routinely from July 2008 to November 2009
MCL = Drinking Water Maximum Contaminant Level
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; combined flow from active extraction wells
PF = Post Particulate Filter
POX = Post Advanced Oxidation
CBT = Carbon Breakthrough
CEFF = Carbon Effluent
J = Estimated Value; analyte detected at less than the Reporting Limit and greater than or equal to the Method Detection Limit

FIGURES



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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

MW-39 MW-36 MW-41 MW-37 MW-38 MW-34 MW-32 MW-33 MW-43 MW-42 MW-35 MW-40 MW-31 MW-29 MW-08 MW-15 MW-30 MW-23 MW-28 MW-26/EB-04 MW-27 MW-13 MW-18 MW-17 MW-19 MW-22 MW-12 MW-14 MW-11 MW-10 MW-07 MW-20 MW-05 MW-06 MW-09 P-07 MW-24 MW-21 MW-25/EB-03 EW-01 MW-16 EW-02 P-01 P-02 P-03 P-04 P-09 DPE-01 DPE-02 DPE-03 DPE-04 DPE-05 DPE-06 EB-01 EB-02

SEE DETAIL BELOW

CITY OF FULLERTON WELL NO. 9

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

EMERYWOOD DRIVE, KENWOOD AVENUE, MONTICELLO AVENUE, LINKS ROAD, MALVERN AVENUE, ROCKLEDGE DRIVE, VESTAVIA AVE, JONESBORO WAY, MCCOMBSBROOK WAY, NORTHAMPTON WAY, SHERIDAN RD, NEWCASTLE LN, WILLIAMSBURG RD, BAYBERRY WAY, BAYCREST PL, ROXBURY DR, BRIGHTON PL, ASHTON PL, FOXBOROUGH PL, BURNING TREE RD, N SEVILLE PL, FRANKLIN HILLS DR, MONTEREY PL, CYPRESS POINT DR, RAMADA PLAZA, N CANDLEWOOD DR, N FOSS RD, SUNNY RIDGE DR, CARMEL CIR, SUNNY RIDGE DR, CREEKSIDE DR, WINDSONG WAY, SANDBAR DR, CREEKSIDE DR, W MILLSTREAM DR, WHITEWATER DR, BRAMBLE WAY, CREEKSIDE DR, NORTH GILBERT STREET, STERN-GOODMAN STREET, STARBUCK STREET, HUGHES DRIVE, COOLING TOWER, 601, 609, ROOS, OLD WAY, UNDER-GROUND TANKS, CONSTRUCTION OFFICE, OPEN STORAGE, RETAIL, TARGET, ALBERTSONS, BANK OF AMERICA, BUILDING MAINTENANCE BUILDING, MALVERN AVENUE, BREA CREEK, MOORE AVENUE, BURNING TREE ROAD, AIRPARK DRIVE, GILBERT STREET, RAYMER AVENUE, A. T. & S. F. RAILROAD, ARTESIA BLVD, DALE STREET, LAKEKNOLL DRIVE, FULLERTON MUNICIPAL AIRPORT, PRITCHARD AVENUE

0 250 500 FEET

DETAIL AREA

0 50 100 FEET

Mar 19, 2020 - 4:21pm ESS - T:\2020\500-599\532 Raytheon\Hydrogeology\H+A Basemaps\410-10225.dwg

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Hydrogeology/Engineering

03/20	RPT NO. 532.31	410-10225	A

FIGURE 2.
WELL AND PIEZOMETER LOCATIONS

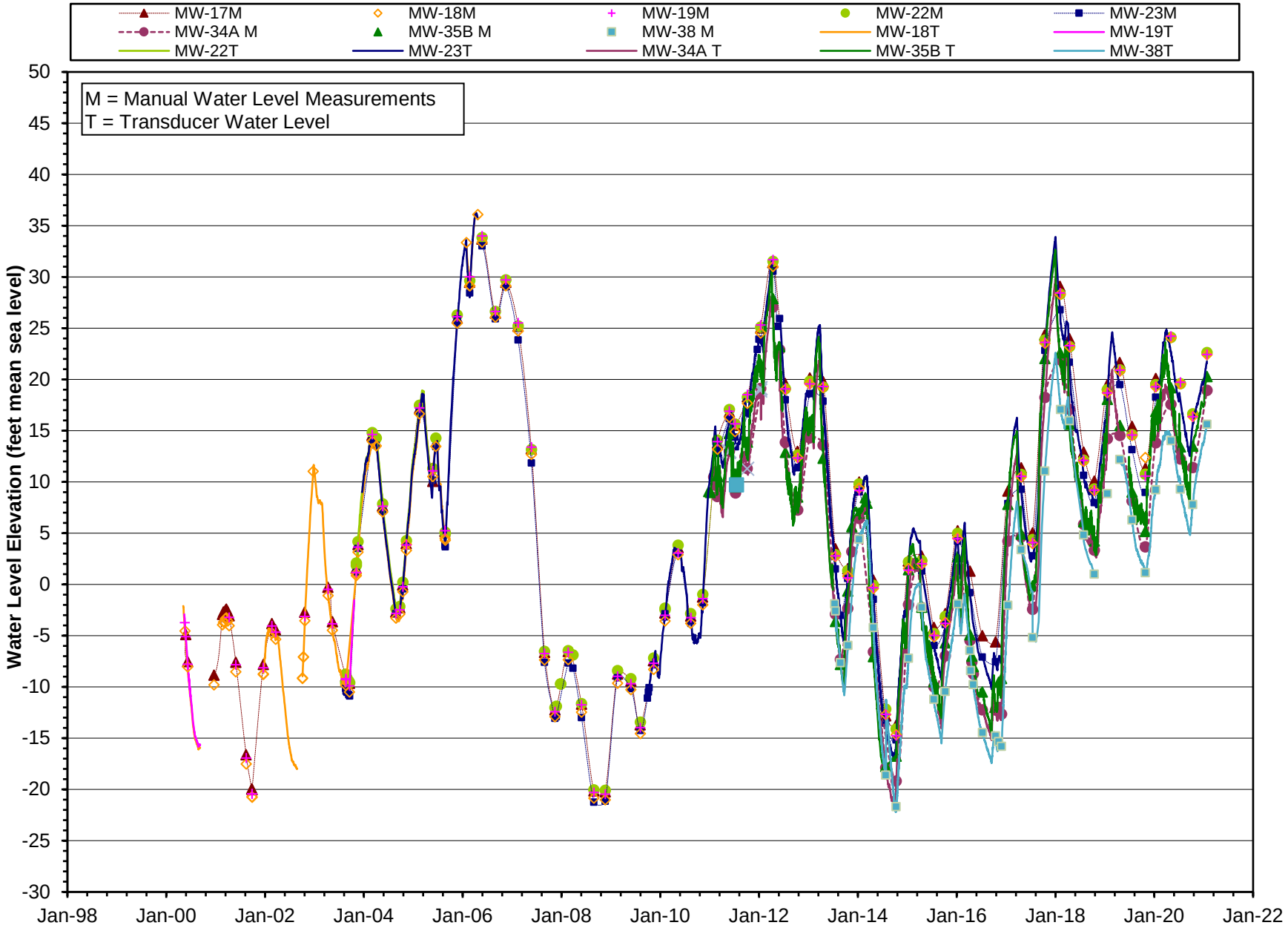


FIGURE 3. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT A MONITOR WELLS

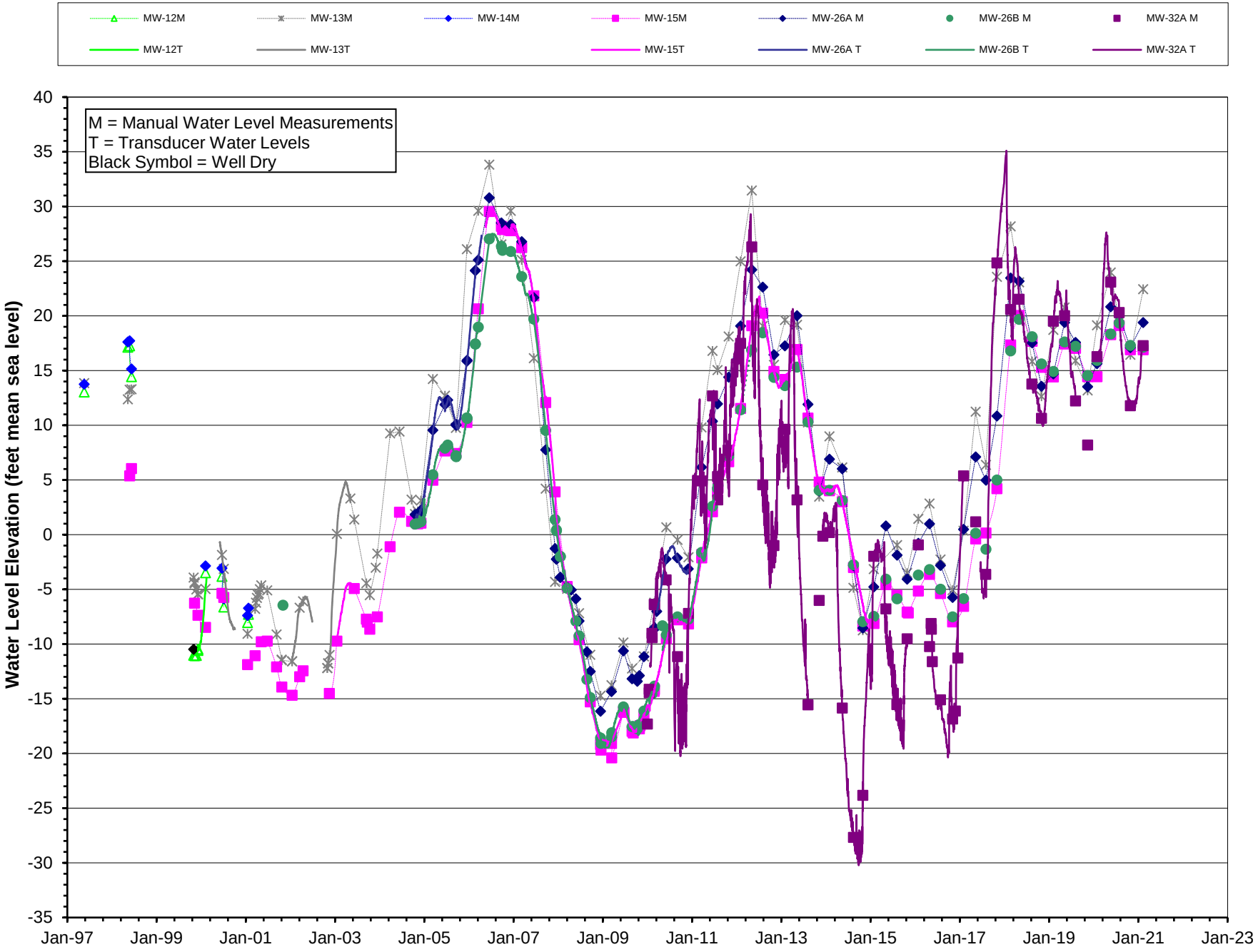


FIGURE 4. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT AB MONITOR WELLS

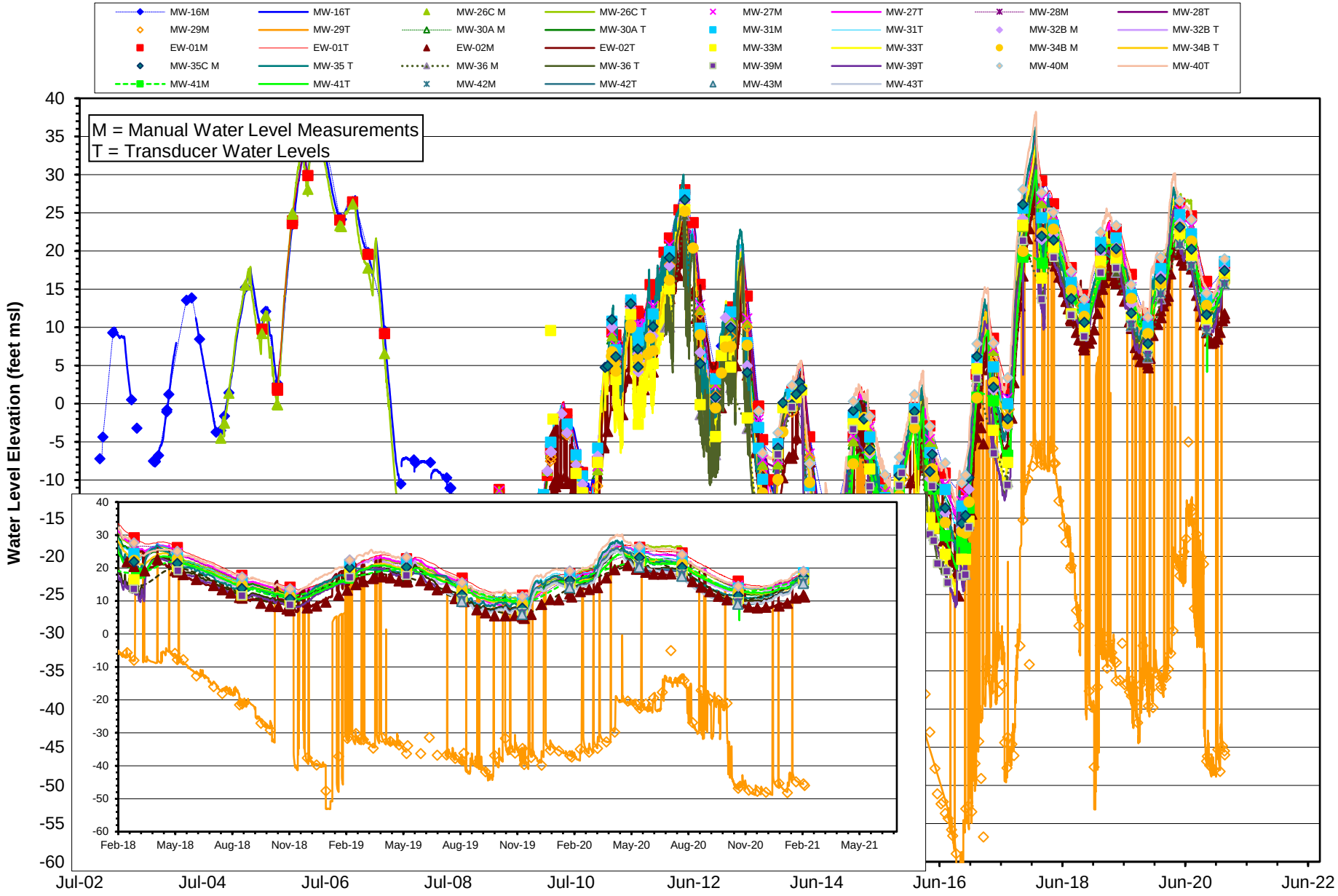


FIGURE 5. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT B MONITOR AND EXTRACTION WELLS

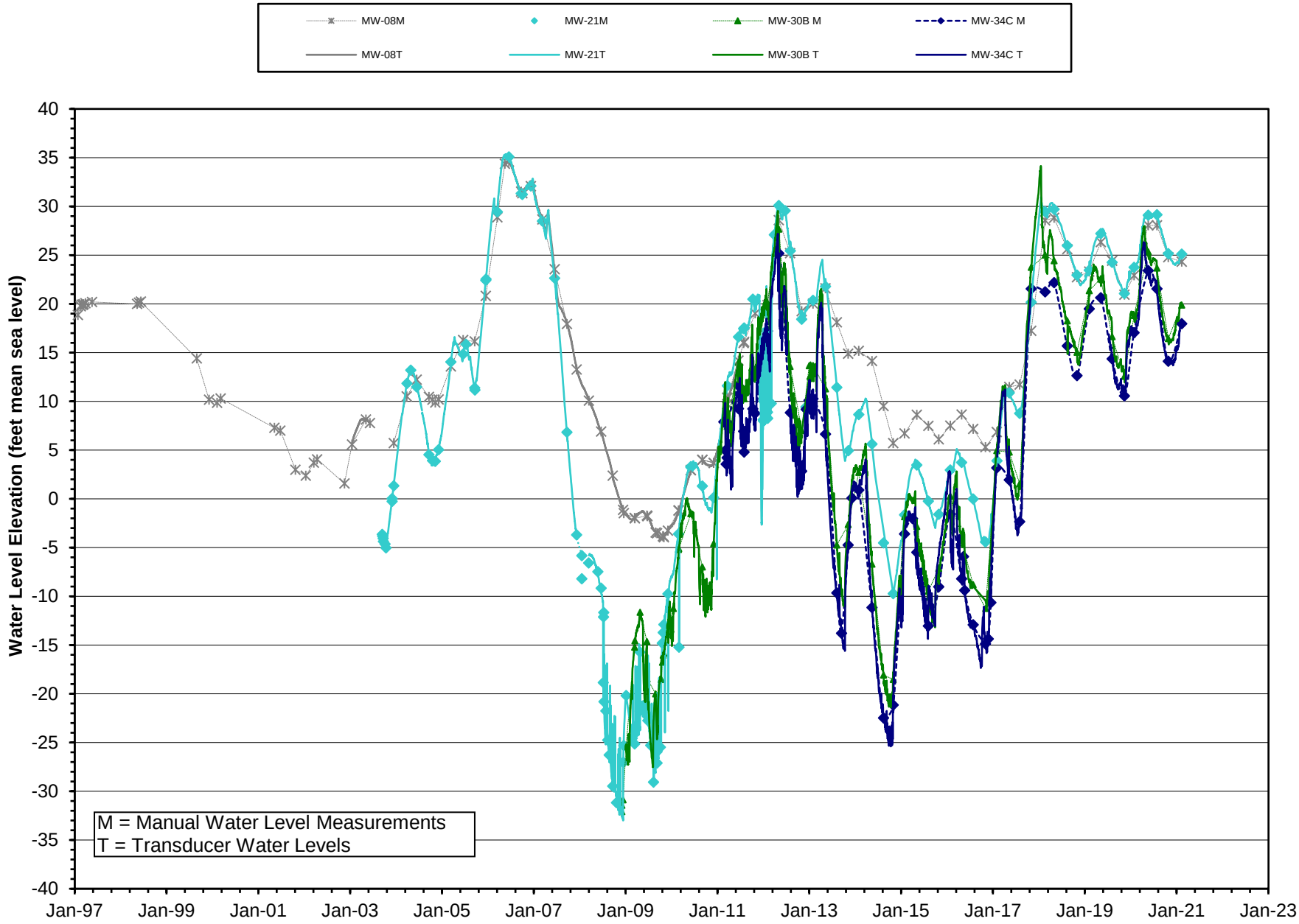


FIGURE 6. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT BC MONITOR AND EXTRACTION WELLS

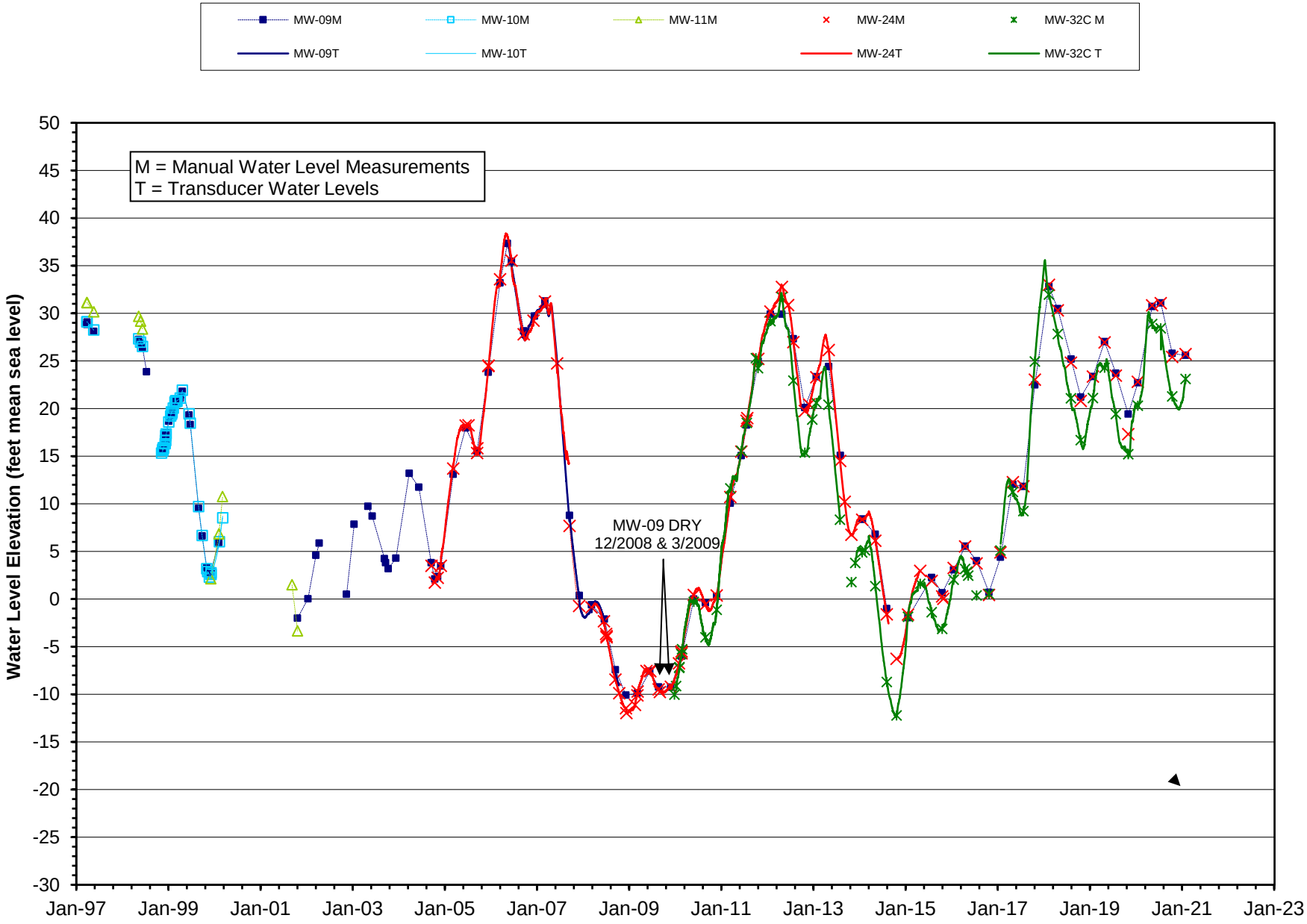


FIGURE 7. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT C MONITOR WELLS

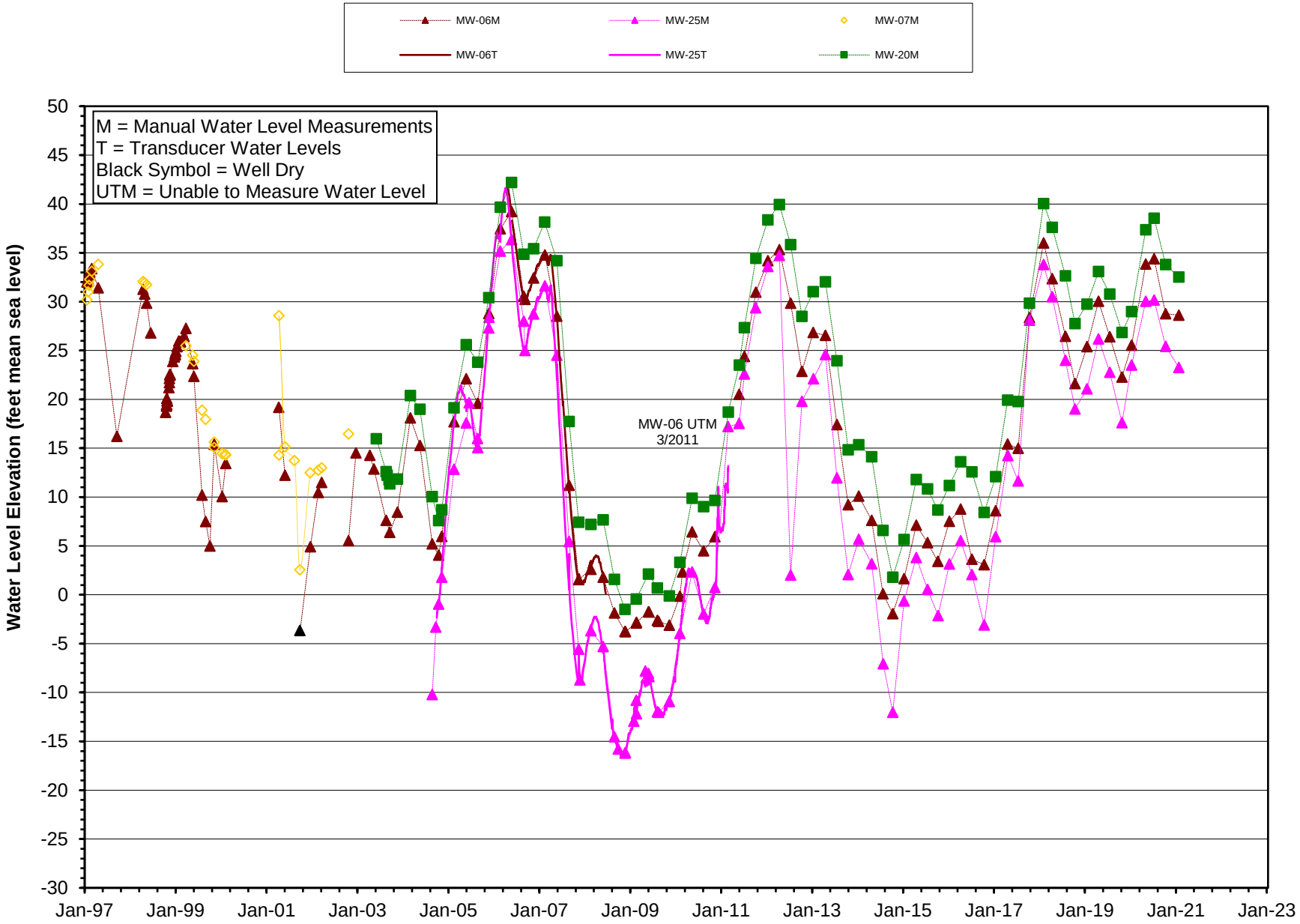


FIGURE 8. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, UNIT D MONITOR WELLS

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)

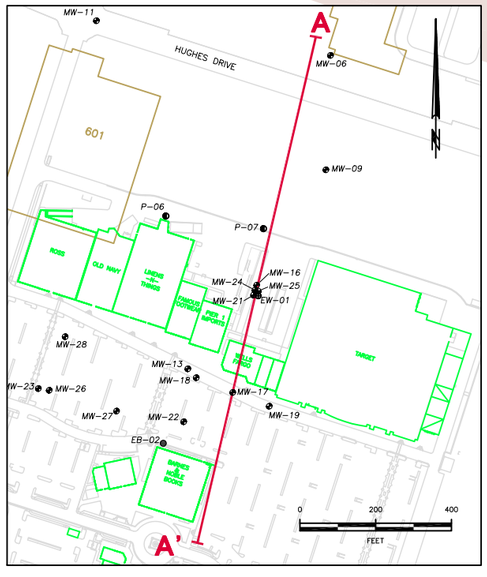
FORMER LAND SURFACE
CURRENT LAND SURFACE
PERCHED ZONE
UNSATURATED ZONE
UNIT B (TARGET ZONE)
UNIT C
UNIT D
UNIT A

MW-06 <0.50/NA
MW-09 0.35J/<0.20
P-07 1,100/1,600
MW-16 900E/35E
EW-01 72/47
MW-21 1,500/610
MW-24 <0.50/<0.20
MW-28 0.56/<0.20
MW-25 NS/NS
MW-26C <0.50/<0.20
MW-17 NS/NS
TEMPORARY WELL SCREEN
MW-22 NS/NS
MW-26A NS/NS
MW-26B NS/NS
MW-23 NS/NS
MW-27 <0.50/<0.20

?

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
- 72 — 1,1−DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY 2021
- 47 — 1,4−DIOXANE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY 2021
- NS — NOT SAMPLED IN FEBRUARY 2021
- NA — NOT ANALYZED FOR (SPECIFIC ANALYTE) IN FEBRUARY 2021
- < — LESS THAN; VALUE IS THE LIMIT OF DETECTION
- J — ESTIMATED VALUE, ANALYTE DETECTED AT LESS THAN THE REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT
- ? — 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
- E — DATA QUALIFIED AS ESTIMATED

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

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Hydrogeology/Engineering

04/21	RPT NO. 532.31	310-1541	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

19/2.6

0.42J/<0.20

160/120

0.56/<0.20

12/21

TEMPORARY WELL SCREEN

NS/NS

MW-30A

<0.50/<0.20

MW-30B

21/<0.20

60/6.3

UNIT A

UNIT A/B

UNIT B (TARGET ZONE)

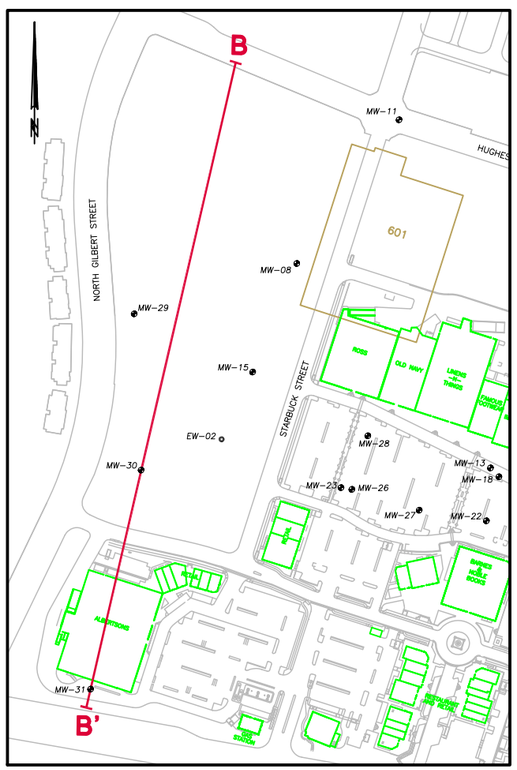
UNIT B/C

UNIT C

ELEVATION, FEET MEAN SEA LEVEL

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 −700 −725 −750 −775 −800 −825 −850 −875 −900 −925 −950 −975 −1000

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
- 160 — 1,1−DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY 2021
- 120 — 1,4−DIOXANE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY 2021
- NA — NOT ANALYZED FOR (SPECIFIC ANALYTE) IN FEBRUARY 2021
- < — LESS THAN; VALUE IS THE LIMIT OF DETECTION
- J — ESTIMATED VALUE, ANALYTE DETECTED AT LESS THAN THE REPORTING LIMIT AND GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT
- ? — 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

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

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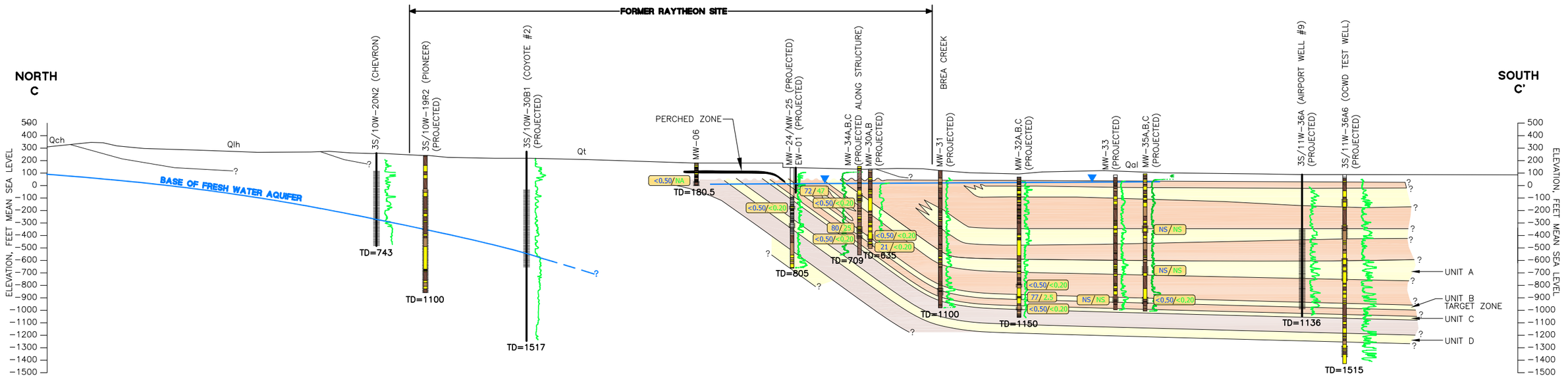
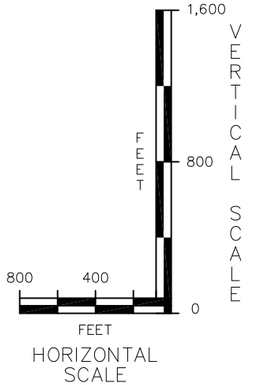
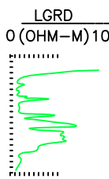
FIGURE 10.
SITE CONCEPTUAL GROUNDWATER MODEL HYDROGEOLOGIC CROSS−SECTION B−B'



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

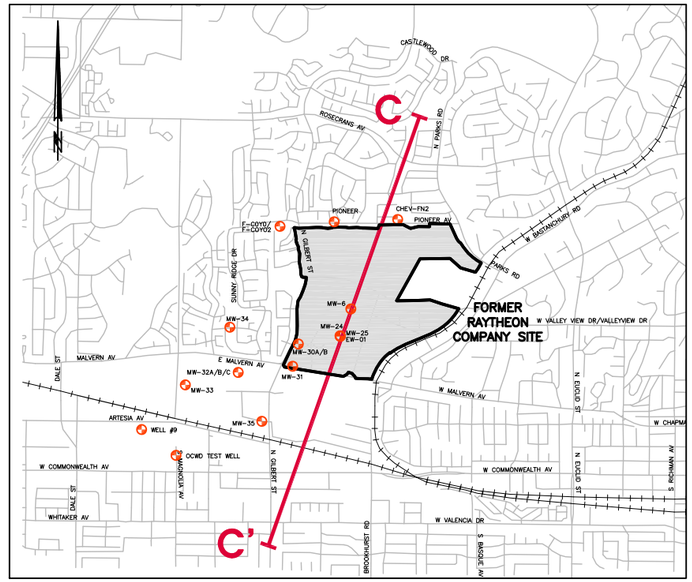


RESISTIVITY LOG (ohm−m) (LATERAL OR SHORT−NORMAL) OF WELL BOREHOLE. RIGHT EDGE OF THE LITHOLOGIC LOG COLUMN IS THE ZERO ohm−m LINE.

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.
80	1,1−DICHLOROETHYLENE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY 2021 UNLESS OTHERWISE INDICATED
25	1,4−DIOXANE CONCENTRATION, MICROGRAMS PER LITER, FEBRUARY 2021 UNLESS OTHERWISE INDICATED
NA	NOT ANALYZED FOR (SPECIFIC ANALYTE) IN FEBRUARY 2021
	NOTE: SURFACE DISTRIBUTION OF STRATIGRAPHIC UNITS AND DESCRIPTIONS OF STRATIGRAPHIC UNITS EXCERPTED FROM YERKES, 1972.
▽	APPROXIMATE UNIT B GROUNDWATER LEVEL, FEBRUARY 2021
?	QUERIED WHERE INFERRED

NOTE: NOT ALL ON−SITE WELLS ARE DEPICTED ON CROSS SECTION

CROSS SECTION LOCATION



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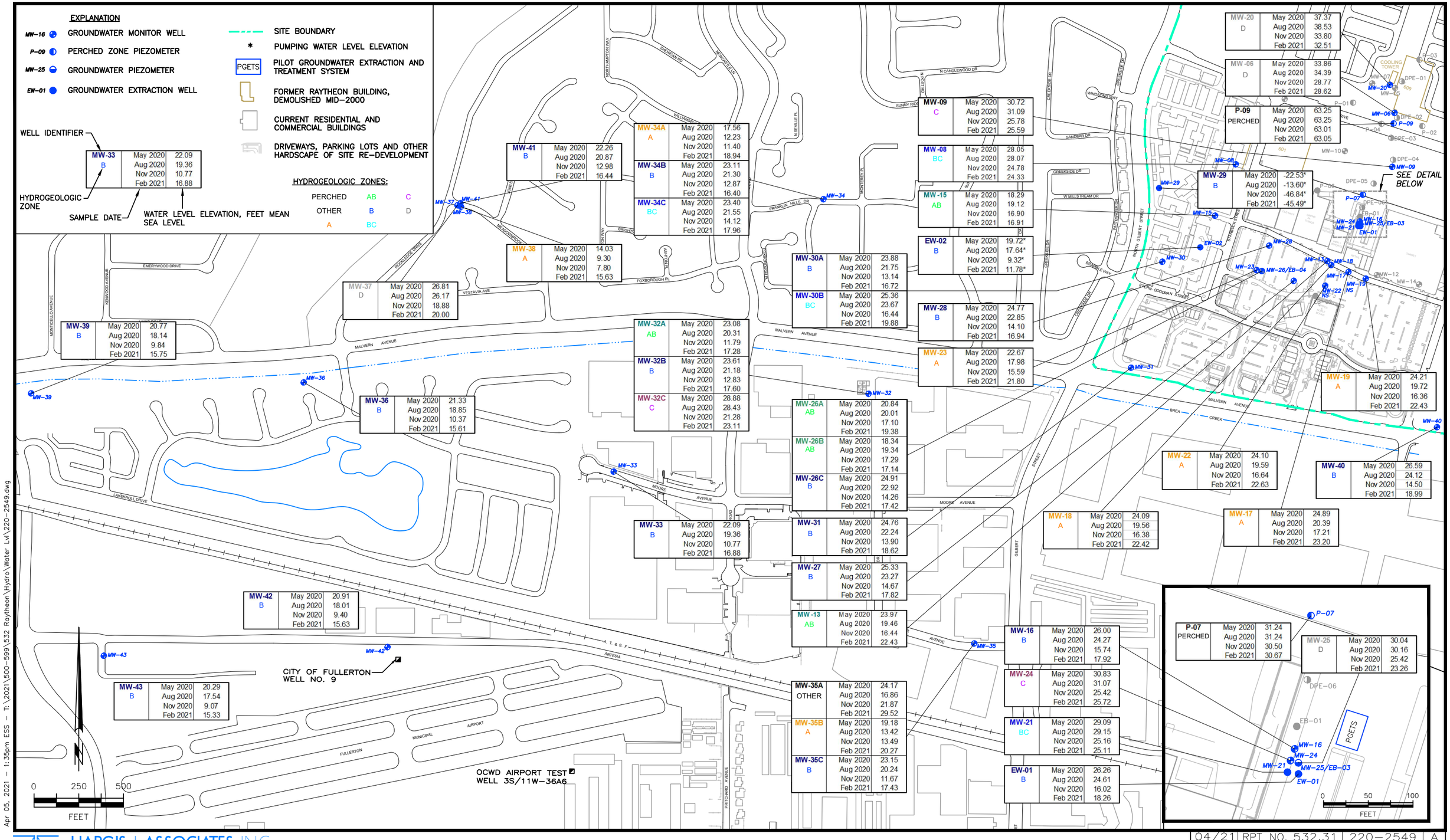
03/21	RPT NO. 532.31	310−1543	A

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



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04/21 | RPT NO. 532.31 | 220-2549 | A

FIGURE 12.
WATER LEVEL ELEVATIONS
MAY 2020 THROUGH FEBRUARY 2021

EXPLANATION

- MW-16 — GROUNDWATER MONITOR WELL
- EW-01 — GROUNDWATER EXTRACTION WELL
- 26.26 — WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
- 130/91/1.2 — CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE/TRICHLOROETHYLENE IN GROUNDWATER (MICROGRAMS PER LITER)
- 22 — 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 2020 (COLLECTED ON MAY 26 AND 28, 2020)
- * — EXTRACTION WELLS EW-02 AND MW-29 PUMPING DURING WATER LEVEL GAUGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION
- NS — NOT SAMPLED

LOS COYOTES COUNTRY CLUB

APPROXIMATE SATURATED EXTENT OF UNIT B

MW-41
22.26
0.81/0.25/<0.50

MW-34B
23.11
67/8.5/0.12J

MW-29*
23.44
130/91/1.2

EW-02*
22.37
13/1.5/<0.50

MW-30A
23.08
0.14J/<0.20/<0.50

MW-28
24.77
0.37J/<0.20/<0.50

MW-27
25.35
NS

MW-260
24.87
<0.50/<0.20/<0.50

MW-16
26.00
NS

EW-01
26.26
15/1.1/<0.50

MW-31
24.76
38/2.1/3.8

MW-40
26.68
<0.50/<0.20/<0.50

MW-32B
23.61
58/2.1/14

MW-33
22.09
3.2/0.11J/0.51

MW-36
21.33
97/9.5/0.15J

MW-39
20.77
<0.50/<0.20/<0.50

MW-42
20.91
36/1.5/<0.50

MW-43
20.29
<0.50/<0.20/<0.50

MW-35C
23.15
<0.50/<0.20/<0.50

CITY OF FULLERTON WELL NO. 9

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

BREA CREEK

22 23 24 25 26

0 250 500
FEET
NOTE: NAD83 DATUM

Feb 24, 2021 - 12:47pm ESS - T:\2020\500-599\532 Raytheon\Hydrogeology\Water Lvl\220-2530.dwg

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Hydrogeology/Engineering

06/20 | RPT NO. 532.31 | 220-2530 | A

FIGURE 13A.
WATER LEVEL AND WATER QUALITY UNIT B
MAY 2020

EXPLANATION

- MW-16 — GROUNDWATER MONITOR WELL
- EW-01 — GROUNDWATER EXTRACTION WELL
- 24.27 — WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
- 590/62/3.5 — CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE/TRICHLOROETHYLENE IN GROUNDWATER (MICROGRAMS PER LITER)
- 24 — 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 2020 (COLLECTED ON AUGUST 3, 2020)
- * — EXTRACTION WELLS EW-02 AND MW-29 PUMPING DURING WATER LEVEL GAUGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION
- NS — NOT SAMPLED

LOS COYOTES COUNTRY CLUB

APPROXIMATE SATURATED EXTENT OF UNIT B

MW-41
20.87
1.1/0.24/<0.50

MW-34B
21.30
54/13/0.21J

MW-29*
21.32
140/78/1.4

MW-28
22.85
0.38J/<0.20/<0.50

MW-16
24.27
590/62/3.5

EW-01
24.61
25/18/<0.50

MW-30A
21.75
<0.50/<0.20/0.36J

EW-02*
20.17
14/8.4/<0.50

MW-27
23.27
NS

MW-26C
22.32
<0.50/<0.20/<0.50

MW-31
22.24
150/8.6/6.7

MW-39
18.14
<0.50/<0.20/<0.50

MW-36
18.85
60/8.2/0.26J

MW-32B
21.18
52/1.7/13

MW-33
19.36
3.3/<0.20/0.40J

MW-40
24.12
<0.50/<0.20/<0.50

MW-35C
20.24
<0.50/<0.20/<0.50

MW-43
17.54
<0.50/<0.20/<0.50

MW-42
18.01
31/1.4/<0.50

CITY OF FULLERTON WELL NO. 9

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

0 250 500
FEET
NOTE: NAD83 DATUM

Feb 24, 2021 - 12:48pm ESS - T:\2020\500-599\532 Raytheon\Hydrogeology\Water Lvl\220-2533.dwg

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Hydrogeology/Engineering

09/20 | RPT NO. 532.31 | 220-2533 | A

FIGURE 13B.
WATER LEVEL AND WATER QUALITY UNIT B
AUGUST 2020

EXPLANATION

MW–16	GROUNDWATER MONITOR WELL
EW–01	GROUNDWATER EXTRACTION WELL
16.02	WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
86/46/0.46J	CONCENTRATION OF 1,1–DICHLOROETHYLENE/1,4–DIOXANE/TRICHLOROETHYLENE IN GROUNDWATER (MICROGRAMS PER LITER)
15	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 2020 (COLLECTED ON NOVEMBER 2, 2020)
*	EXTRACTION WELLS EW–02 AND MW–29 PUMPING DURING WATER LEVEL GAUGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION
NS	NOT SAMPLED

APPROXIMATE SATURATED EXTENT OF UNIT B

LOS COYOTES COUNTRY CLUB

MW–41
12.98
0.99/<0.20/<0.50

MW–34B
12.87
68/29/0.22J

MW–29*
12.84
170/100/2.0

MW–28
14.10
0.83/<0.20/<0.50

MW–30A
13.14
<0.50/<0.20/0.66

EW–02*
11.58
17/8.6/<0.50

MW–16
15.74
NS

EW–01
15.02
86/46/0.46J

MW–27
14.67

MW–26C NS
14.26
<0.50/<0.20/<0.50

MW–31
13.90
350/15/13

MW–40
14.50
<0.50/<0.20/<0.50

MW–39
9.84
<0.50/<0.20/<0.50

MW–36
10.37
72/6.4/<0.50

MW–32B
12.83
76/1.6/18

MW–33
10.77
4.6/<0.20/0.42J

MW–43
9.07
<0.50/<0.20/<0.50

MW–42
9.41
32/0.83/<0.50

CITY OF FULLERTON WELL NO. 9

OCWD AIRPORT TEST WELL 3S/11W–36A6

MW–35C
11.67
<0.50/<0.20/<0.50

0 250 500
FEET
NOTE: NAD83 DATUM

Feb 24, 2021 – 12:49pm ESS – T:\2020\500–599\532 Raytheon\Hydrogeology\Water Lvl\220–2546.dwg

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

12/20	RPT NO. 532.31	220–2546	A

FIGURE 13C.
WATER LEVEL AND WATER QUALITY UNIT B
NOVEMBER 2020

EXPLANATION

- MW-16 — GROUNDWATER MONITOR WELL
- EW-01 — GROUNDWATER EXTRACTION WELL
- 18.26 — WATER LEVEL ELEVATION (FEET MEAN SEA LEVEL)
- 72/47/<0.50 — CONCENTRATION OF 1,1-DICHLOROETHYLENE/1,4-DIOXANE/TRICHLOROETHYLENE IN GROUNDWATER (MICROGRAMS PER LITER)
- 18 — 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 2021 (COLLECTED ON FEBRUARY 16, 2021)
- * — EXTRACTION WELLS EW-02 AND MW-29 PUMPING DURING WATER LEVEL GAUGING; ESTIMATED WATER LEVEL BASED ON THIEM EQUATION
- ** — NOT CONTOURED
- NS — NOT SAMPLED

LOS COYOTES COUNTRY CLUB

APPROXIMATE SATURATED EXTENT OF UNIT B

MW-41
16.44
0.66/<0.20/<0.50

MW-34B**
15.92
80/25/<0.50

MW-29*
16.19
160/120/1.9

EW-02*
15.15
12/21/<0.50

MW-30A
16.72
<0.50/<0.20/<0.50

MW-28
16.94
0.56/<0.20/<0.50

MW-16
17.92
990E/35E/5.8

EW-01
18.26
72/47/<0.50

MW-27
17.82
<0.50/<0.20/<0.50

MW-26C
17.78
<0.50/<0.20/<0.50

MW-31
18.62
60/6.3/6.2

MW-40
18.08
0.29J/0.61/<0.50

MW-39
15.75
0.50/<0.20/<0.50

MW-36
15.61
80/10/<0.50

MW-32B
17.60
77/2.5/18

MW-33
16.88
NS

MW-42
15.63
35/1.9/<0.50

CITY OF FULLERTON WELL NO. 9

MW-43
15.33
<0.50/<0.20/<0.50

MW-35C
17.43
<0.50/<0.20/<0.50

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

0 250 500
FEET
NOTE: NAD83 DATUM

Apr 05, 2021 - 2:36pm ESS - T:\2021\500-599\532 Raytheon\Hydro\Water Lvl\220-2548.dwg

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Hydrogeology/Engineering

04/21	RPT NO. 532.31	220-2548	A

FIGURE 13D.
WATER LEVEL AND WATER QUALITY UNIT B
FEBRUARY 2021

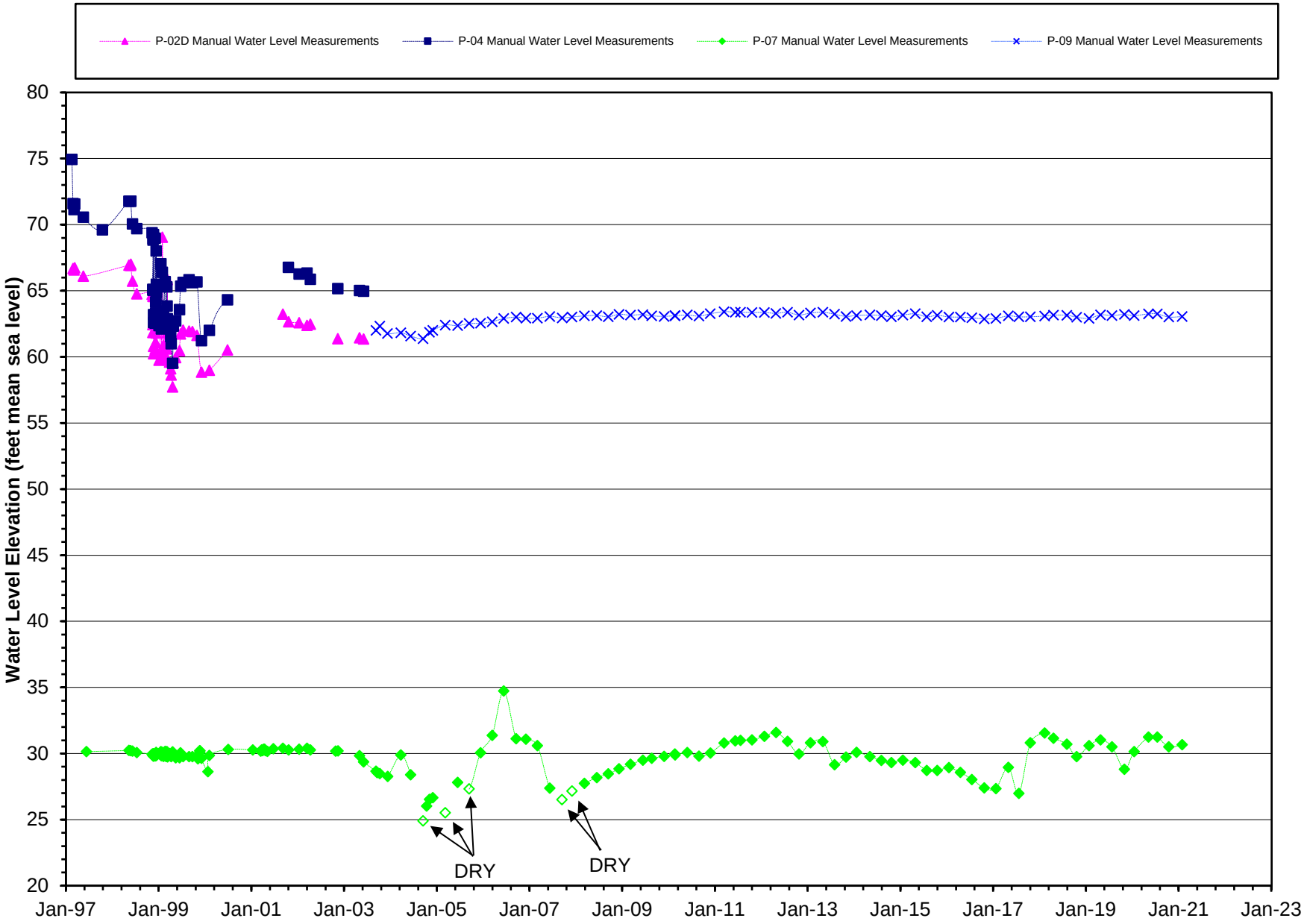


FIGURE 14. PERCHED ZONE WATER LEVELS, CENTRAL PORTION OF SITE

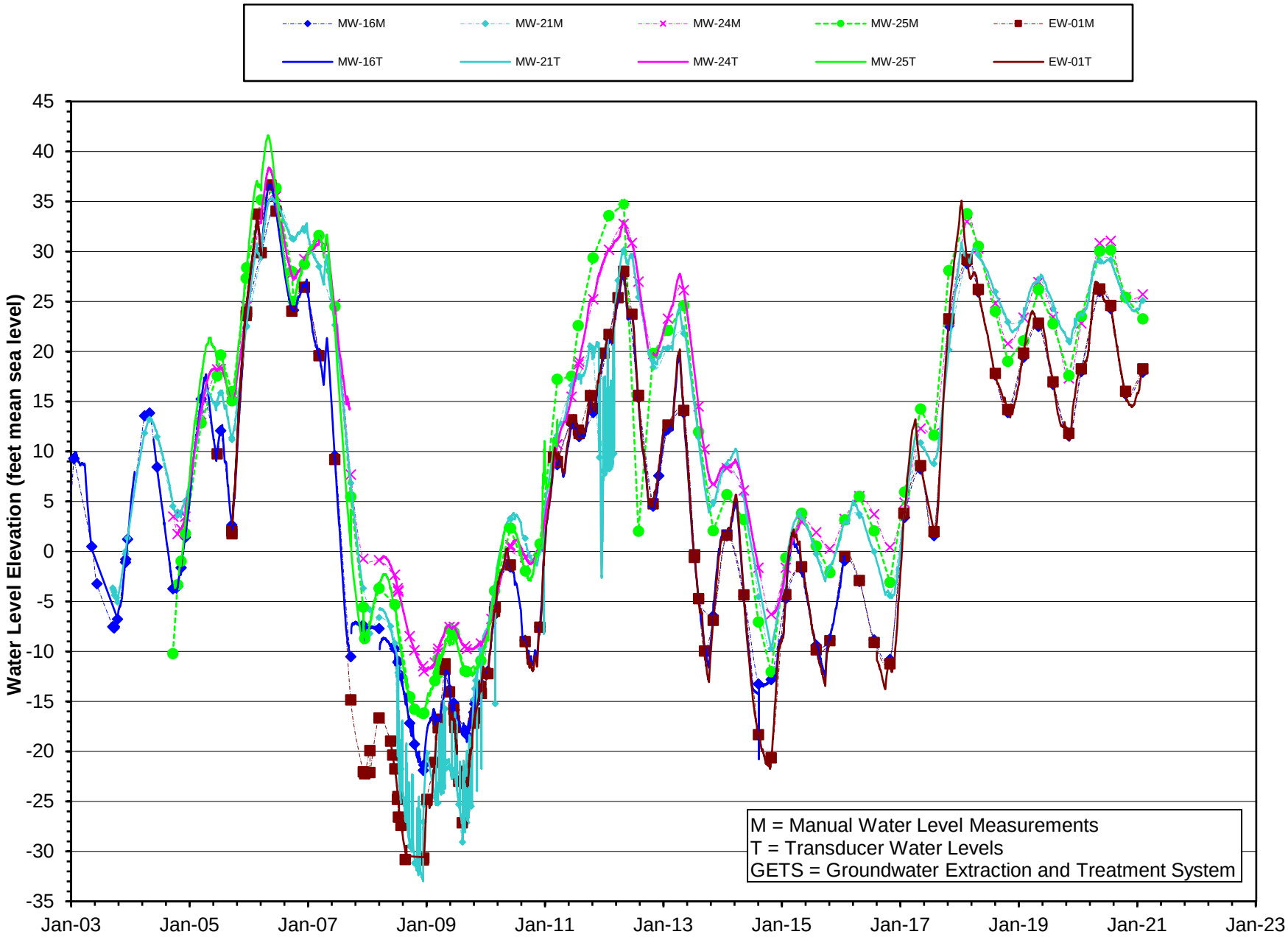


FIGURE 15. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR AND EXTRACTION WELL CLUSTER EW-01/MW-16/21/24/25

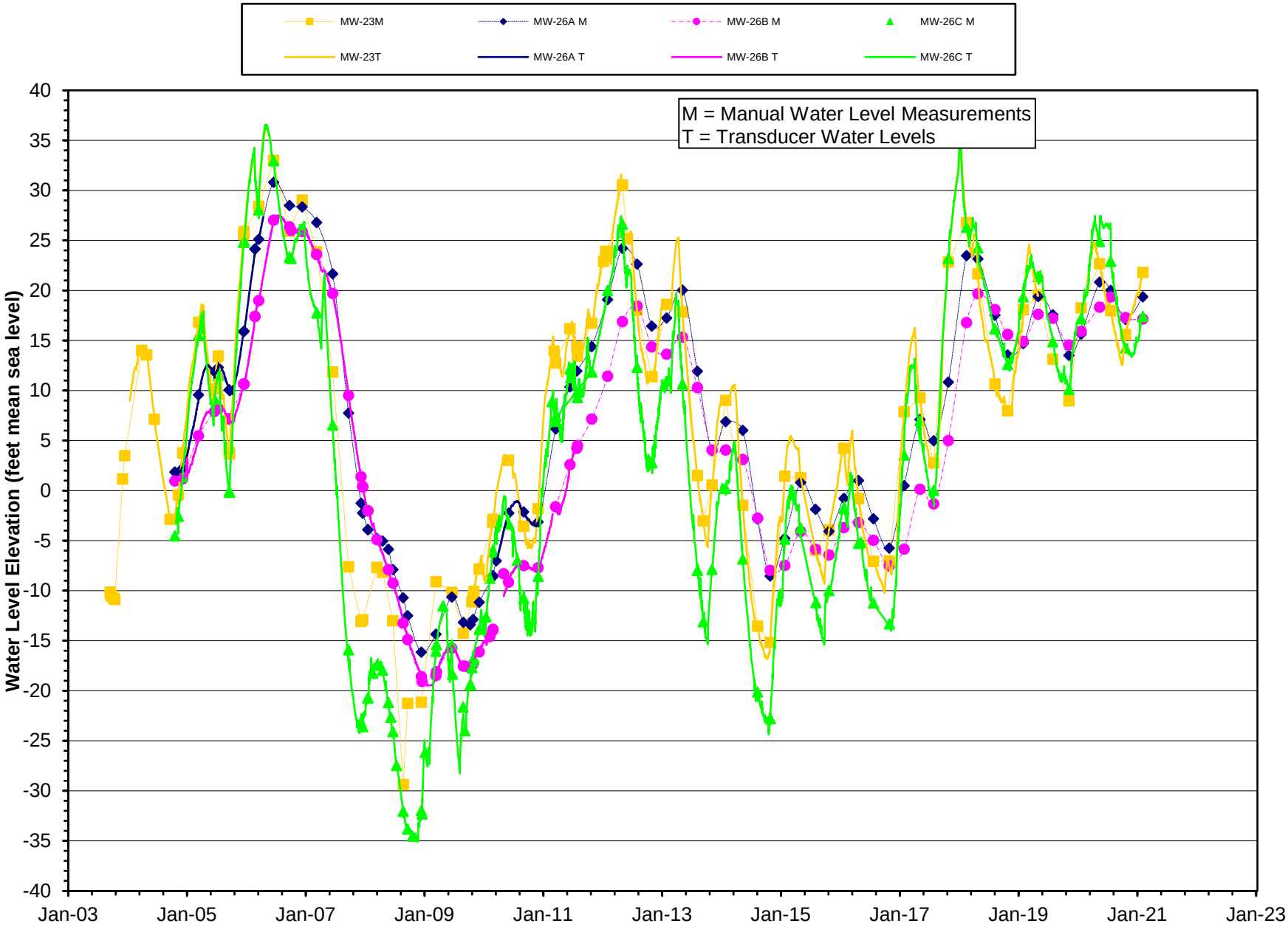


FIGURE 16. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-23/26A/26B/26C

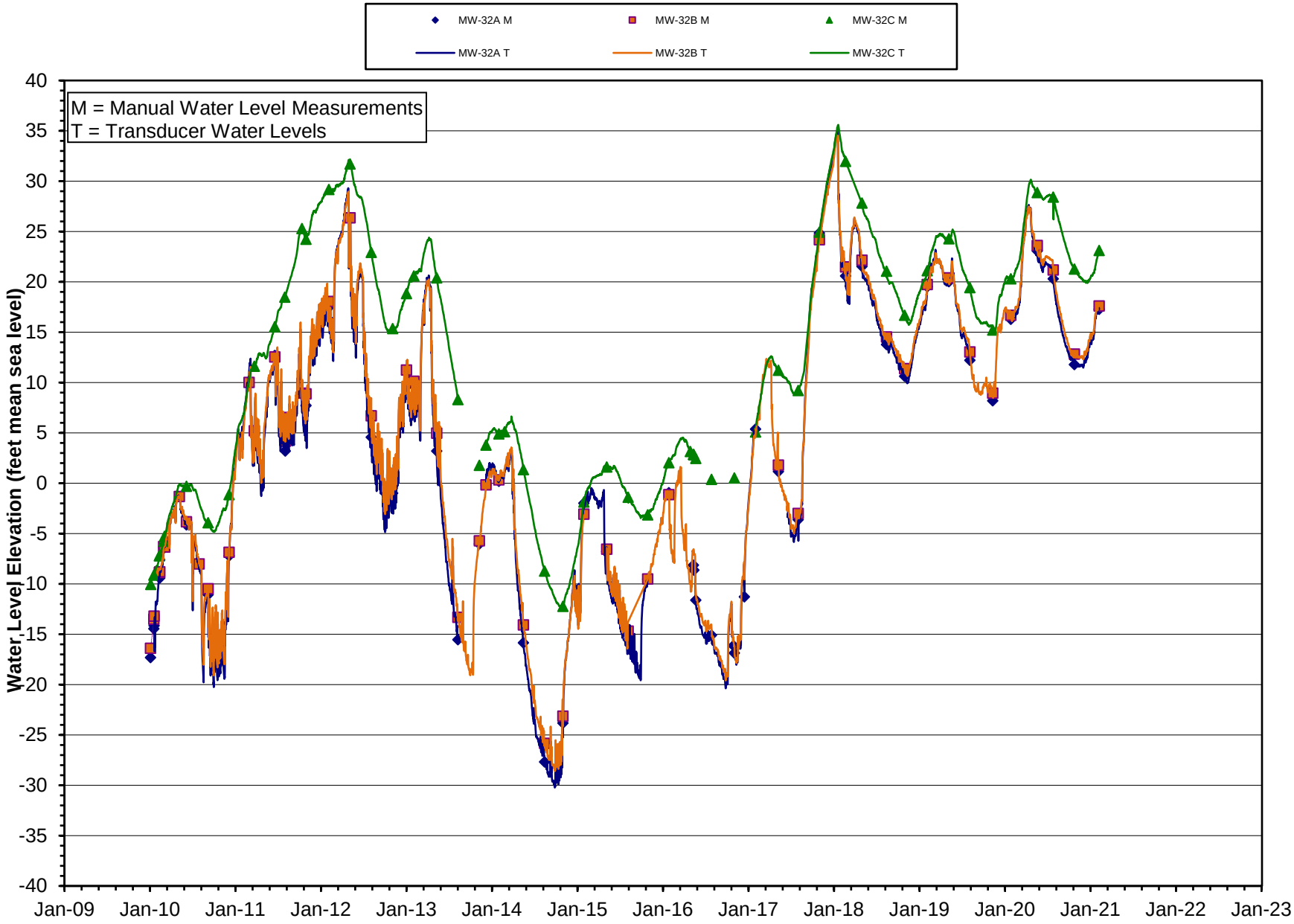


FIGURE 17. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-32A/32B/32C

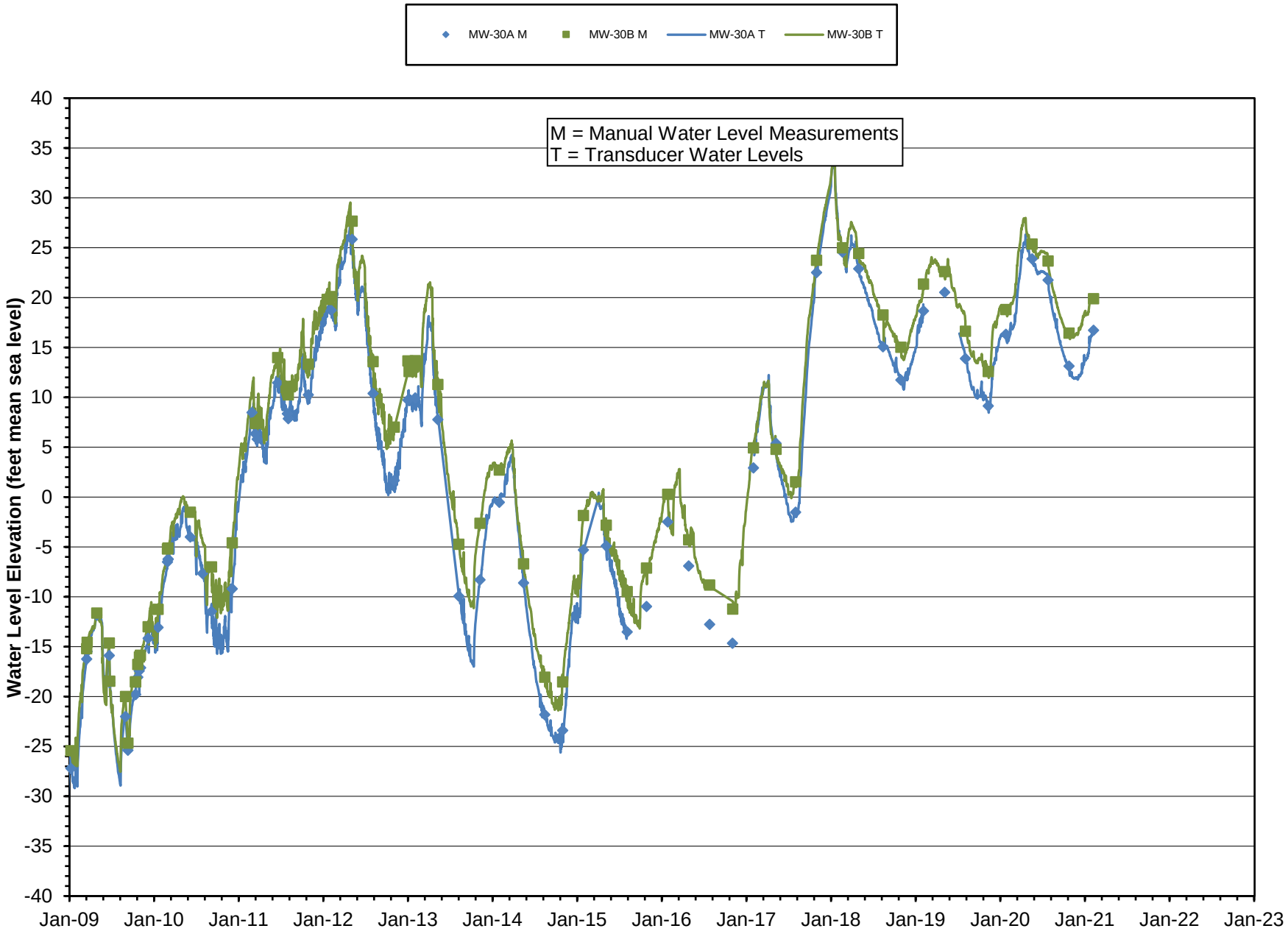


FIGURE 18. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-30A/30B

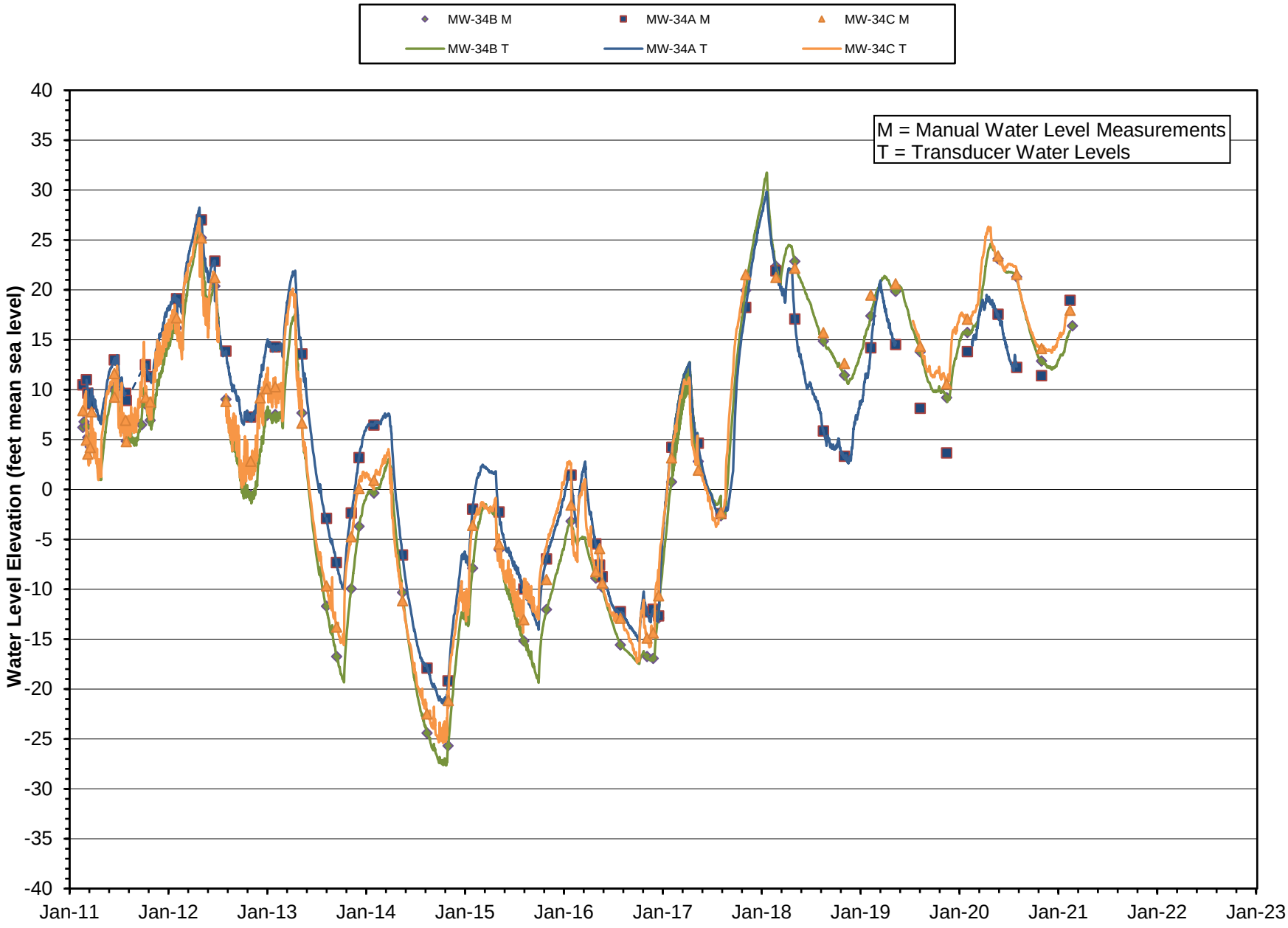


FIGURE 19. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, MONITOR WELL CLUSTER MW-34A/34B/34C

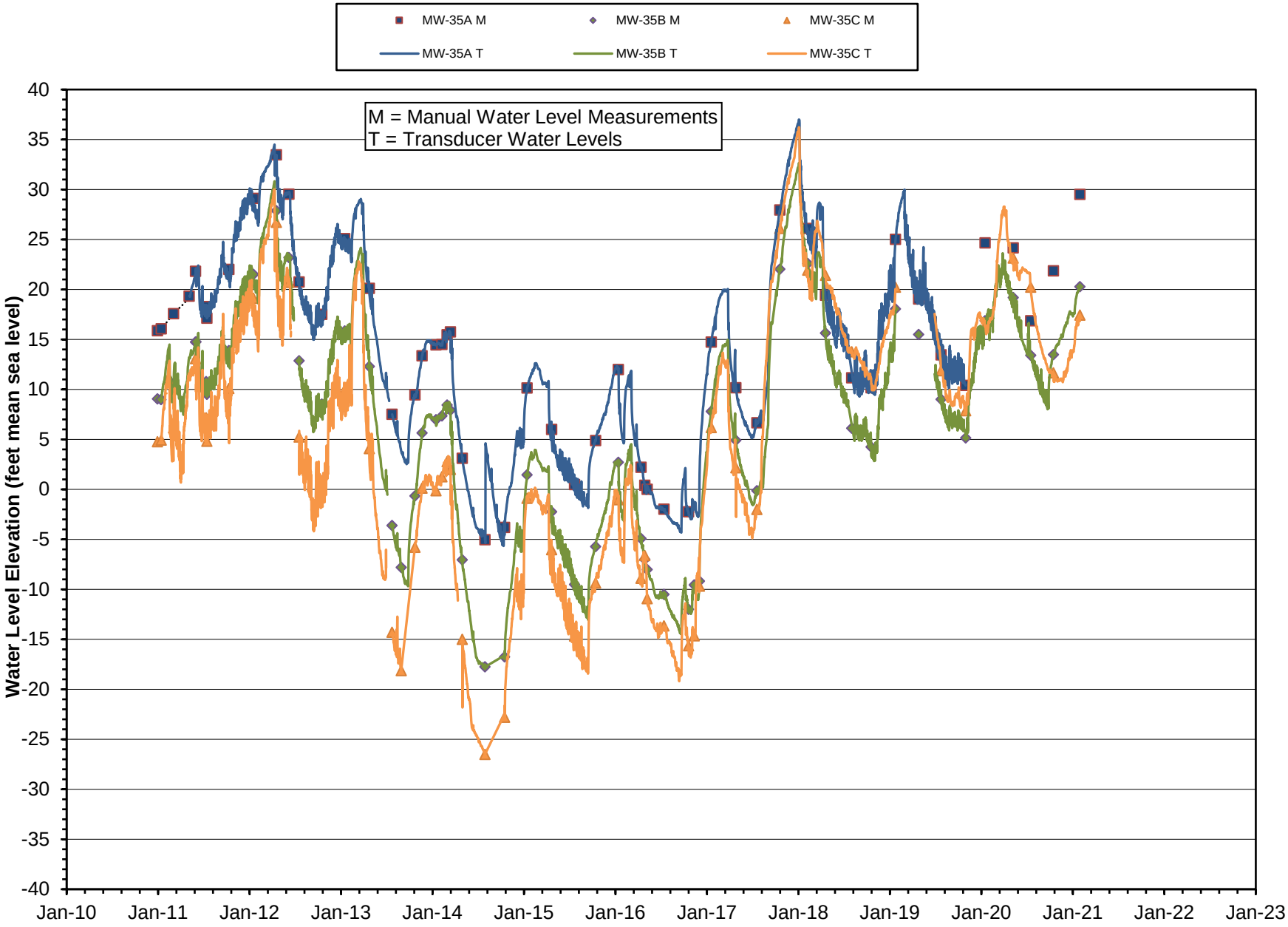


FIGURE 20. REGIONAL GROUNDWATER SYSTEM WATER LEVELS, NESTED MONITOR WELLS MW-35A/35B/35C

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

HYDROGEOLOGIC ZONES:

PERCHED	AB	C
OTHER	B	D
A	BC	

- 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
- 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
- NA — NOT ANALAYZED
- NS — NOT SAMPLED

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 2020	0.81	< 0.50	0.25
Aug 2020	1.1	< 0.50	0.24
Nov 2020	0.99	< 0.50	< 0.20
Feb 2021	0.66	< 0.50	< 0.20

MW-34A (A)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	< 0.20

MW-34B (B)

Date	1,1-DCE	TCE	DIOX
May 2020	67	0.12 J	8.5
Aug 2020	54	0.21 J	13
Nov 2020	68	0.22 J	29
Feb 2021	80	< 0.50	25

MW-34C(BC)

Date	1,1-DCE	TCE	DIOX
Aug 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-37 (D)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	< 0.20

MW-38 (A)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	< 0.20

MW-09 (C)

Date	1,1-DCE	TCE	DIOX
Aug 2020	0.41 J	< 0.50	< 0.20
Feb 2021	0.35 J	< 0.50	< 0.20

MW-08 (BC)

Date	1,1-DCE	TCE	DIOX
May 2020	21	47	1.3
Aug 2020	23	56	2.1
Nov 2020	27	55	1.9
Feb 2021	19	42	2.6

MW-29 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	130	1.2	91
Aug 2020	140	1.4	78
Nov 2020	170	2.0	100
Feb 2021	160	1.9	120

MW-15 (AB)

Date	1,1-DCE	TCE	DIOX
Aug 2020	< 0.50	3.2	NA
Feb 2021	0.42 J	3.7	NA

EW-02 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	13	< 0.50	7.5
Aug 2020	14	< 0.50	8.4
Nov 2020	17	< 0.50	8.6
Feb 2021	12	< 0.50	21

MW-30A (B)

Date	1,1-DCE	TCE	DIOX
May 2020	0.14 J	< 0.50	< 0.20
Aug 2020	< 0.50	0.36 J	< 0.20
Nov 2020	< 0.50	0.66	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-30B (BC)

Date	1,1-DCE	TCE	DIOX
May 2020	28	100	0.37
Aug 2020	20	92	0.38
Nov 2020	24	100	0.43
Feb 2021	21	95	< 0.20

MW-28 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	0.37 J	< 0.50	< 0.20
Aug 2020	0.38 J	< 0.50	< 0.20
Nov 2020	0.83	< 0.50	< 0.20
Feb 2021	0.56	< 0.50	< 0.20

MW-20 (D)

Date	1,1-DCE	TCE	DIOX
Aug 2020	0.93	< 0.50	< 0.20
Feb 2021	<0.50	< 0.50	< 0.20

MW-06 (D)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	NA

P-09 (PERCHED)

Date	1,1-DCE	TCE	DIOX
Feb 2021	6.3	< 0.50	< 0.20

SEE DETAIL BELOW

MW-32A (AB)

Date	1,1-DCE	TCE	DIOX
Aug 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-32B (B)

Date	1,1-DCE	TCE	DIOX
May 2020	58	14	2.1
Aug 2020	52	13	1.7
Nov 2020	76	18	1.6
Feb 2021	77	18	2.5

MW-32C (C)

Date	1,1-DCE	TCE	DIOX
Aug 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-26C (B)

Date	1,1-DCE	TCE	DIOX
May 2020	< 0.50	< 0.50	< 0.20
Aug 2020	< 0.50	< 0.50	< 0.20
Nov 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-31 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	38	3.8	2.1
Aug 2020	150	6.7	6.6
Nov 2020	350	13	15
Feb 2021	60	6.2	6.3

MW-27 (B)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	< 0.20

MW-13 (AB)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	< 0.20

MW-35C (B)

Date	1,1-DCE	TCE	DIOX
May 2020	< 0.50	< 0.50	< 0.20
Aug 2020	< 0.50	< 0.50	< 0.20
Nov 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-16 (B)

Date	1,1-DCE	TCE	DIOX
Aug 2020	590	3.5	62
Feb 2021	990 E	5.8	35 E

MW-24 (C)

Date	1,1-DCE	TCE	DIOX
Feb 2021	< 0.50	< 0.50	< 0.20

MW-21 (BC)

Date	1,1-DCE	TCE	DIOX
May 2020	830	15	740
Aug 2020	1,600	14	700
Nov 2020	930	14	600
Feb 2021	1,500	15	610

EW-01 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	15	< 0.50	11
Aug 2020	25	< 0.50	18
Nov 2020	86	0.46 J	46
Feb 2021	72	< 0.50	47

MW-18 (A)

Date	1,1-DCE	TCE	DIOX
Aug 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-40 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	< 0.50	< 0.50	< 0.20
Aug 2020	< 0.50	< 0.50	< 0.20
Nov 2020	< 0.50	< 0.50	< 0.20
Feb 2021	0.29 J	< 0.50	0.61

MW-39 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	< 0.50	< 0.50	< 0.20
Aug 2020	< 0.50	< 0.50	< 0.20
Nov 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	0.50	< 0.20

MW-36 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	97	0.15 J	9.5
Aug 2020	60	0.26 J	8.2
Nov 2020	72	< 0.50	6.4
Feb 2021	80	< 0.50	10

MW-33 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	3.2	0.51	0.11J
Aug 2020	3.3	0.40 J	< 0.2
Nov 2020	4.6	0.42 J	< 0.2

MW-43 (B)

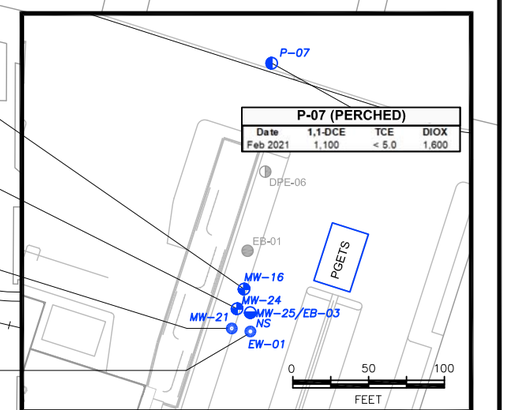
Date	1,1-DCE	TCE	DIOX
May 2020	< 0.50	< 0.50	< 0.20
Aug 2020	< 0.50	< 0.50	< 0.20
Nov 2020	< 0.50	< 0.50	< 0.20
Feb 2021	< 0.50	< 0.50	< 0.20

MW-42 (B)

Date	1,1-DCE	TCE	DIOX
May 2020	36	< 0.50	1.5
Aug 2020	31	< 0.50	1.4
Nov 2020	32	< 0.50	0.83
Feb 2021	35	< 0.50	1.9

P-07 (PERCHED)

Date	1,1-DCE	TCE	DIOX
Feb 2021	1,100	< 5.0	1,600



CITY OF FULLERTON WELL NO. 9

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

Jul 01, 2022 – 1:32pm ESS – T:\2021\500-599\532 Raytheon\Hydro\Water Qual\210-5242.dwg

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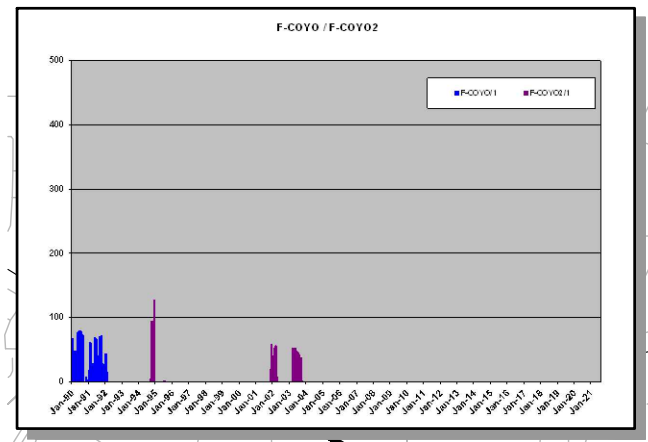
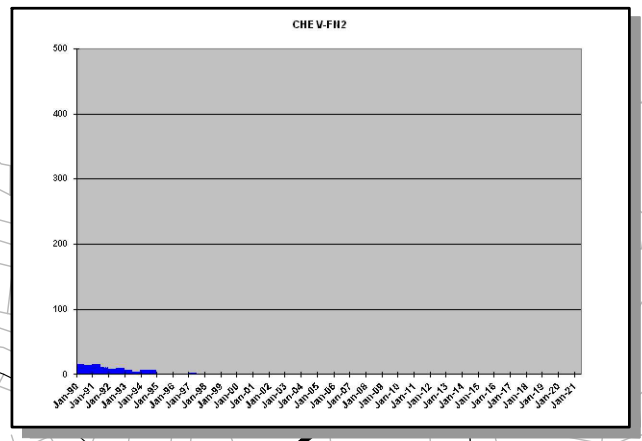
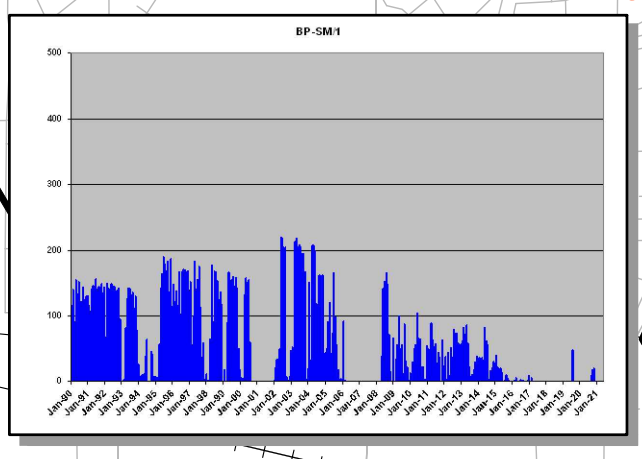
Hydrogeology/Engineering

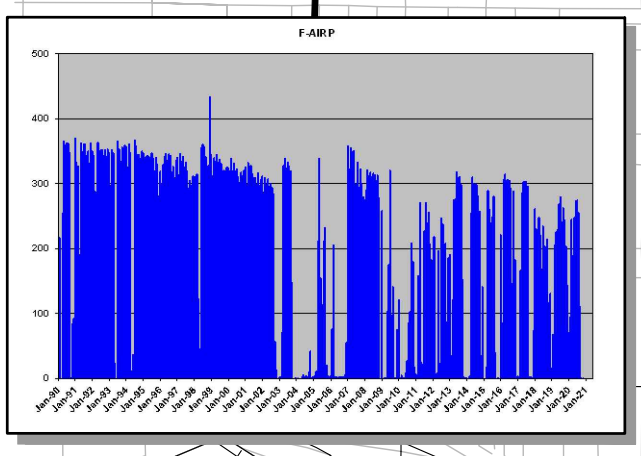
04/21 | RPT NO. 532.31 | 210-5242 | A

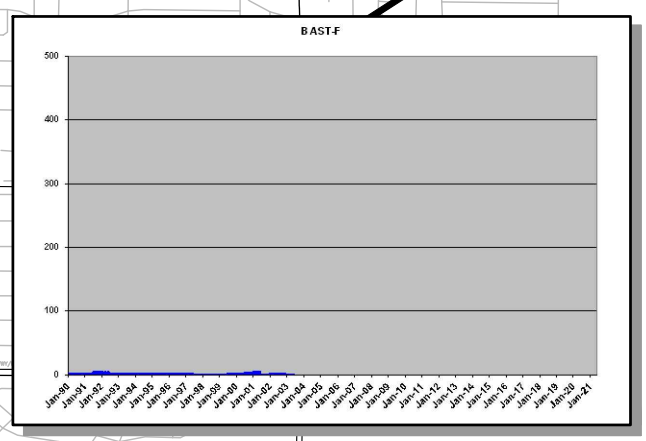
FIGURE 21.
1,1-DICHLOROETHYLENE, TRICHLOROETHYLENE, AND 1,4-DIOXANE IN THE REGIONAL GROUNDWATER SYSTEM MAY 2020 THROUGH FEBRUARY 2021

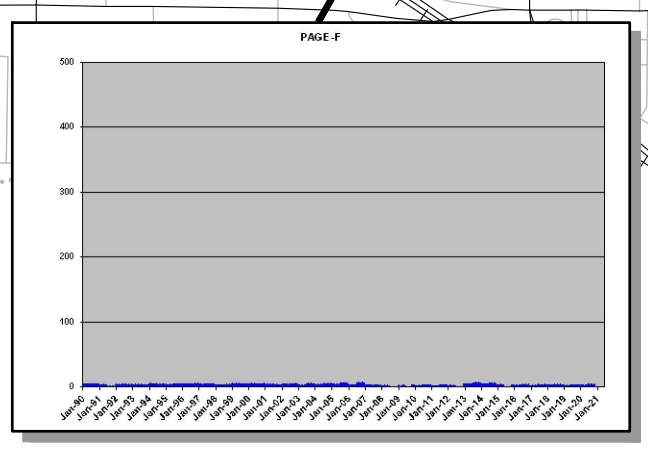


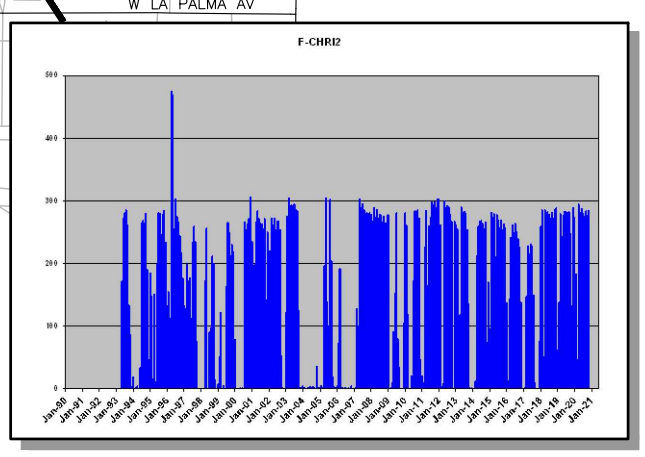












ROSECRANS AV

F-COYO/
F-COYO2

CHEV-FN2

PIONEER AV

BP-SM

N GILBERT ST

FORMER
RAYTHEON
COMPANY SITE

PARKS RD

W BASTANCHURY RD

W VALLEY VIEW DR

W MALVERN AV

N EUCLID ST

W CHAPMAN AV

ARTESIA AV

F-AIRP

OCWD-AIR1

N GILBERT ST

W COMMONWEALTH AV

S RICHMAN 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 05, 2021 - 1:50pm ESS - T:\2021\500-599\532 Raytheon\Hydro\Water Lvl\220-2550.dwg

04/21	RPT NO. 532.31	220-2550	A

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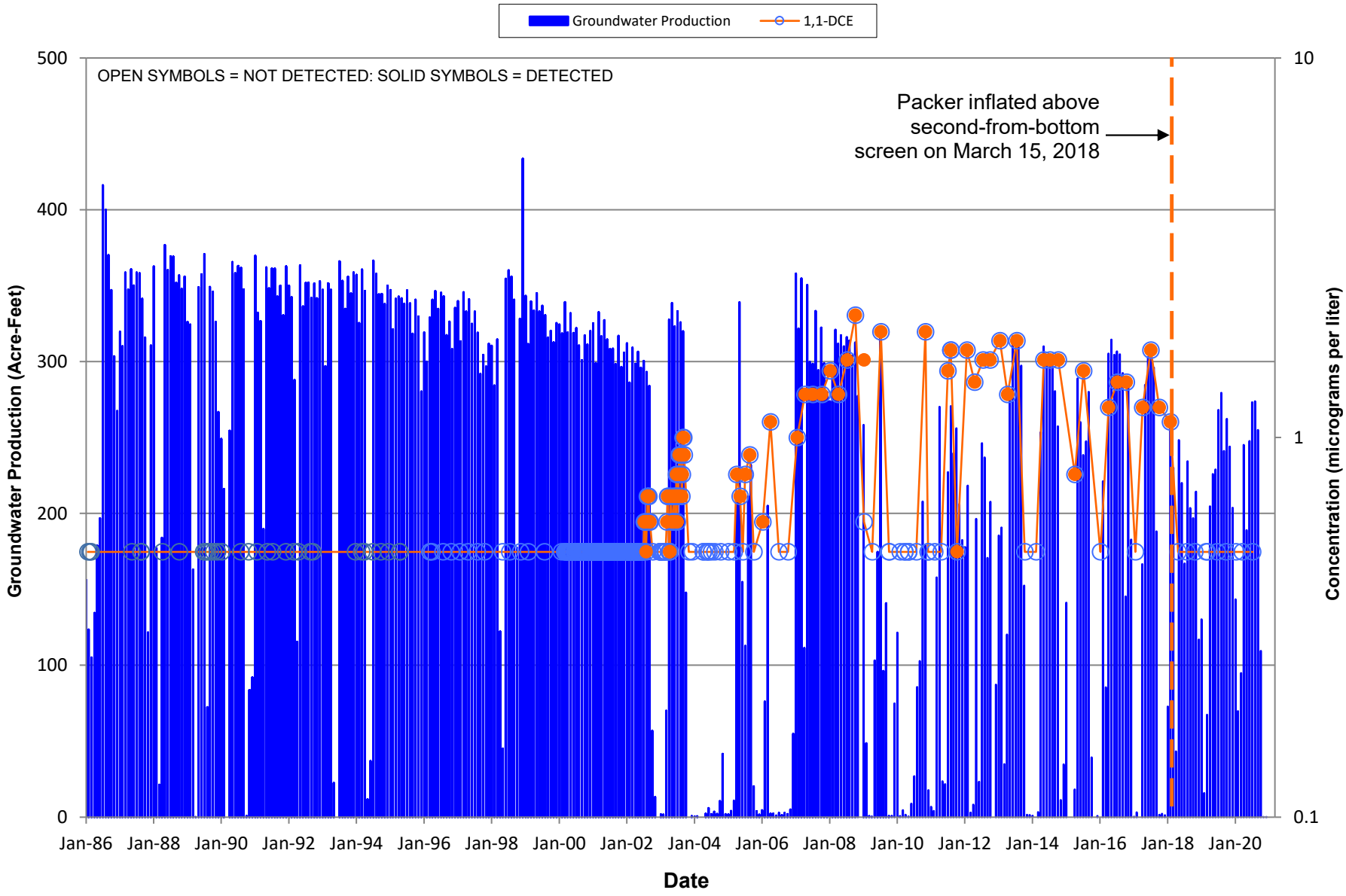
FIGURE 22.
REGIONAL PRODUCTION WELLS

FIGURE 23.
F-AIRP WELL PRODUCTION AND 1,1-DICHLOROETHYLENE CONCENTRATIONS



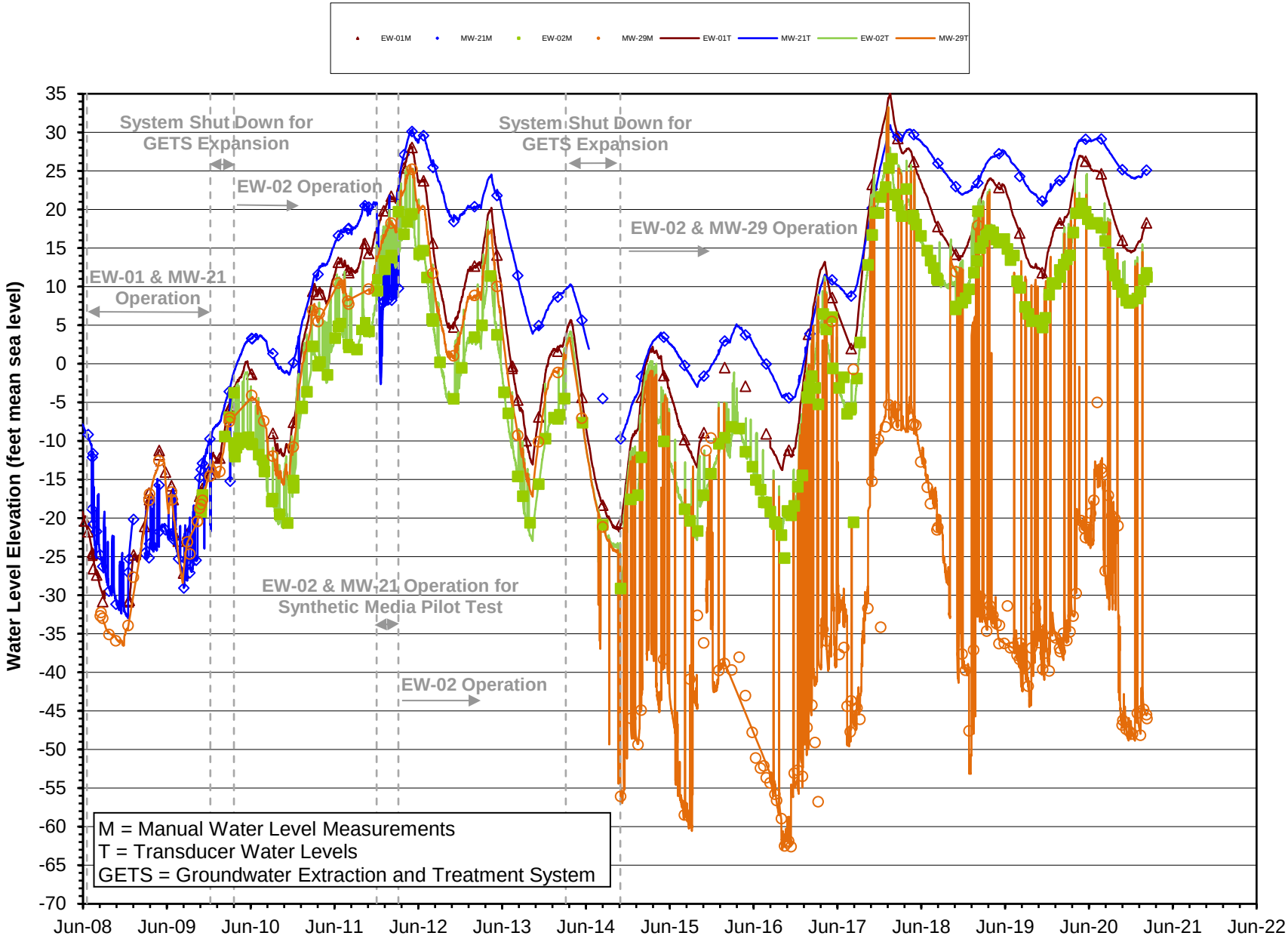


FIGURE 24.
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM OPERATION AND EXTRACTION WELL WATER LEVELS

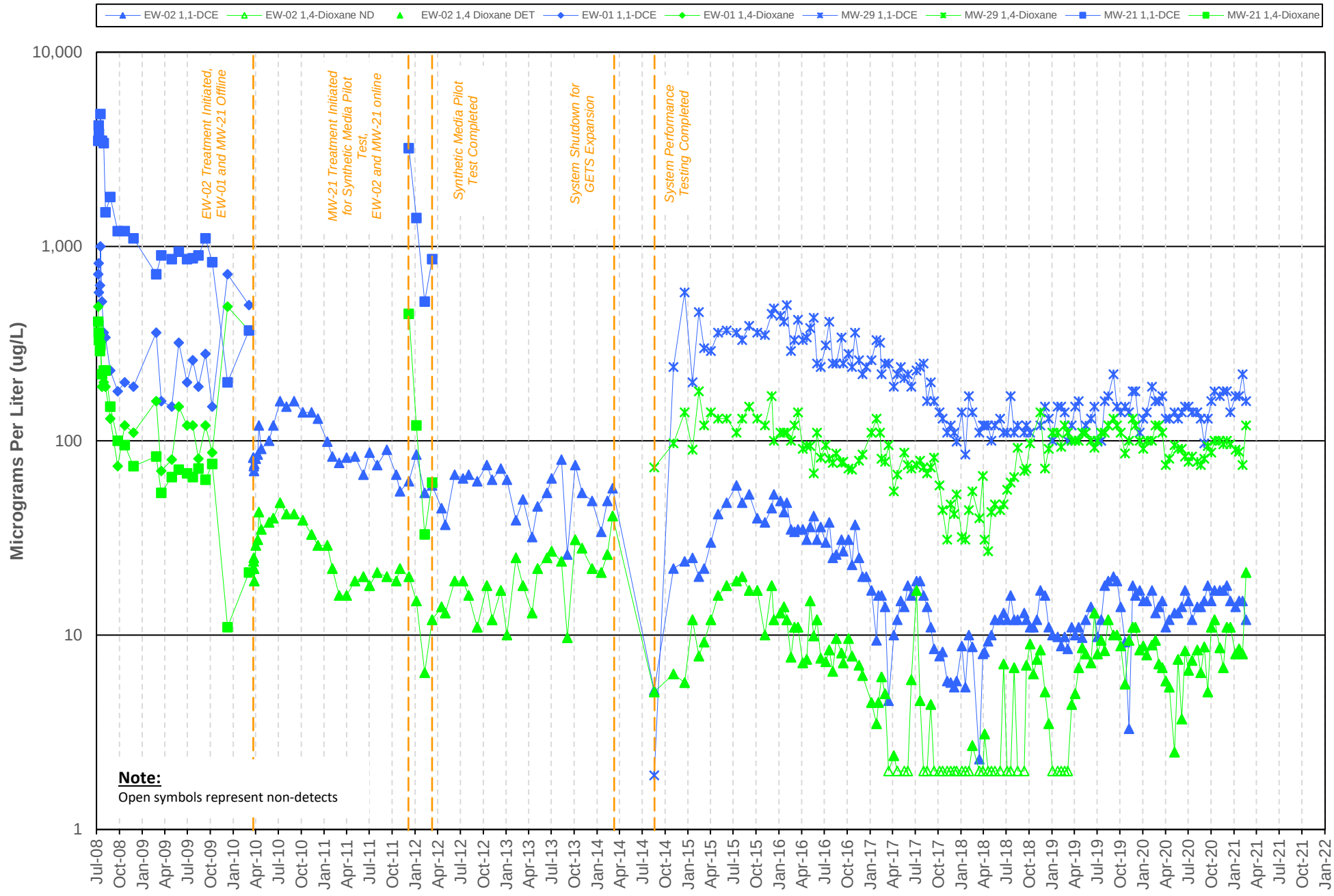


FIGURE 25.
1,1-DICHLOROETHYLENE AND 1,4-DIOXANE CONCENTRATIONS IN EXTRACTION WELLS

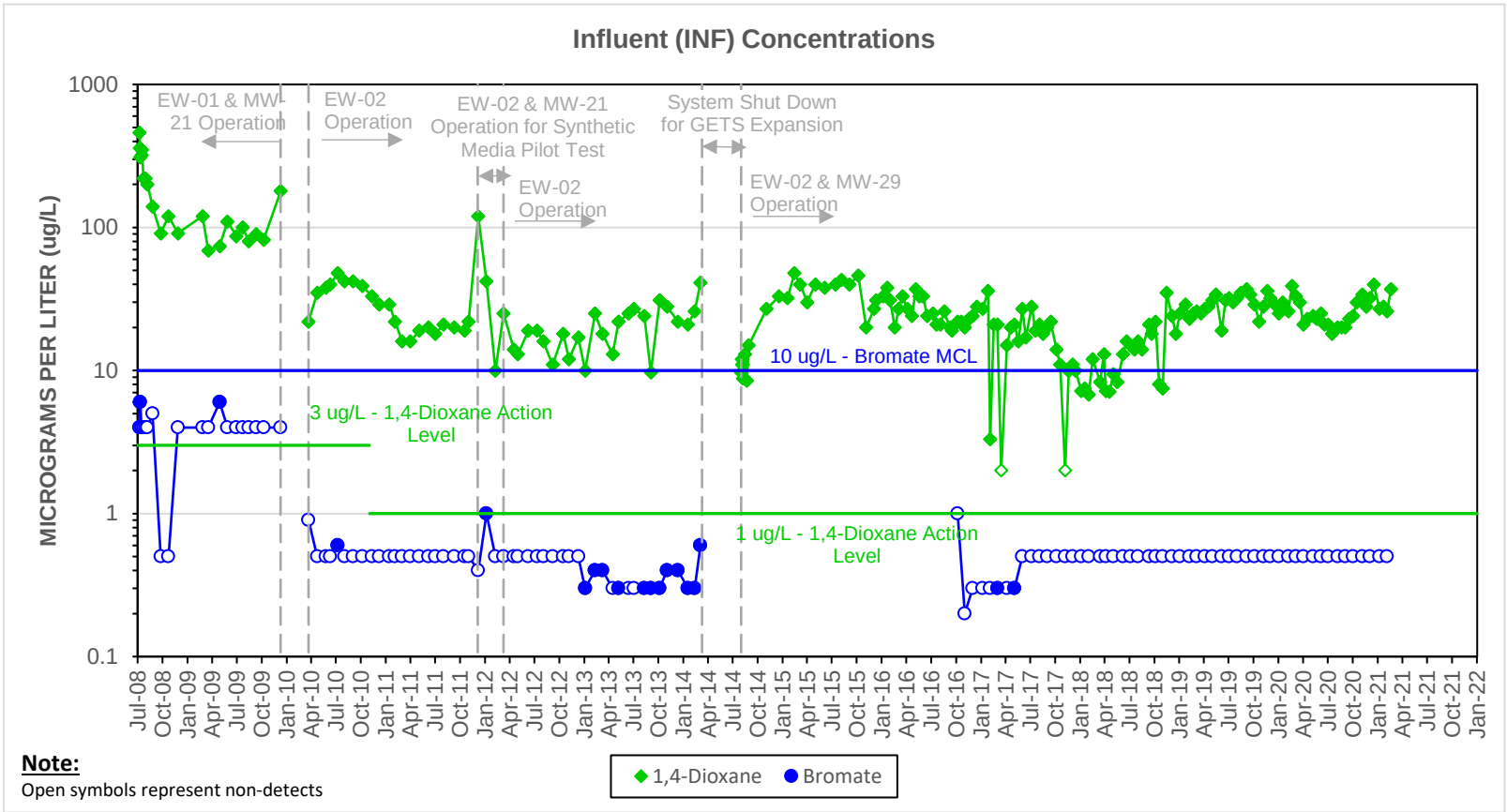


FIGURE 26.
1,4-DIOXANE AND BROMATE IN INFLUENT AND POST-OXIDATION SAMPLES

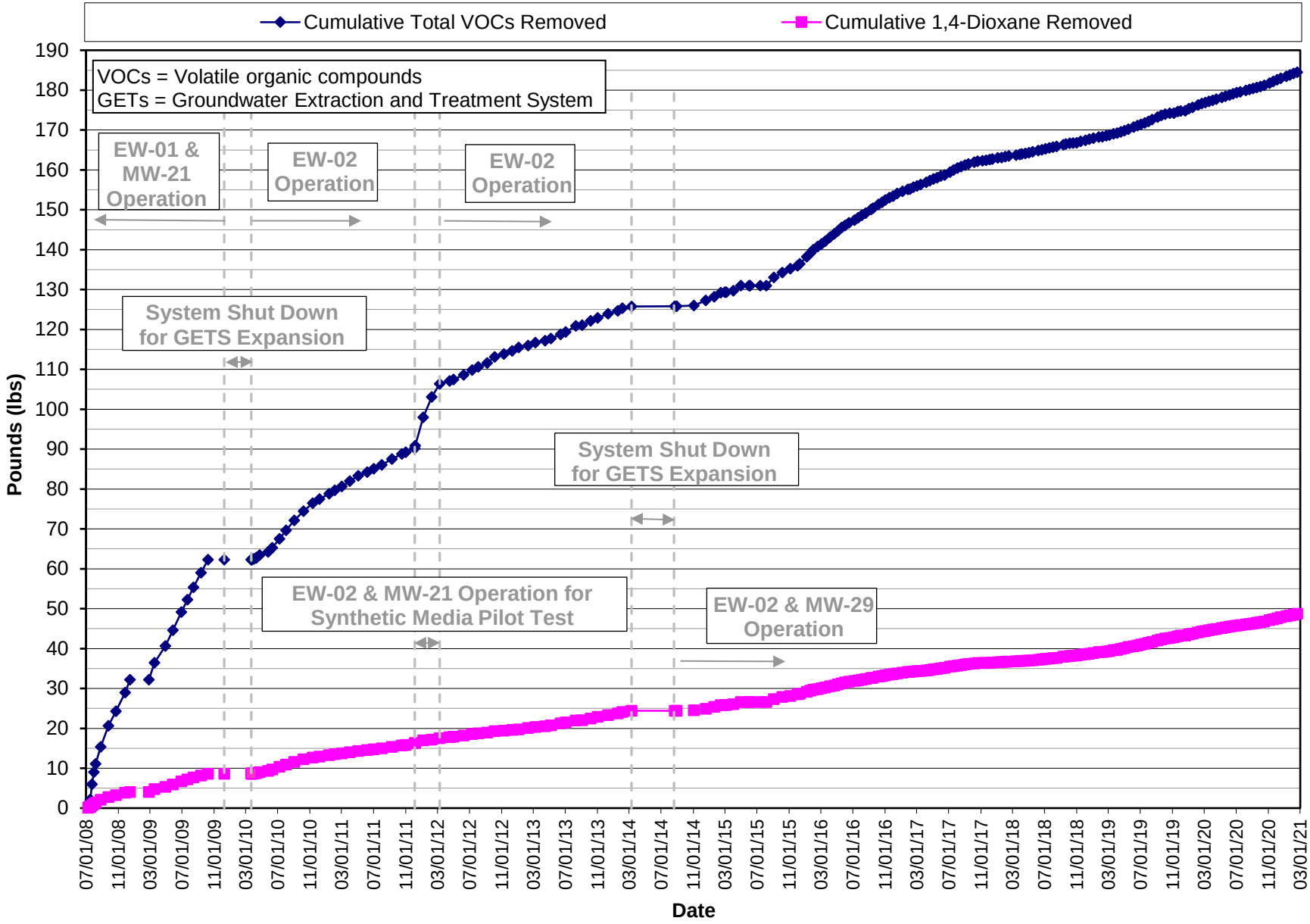


FIGURE 27.
PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM MASS REMOVAL

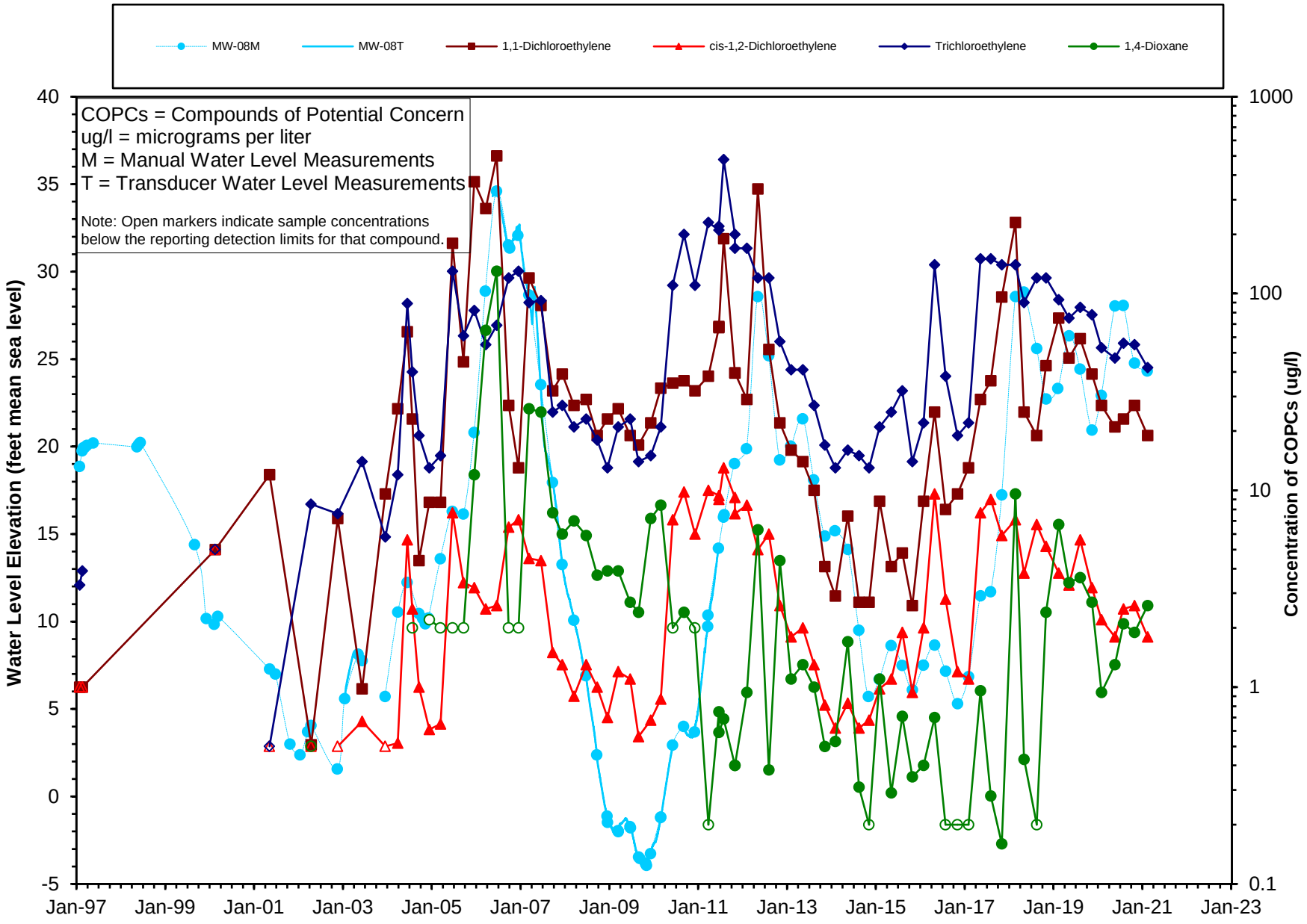
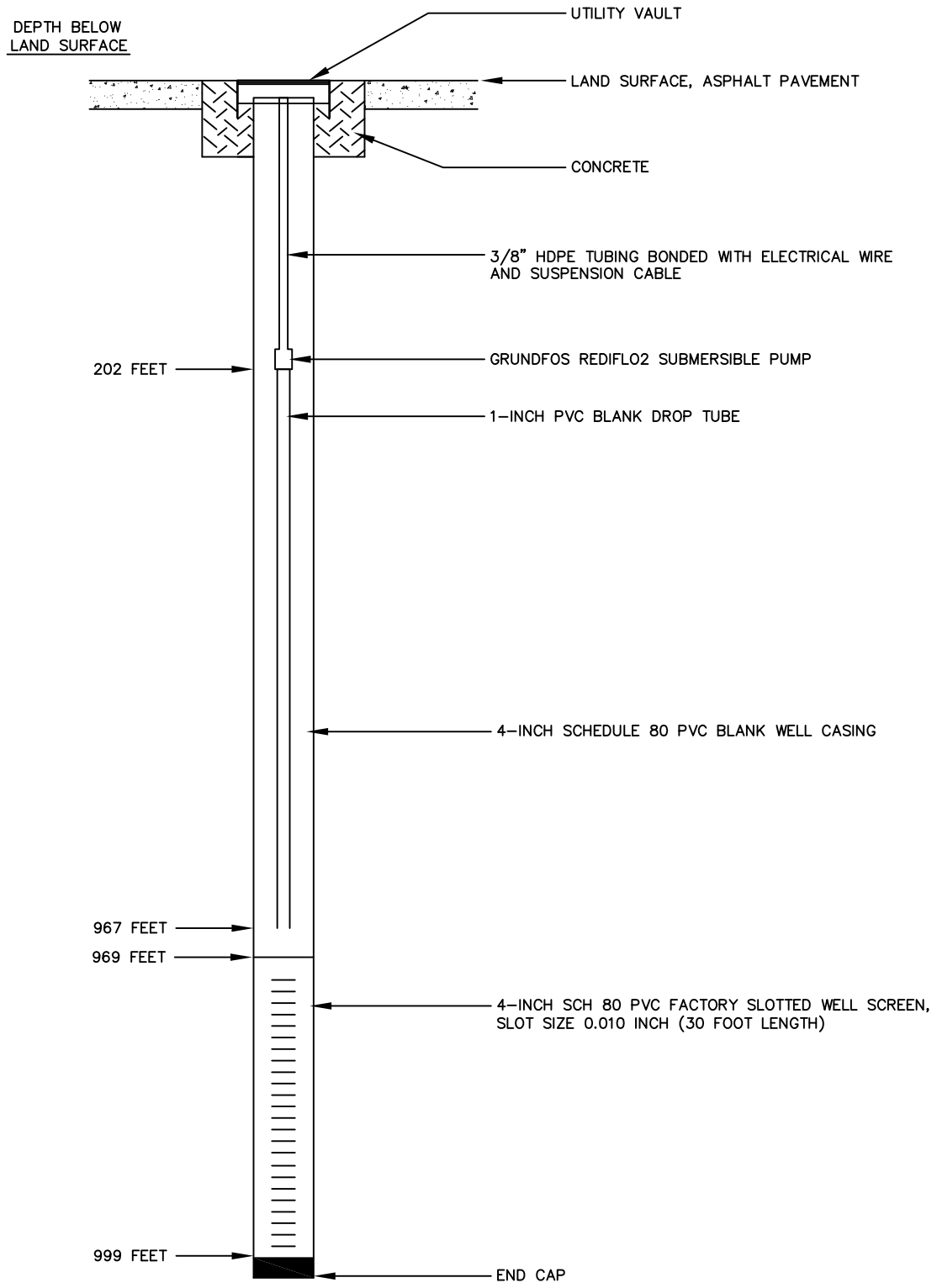


FIGURE 28. WATER LEVEL AND WATER QUALITY, MONITOR WELL MW-08



NOT TO SCALE

Mar 23, 2020 - 4:06pm ESS - T:\2020\500-599\532 Raytheon\Hydrogeology\Well Diag\710-0945.dwg

HARGIS + ASSOCIATES, INC.
Hydrogeology/Engineering

3/20	RPT NO. 532.31	710-0945	A

FIGURE 29.
SUBMERSIBLE PUMP DROP TUBE ASSEMBLY DIAGRAM

APPENDIX A

LABORATORY ANALYTICAL REPORT

GROUNDWATER ANALYTICAL RESULTS

ADVANCED TECHNOLOGY LABORATORIES

February 25, 2021

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 : 2100374
Client Reference : Raytheon Main, 532.30

Enclosed are the results for sample(s) received on February 17, 2021 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,

Edgar P. Caballero
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 :	02/25/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-021721A	2100374-01	Water	2/17/21 8:30	2/17/21 16:50
MW-27	2100374-02	Groundwater	2/17/21 8:46	2/17/21 16:50
MW-28	2100374-03	Groundwater	2/17/21 9:19	2/17/21 16:50
MW-24	2100374-04	Groundwater	2/17/21 10:44	2/17/21 16:50
MW-38	2100374-05	Groundwater	2/17/21 12:39	2/17/21 16:50
MW-41	2100374-06	Groundwater	2/17/21 13:21	2/17/21 16:50
MW-4100	2100374-07	Groundwater	2/17/21 13:23	2/17/21 16:50
P-07	2100374-08	Groundwater	2/17/21 13:30	2/17/21 16:50
MW-34A	2100374-09	Groundwater	2/17/21 15:17	2/17/21 16:50
MW-30A	2100374-10	Groundwater	2/17/21 14:54	2/17/21 16:50
MW-30B	2100374-11	Groundwater	2/17/21 15:26	2/17/21 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 : 02/25/2021

Client Sample ID: TB-021721A

Lab ID: 2100374-01

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 12:48	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 12:48	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 12:48	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 12:48	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 12:48	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 12:48	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 12:48	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 12:48	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 12:48	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 12:48	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 12:48	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 12:48	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 12:48	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 12:48	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 12:48	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 12:48	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 12:48	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 12:48	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 12:48	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 12:48	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 12:48	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 12:48	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 12:48	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 12:48	

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 :	02/25/2021

Client Sample ID: TB-021721A

Lab ID: 2100374-01

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 12:48	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 12:48	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 12:48	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 12:48	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 12:48	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 12:48	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 12:48	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 12:48	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 12:48	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 12:48	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 12:48	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 12:48	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 12:48	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 12:48	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 12:48	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 12:48	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 12:48	
Surrogate: 1,2-Dichloroethane-d4	*86.8 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 12:48*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 12:48*	
Surrogate: Dibromofluoromethane	*94.2 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 12:48*	
Surrogate: Toluene-d8	*101 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 12:48*	

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 : 02/25/2021

Client Sample ID: MW-27

Lab ID: 2100374-02

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 13:13	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 13:13	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 13:13	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 13:13	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:13	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 13:13	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 13:13	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 13:13	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 13:13	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 13:13	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 13:13	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:13	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 13:13	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:13	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 13:13	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 13:13	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 13:13	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 13:13	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:13	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 13:13	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:13	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 13:13	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 13:13	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 13:13	

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 :	02/25/2021

Client Sample ID: MW-27

Lab ID: 2100374-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 13:13	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 13:13	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 13:13	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:13	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 13:13	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 13:13	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:13	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:13	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 13:13	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:13	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:13	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:13	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 13:13	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:13	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:13	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 13:13	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:13	
Surrogate: 1,2-Dichloroethane-d4	*87.5 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 13:13*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 13:13*	
Surrogate: Dibromofluoromethane	*95.0 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 13:13*	
Surrogate: Toluene-d8	*103 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 13:13*	

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 :	02/25/2021

Client Sample ID: MW-27

Lab ID: 2100374-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/24/21 00:04	
Surrogate: 1,2-Dichlorobenzene-d4	*58.7 %*		*13 - 99*		B1B0411	02/22/2021	*02/24/21 00:04*	
Surrogate: 2-Fluorobiphenyl	*89.6 %*		*8 - 111*		B1B0411	02/22/2021	*02/24/21 00:04*	
Surrogate: 4-Terphenyl-d14	*67.8 %*		*12 - 113*		B1B0411	02/22/2021	*02/24/21 00:04*	
Surrogate: Nitrobenzene-d5	*48.4 %*		*15 - 121*		B1B0411	02/22/2021	*02/24/21 00:04*	

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 : 02/25/2021

Client Sample ID: MW-28

Lab ID: 2100374-03

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 13:38	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 13:38	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 13:38	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 13:38	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:38	
1,1-Dichloroethene	**0.56**	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 13:38	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 13:38	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 13:38	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 13:38	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 13:38	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 13:38	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:38	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 13:38	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:38	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 13:38	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 13:38	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 13:38	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 13:38	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:38	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 13:38	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:38	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 13:38	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 13:38	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 13:38	

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 :	02/25/2021

Client Sample ID: MW-28

Lab ID: 2100374-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 13:38	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 13:38	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 13:38	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:38	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 13:38	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 13:38	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 13:38	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:38	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 13:38	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:38	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:38	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:38	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 13:38	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 13:38	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 13:38	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 13:38	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 13:38	
Surrogate: 1,2-Dichloroethane-d4	*83.6 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 13:38*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 13:38*	
Surrogate: Dibromofluoromethane	*91.5 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 13:38*	
Surrogate: Toluene-d8	*99.8 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 13:38*	

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 :	02/25/2021

Client Sample ID: MW-28

Lab ID: 2100374-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 15:48	
Surrogate: 1,2-Dichlorobenzene-d4	*61.0 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 15:48*	
Surrogate: 2-Fluorobiphenyl	*87.8 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 15:48*	
Surrogate: 4-Terphenyl-d14	*67.9 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 15:48*	
Surrogate: Nitrobenzene-d5	*47.5 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 15:48*	

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 : 02/25/2021

Client Sample ID: MW-24

Lab ID: 2100374-04

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 14:03	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:03	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 14:03	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 14:03	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:03	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:03	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:03	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:03	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:03	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 14:03	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 14:03	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:03	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:03	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:03	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:03	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:03	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:03	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 14:03	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:03	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:03	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:03	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:03	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:03	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:03	

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 : 02/25/2021

Client Sample ID: MW-24

Lab ID: 2100374-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 14:03	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 14:03	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:03	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:03	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 14:03	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 14:03	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:03	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:03	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 14:03	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:03	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:03	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:03	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:03	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:03	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:03	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 14:03	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:03	
Surrogate: 1,2-Dichloroethane-d4	*84.2 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 14:03*	
Surrogate: 4-Bromofluorobenzene	*99.1 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 14:03*	
Surrogate: Dibromofluoromethane	*89.4 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 14:03*	
Surrogate: Toluene-d8	*98.8 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 14:03*	

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 :	02/25/2021

Client Sample ID: MW-24

Lab ID: 2100374-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 16:15	
Surrogate: 1,2-Dichlorobenzene-d4	*57.2 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 16:15*	
Surrogate: 2-Fluorobiphenyl	*89.9 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 16:15*	
Surrogate: 4-Terphenyl-d14	*73.6 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 16:15*	
Surrogate: Nitrobenzene-d5	*50.9 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 16:15*	

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 : 02/25/2021

Client Sample ID: MW-38

Lab ID: 2100374-05

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 14:28	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:28	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 14:28	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 14:28	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:28	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:28	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:28	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:28	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:28	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 14:28	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 14:28	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:28	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:28	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:28	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:28	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:28	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:28	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 14:28	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:28	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:28	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:28	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:28	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:28	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:28	

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 : 02/25/2021

Client Sample ID: MW-38

Lab ID: 2100374-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 14:28	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 14:28	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:28	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:28	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 14:28	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 14:28	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:28	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:28	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 14:28	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:28	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:28	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:28	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:28	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:28	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:28	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 14:28	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:28	
Surrogate: 1,2-Dichloroethane-d4	*82.5 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 14:28*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 14:28*	
Surrogate: Dibromofluoromethane	*88.6 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 14:28*	
Surrogate: Toluene-d8	*97.2 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 14:28*	

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 :	02/25/2021

Client Sample ID: MW-38

Lab ID: 2100374-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 16:41	
Surrogate: 1,2-Dichlorobenzene-d4	*57.1 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 16:41*	
Surrogate: 2-Fluorobiphenyl	*88.1 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 16:41*	
Surrogate: 4-Terphenyl-d14	*71.7 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 16:41*	
Surrogate: Nitrobenzene-d5	*46.8 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 16:41*	

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 : 02/25/2021

Client Sample ID: MW-41

Lab ID: 2100374-06

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 14:52	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:52	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 14:52	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 14:52	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:52	
1,1-Dichloroethene	**0.66**	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:52	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:52	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:52	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:52	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 14:52	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 14:52	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:52	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:52	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:52	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 14:52	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:52	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 14:52	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 14:52	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:52	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:52	
Chloroform	**0.42**	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:52	J
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:52	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 14:52	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 14:52	

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 :	02/25/2021

Client Sample ID: MW-41

Lab ID: 2100374-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 14:52	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 14:52	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 14:52	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:52	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 14:52	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 14:52	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 14:52	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:52	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 14:52	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:52	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:52	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:52	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 14:52	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 14:52	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 14:52	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 14:52	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 14:52	
Surrogate: 1,2-Dichloroethane-d4	*84.1 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 14:52*	
Surrogate: 4-Bromofluorobenzene	*98.1 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 14:52*	
Surrogate: Dibromofluoromethane	*92.0 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 14:52*	
Surrogate: Toluene-d8	*99.2 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 14:52*	

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 :	02/25/2021

Client Sample ID: MW-41

Lab ID: 2100374-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 17:07	
Surrogate: 1,2-Dichlorobenzene-d4	*54.9 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 17:07*	
Surrogate: 2-Fluorobiphenyl	*79.2 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 17:07*	
Surrogate: 4-Terphenyl-d14	*62.6 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 17:07*	
Surrogate: Nitrobenzene-d5	*40.9 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 17:07*	

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 :	02/25/2021

Client Sample ID: MW-4100

Lab ID: 2100374-07

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 15:17	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 15:17	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 15:17	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 15:17	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:17	
1,1-Dichloroethene	**0.79**	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 15:17	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 15:17	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 15:17	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 15:17	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 15:17	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 15:17	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:17	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 15:17	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:17	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 15:17	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 15:17	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 15:17	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 15:17	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:17	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 15:17	
Chloroform	**0.39**	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:17	J
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 15:17	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 15:17	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 15:17	

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 :	02/25/2021

Client Sample ID: MW-4100

Lab ID: 2100374-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 15:17	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 15:17	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 15:17	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:17	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 15:17	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 15:17	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:17	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:17	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 15:17	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:17	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:17	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:17	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 15:17	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:17	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:17	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 15:17	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:17	
Surrogate: 1,2-Dichloroethane-d4	*86.2 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 15:17*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 15:17*	
Surrogate: Dibromofluoromethane	*93.0 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 15:17*	
Surrogate: Toluene-d8	*99.1 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 15:17*	

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 :	02/25/2021

Client Sample ID: MW-4100

Lab ID: 2100374-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 17:34	
Surrogate: 1,2-Dichlorobenzene-d4	*54.6 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 17:34*	
Surrogate: 2-Fluorobiphenyl	*81.6 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 17:34*	
Surrogate: 4-Terphenyl-d14	*65.7 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 17:34*	
Surrogate: Nitrobenzene-d5	*44.4 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 17:34*	

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 : 02/25/2021

Client Sample ID: P-07

Lab ID: 2100374-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	1.1	10	B1B0341	02/18/2021	02/18/21 17:32	
1,1,1-Trichloroethane	ND	5.0	2.1	10	B1B0341	02/18/2021	02/18/21 17:32	
1,1,2,2-Tetrachloroethane	ND	5.0	3.6	10	B1B0341	02/18/2021	02/18/21 17:32	
1,1,2-Trichloroethane	ND	5.0	2.5	10	B1B0341	02/18/2021	02/18/21 17:32	
1,1-Dichloroethane	**12**	5.0	0.92	10	B1B0341	02/18/2021	02/18/21 17:32	
1,1-Dichloroethene	**1100**	50	13	100	B1B0341	02/18/2021	02/18/21 17:07	
1,1-Dichloropropene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2,3-Trichloropropane	ND	5.0	3.9	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2,3-Trichlorobenzene	ND	5.0	1.8	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2,4-Trichlorobenzene	ND	5.0	1.6	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2,4-Trimethylbenzene	**2.1**	5.0	1.4	10	B1B0341	02/18/2021	02/18/21 17:32	J
1,2-Dibromo-3-chloropropane	ND	5.0	4.1	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2-Dibromoethane	ND	5.0	2.4	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2-Dichlorobenzene	ND	5.0	2.0	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2-Dichloroethane	ND	5.0	2.0	10	B1B0341	02/18/2021	02/18/21 17:32	
1,2-Dichloropropane	ND	5.0	1.5	10	B1B0341	02/18/2021	02/18/21 17:32	
1,3,5-Trimethylbenzene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
1,3-Dichlorobenzene	ND	5.0	1.6	10	B1B0341	02/18/2021	02/18/21 17:32	
1,3-Dichloropropane	ND	5.0	2.1	10	B1B0341	02/18/2021	02/18/21 17:32	
1,4-Dichlorobenzene	ND	5.0	1.7	10	B1B0341	02/18/2021	02/18/21 17:32	
2,2-Dichloropropane	ND	5.0	3.8	10	B1B0341	02/18/2021	02/18/21 17:32	
2-Chlorotoluene	ND	5.0	1.1	10	B1B0341	02/18/2021	02/18/21 17:32	
4-Chlorotoluene	ND	5.0	1.2	10	B1B0341	02/18/2021	02/18/21 17:32	
4-Isopropyltoluene	ND	5.0	1.1	10	B1B0341	02/18/2021	02/18/21 17:32	
Benzene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
Bromobenzene	ND	5.0	2.1	10	B1B0341	02/18/2021	02/18/21 17:32	
Bromodichloromethane	ND	5.0	1.4	10	B1B0341	02/18/2021	02/18/21 17:32	
Bromoform	ND	5.0	2.0	10	B1B0341	02/18/2021	02/18/21 17:32	
Bromomethane	ND	5.0	4.0	10	B1B0341	02/18/2021	02/18/21 17:32	
Carbon tetrachloride	ND	5.0	0.92	10	B1B0341	02/18/2021	02/18/21 17:32	
Chlorobenzene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
Chloroethane	ND	5.0	1.5	10	B1B0341	02/18/2021	02/18/21 17:32	
Chloroform	ND	5.0	1.1	10	B1B0341	02/18/2021	02/18/21 17:32	
Chloromethane	ND	5.0	1.2	10	B1B0341	02/18/2021	02/18/21 17:32	
cis-1,2-Dichloroethene	ND	5.0	1.4	10	B1B0341	02/18/2021	02/18/21 17:32	
cis-1,3-Dichloropropene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
Dibromochloromethane	ND	5.0	1.6	10	B1B0341	02/18/2021	02/18/21 17:32	

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 : 02/25/2021

Client Sample ID: P-07

Lab ID: 2100374-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	5.0	1.9	10	B1B0341	02/18/2021	02/18/21 17:32	
Dichlorodifluoromethane	ND	5.0	1.8	10	B1B0341	02/18/2021	02/18/21 17:32	
Ethylbenzene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
Hexachlorobutadiene	ND	5.0	1.5	10	B1B0341	02/18/2021	02/18/21 17:32	
Isopropylbenzene	ND	5.0	1.0	10	B1B0341	02/18/2021	02/18/21 17:32	
m,p-Xylene	ND	10	1.9	10	B1B0341	02/18/2021	02/18/21 17:32	
Methylene chloride	ND	10	7.1	10	B1B0341	02/18/2021	02/18/21 17:32	
n-Butylbenzene	ND	5.0	1.1	10	B1B0341	02/18/2021	02/18/21 17:32	
n-Propylbenzene	ND	5.0	1.0	10	B1B0341	02/18/2021	02/18/21 17:32	
Naphthalene	ND	5.0	4.1	10	B1B0341	02/18/2021	02/18/21 17:32	
o-Xylene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
sec-Butylbenzene	ND	5.0	0.90	10	B1B0341	02/18/2021	02/18/21 17:32	
Styrene	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
tert-Butylbenzene	ND	5.0	0.90	10	B1B0341	02/18/2021	02/18/21 17:32	
Tetrachloroethene	**4.3**	5.0	1.0	10	B1B0341	02/18/2021	02/18/21 17:32	J
Toluene	ND	5.0	1.2	10	B1B0341	02/18/2021	02/18/21 17:32	
trans-1,2-Dichloroethene	ND	5.0	0.92	10	B1B0341	02/18/2021	02/18/21 17:32	
Trichloroethene	ND	5.0	0.99	10	B1B0341	02/18/2021	02/18/21 17:32	
Trichlorofluoromethane	**3.2**	5.0	2.3	10	B1B0341	02/18/2021	02/18/21 17:32	J
Vinyl chloride	ND	5.0	1.3	10	B1B0341	02/18/2021	02/18/21 17:32	
Surrogate: 1,2-Dichloroethane-d4	*82.8 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 17:07*	
Surrogate: 1,2-Dichloroethane-d4	*84.8 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 17:32*	
Surrogate: 4-Bromofluorobenzene	*98.8 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 17:32*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 17:07*	
Surrogate: Dibromofluoromethane	*90.5 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 17:07*	
Surrogate: Dibromofluoromethane	*90.6 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 17:32*	
Surrogate: Toluene-d8	*97.6 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 17:32*	
Surrogate: Toluene-d8	*99.4 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 17:07*	

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 :	02/25/2021

Client Sample ID: P-07

Lab ID: 2100374-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**1600**	2.0	0.84	1	B1B0393	02/19/2021	02/24/21 01:53	
Surrogate: 1,2-Dichlorobenzene-d4	*60.1 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 01:53*	
Surrogate: 2-Fluorobiphenyl	*70.6 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 01:53*	
Surrogate: 4-Terphenyl-d14	*70.4 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 01:53*	
Surrogate: Nitrobenzene-d5	*69.5 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 01:53*	

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 : 02/25/2021

Client Sample ID: MW-34A

Lab ID: 2100374-09

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 15:42	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 15:42	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 15:42	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 15:42	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:42	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 15:42	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 15:42	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 15:42	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 15:42	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 15:42	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 15:42	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:42	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 15:42	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:42	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 15:42	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 15:42	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 15:42	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 15:42	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:42	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 15:42	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:42	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 15:42	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 15:42	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 15:42	

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 :	02/25/2021

Client Sample ID: MW-34A

Lab ID: 2100374-09

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 15:42	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 15:42	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 15:42	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:42	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 15:42	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 15:42	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 15:42	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:42	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 15:42	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:42	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:42	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:42	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 15:42	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 15:42	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 15:42	
Trichlorofluoromethane	**0.65**	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 15:42	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 15:42	
Surrogate: 1,2-Dichloroethane-d4	*85.7 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 15:42*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 15:42*	
Surrogate: Dibromofluoromethane	*90.7 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 15:42*	
Surrogate: Toluene-d8	*97.3 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 15:42*	

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 :	02/25/2021

Client Sample ID: MW-34A

Lab ID: 2100374-09

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 18:00	
Surrogate: 1,2-Dichlorobenzene-d4	*47.9 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 18:00*	
Surrogate: 2-Fluorobiphenyl	*70.5 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 18:00*	
Surrogate: 4-Terphenyl-d14	*63.8 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 18:00*	
Surrogate: Nitrobenzene-d5	*35.1 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 18:00*	

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 : 02/25/2021

Client Sample ID: MW-30A

Lab ID: 2100374-10

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 16:07	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 16:07	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 16:07	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 16:07	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:07	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 16:07	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 16:07	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 16:07	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 16:07	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 16:07	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 16:07	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:07	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 16:07	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:07	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 16:07	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 16:07	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 16:07	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 16:07	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:07	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 16:07	
Chloroform	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:07	
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 16:07	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 16:07	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 16:07	

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 :	02/25/2021

Client Sample ID: MW-30A

Lab ID: 2100374-10

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 16:07	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 16:07	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 16:07	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:07	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 16:07	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 16:07	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:07	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:07	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 16:07	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:07	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:07	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:07	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 16:07	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:07	
Trichloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:07	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 16:07	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:07	
Surrogate: 1,2-Dichloroethane-d4	*86.1 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 16:07*	
Surrogate: 4-Bromofluorobenzene	*97.4 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 16:07*	
Surrogate: Dibromofluoromethane	*91.0 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 16:07*	
Surrogate: Toluene-d8	*97.2 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 16:07*	

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 :	02/25/2021

Client Sample ID: MW-30A

Lab ID: 2100374-10

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 18:27	
Surrogate: 1,2-Dichlorobenzene-d4	*57.2 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 18:27*	
Surrogate: 2-Fluorobiphenyl	*91.5 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 18:27*	
Surrogate: 4-Terphenyl-d14	*79.8 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 18:27*	
Surrogate: Nitrobenzene-d5	*49.4 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 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 : 02/25/2021

Client Sample ID: MW-30B

Lab ID: 2100374-11

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

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	0.11	1	B1B0341	02/18/2021	02/18/21 16:32	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 16:32	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0341	02/18/2021	02/18/21 16:32	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0341	02/18/2021	02/18/21 16:32	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:32	
1,1-Dichloroethene	**21**	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 16:32	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 16:32	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 16:32	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 16:32	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0341	02/18/2021	02/18/21 16:32	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0341	02/18/2021	02/18/21 16:32	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:32	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 16:32	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:32	
Benzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
Bromobenzene	ND	0.50	0.21	1	B1B0341	02/18/2021	02/18/21 16:32	
Bromodichloromethane	ND	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 16:32	
Bromoform	ND	0.50	0.20	1	B1B0341	02/18/2021	02/18/21 16:32	
Bromomethane	ND	0.50	0.40	1	B1B0341	02/18/2021	02/18/21 16:32	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:32	
Chlorobenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
Chloroethane	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 16:32	
Chloroform	**0.19**	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:32	J
Chloromethane	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 16:32	
cis-1,2-Dichloroethene	**4.6**	0.50	0.14	1	B1B0341	02/18/2021	02/18/21 16:32	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
Dibromochloromethane	ND	0.50	0.16	1	B1B0341	02/18/2021	02/18/21 16:32	

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 :	02/25/2021

Client Sample ID: MW-30B

Lab ID: 2100374-11

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0341	02/18/2021	02/18/21 16:32	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0341	02/18/2021	02/18/21 16:32	
Ethylbenzene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0341	02/18/2021	02/18/21 16:32	
Isopropylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:32	
m,p-Xylene	ND	1.0	0.19	1	B1B0341	02/18/2021	02/18/21 16:32	
Methylene chloride	ND	1.0	0.71	1	B1B0341	02/18/2021	02/18/21 16:32	
n-Butylbenzene	ND	0.50	0.11	1	B1B0341	02/18/2021	02/18/21 16:32	
n-Propylbenzene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:32	
Naphthalene	ND	0.50	0.41	1	B1B0341	02/18/2021	02/18/21 16:32	
o-Xylene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:32	
Styrene	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:32	
Tetrachloroethene	ND	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:32	
Toluene	ND	0.50	0.12	1	B1B0341	02/18/2021	02/18/21 16:32	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0341	02/18/2021	02/18/21 16:32	
Trichloroethene	**95**	0.50	0.10	1	B1B0341	02/18/2021	02/18/21 16:32	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0341	02/18/2021	02/18/21 16:32	
Vinyl chloride	ND	0.50	0.13	1	B1B0341	02/18/2021	02/18/21 16:32	
Surrogate: 1,2-Dichloroethane-d4	*85.8 %*	*64 - 155*			B1B0341	02/18/2021	*02/18/21 16:32*	
Surrogate: 4-Bromofluorobenzene	*97.2 %*	*73 - 124*			B1B0341	02/18/2021	*02/18/21 16:32*	
Surrogate: Dibromofluoromethane	*90.0 %*	*78 - 129*			B1B0341	02/18/2021	*02/18/21 16:32*	
Surrogate: Toluene-d8	*95.6 %*	*84 - 117*			B1B0341	02/18/2021	*02/18/21 16:32*	

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 :	02/25/2021

Client Sample ID: MW-30B

Lab ID: 2100374-11

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 18:53	
Surrogate: 1,2-Dichlorobenzene-d4	*51.3 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 18:53*	
Surrogate: 2-Fluorobiphenyl	*81.4 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 18:53*	
Surrogate: 4-Terphenyl-d14	*72.6 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 18:53*	
Surrogate: Nitrobenzene-d5	*43.2 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 18:53*	

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 : 02/25/2021

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 B1B0341 - MSVOA_LL_W										
Blank (B1B0341-BLK1)							Prepared: 2/18/2021 Analyzed: 2/18/2021			
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

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 : 02/25/2021

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 B1B0341 - MSVOA_LL_W (continued)										
Blank (B1B0341-BLK1) - Continued					Prepared: 2/18/2021 Analyzed: 2/18/2021					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*21.67*			*25.0000*		*86.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.85*			*25.0000*		*99.4*	*73 - 124*			
Surrogate: Dibromofluoromethan	*22.54*			*25.0000*		*90.2*	*78 - 129*			
Surrogate: Toluene-d8	*24.78*			*25.0000*		*99.1*	*84 - 117*			
LCS (B1B0341-BS1)					Prepared: 2/18/2021 Analyzed: 2/18/2021					
1,1,1,2-Tetrachloroethane	21.3600	0.50	0.11	20.0000		107	79 - 116			
1,1,1-Trichloroethane	17.7700	0.50	0.21	20.0000		88.8	73 - 130			
1,1,2,2-Tetrachloroethane	20.7500	0.50	0.36	20.0000		104	71 - 122			
1,1,2-Trichloroethane	20.0400	0.50	0.25	20.0000		100	70 - 124			
1,1-Dichloroethane	17.4600	0.50	0.09	20.0000		87.3	69 - 128			
1,1-Dichloroethene	18.1600	0.50	0.13	20.0000		90.8	65 - 137			
1,1-Dichloropropene	19.9100	0.50	0.13	20.0000		99.6	74 - 129			
1,2,3-Trichloropropane	20.4100	0.50	0.39	20.0000		102	74 - 123			
1,2,3-Trichlorobenzene	21.0000	0.50	0.18	20.0000		105	59 - 130			
1,2,4-Trichlorobenzene	20.9500	0.50	0.16	20.0000		105	65 - 125			
1,2,4-Trimethylbenzene	20.0200	0.50	0.14	20.0000		100	88 - 124			
1,2-Dibromo-3-chloropropane	24.9200	0.50	0.41	20.0000		125	61 - 127			
1,2-Dibromoethane	21.0000	0.50	0.24	20.0000		105	72 - 125			
1,2-Dichlorobenzene	20.2400	0.50	0.20	20.0000		101	84 - 113			
1,2-Dichloroethane	18.8100	0.50	0.20	20.0000		94.0	68 - 130			
1,2-Dichloropropane	18.5900	0.50	0.15	20.0000		93.0	77 - 121			
1,3,5-Trimethylbenzene	19.7800	0.50	0.13	20.0000		98.9	83 - 124			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
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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 B1B0341 - MSVOA_LL_W (continued)										
LCS (B1B0341-BS1) - Continued					Prepared: 2/18/2021 Analyzed: 2/18/2021					
1,3-Dichlorobenzene	19.9400	0.50	0.16	20.0000		99.7	83 - 112			
1,3-Dichloropropane	20.9900	0.50	0.21	20.0000		105	77 - 119			
1,4-Dichlorobenzene	19.1400	0.50	0.17	20.0000		95.7	79 - 115			
2,2-Dichloropropane	19.5500	0.50	0.38	20.0000		97.8	67 - 149			
2-Chlorotoluene	19.4200	0.50	0.11	20.0000		97.1	81 - 119			
4-Chlorotoluene	19.3600	0.50	0.12	20.0000		96.8	86 - 117			
4-Isopropyltoluene	19.9100	0.50	0.11	20.0000		99.6	82 - 131			
Benzene	19.8500	0.50	0.13	20.0000		99.2	75 - 124			
Bromobenzene	20.0100	0.50	0.21	20.0000		100	82 - 108			
Bromodichloromethane	19.6200	0.50	0.14	20.0000		98.1	80 - 120			
Bromoform	25.5600	0.50	0.20	20.0000		128	70 - 123			L3
Bromomethane	20.4000	0.50	0.40	20.0000		102	44 - 151			
Carbon tetrachloride	19.5200	0.50	0.09	20.0000		97.6	62 - 140			
Chlorobenzene	19.4500	0.50	0.13	20.0000		97.2	80 - 112			
Chloroethane	18.4000	0.50	0.15	20.0000		92.0	42 - 167			
Chloroform	17.5100	0.50	0.11	20.0000		87.6	77 - 122			
Chloromethane	19.0600	0.50	0.12	20.0000		95.3	33 - 153			
cis-1,2-Dichloroethene	18.0400	0.50	0.14	20.0000		90.2	75 - 121			
cis-1,3-Dichloropropene	21.4400	0.50	0.13	20.0000		107	73 - 127			
Dibromochloromethane	19.7300	0.50	0.16	20.0000		98.6	77 - 122			
Dibromomethane	19.2900	0.50	0.19	20.0000		96.4	75 - 121			
Dichlorodifluoromethane	19.7000	0.50	0.18	20.0000		98.5	0 - 171			
Ethylbenzene	20.3700	0.50	0.13	20.0000		102	82 - 119			
Hexachlorobutadiene	20.0700	0.50	0.15	20.0000		100	71 - 131			
Isopropylbenzene	19.6700	0.50	0.10	20.0000		98.4	75 - 126			
m,p-Xylene	41.1600	1.0	0.19	40.0000		103	86 - 119			
Methylene chloride	18.4100	1.0	0.71	20.0000		92.0	76 - 125			
n-Butylbenzene	19.6800	0.50	0.11	20.0000		98.4	81 - 125			
n-Propylbenzene	19.6700	0.50	0.10	20.0000		98.4	78 - 130			
Naphthalene	22.1300	0.50	0.41	20.0000		111	47 - 128			
o-Xylene	21.2000	0.50	0.13	20.0000		106	85 - 119			
sec-Butylbenzene	19.6000	0.50	0.09	20.0000		98.0	78 - 130			
Styrene	21.4700	0.50	0.13	20.0000		107	62 - 148			
tert-Butylbenzene	19.3100	0.50	0.09	20.0000		96.6	77 - 125			
Tetrachloroethene	20.5200	0.50	0.10	20.0000		103	73 - 120			
Toluene	19.3800	0.50	0.12	20.0000		96.9	79 - 119			
trans-1,2-Dichloroethene	18.3800	0.50	0.09	20.0000		91.9	70 - 129			
Trichloroethene	18.7900	0.50	0.10	20.0000		94.0	73 - 117			
Trichlorofluoromethane	16.8700	0.50	0.23	20.0000		84.4	59 - 135			
Vinyl chloride	17.6800	0.50	0.13	20.0000		88.4	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.42*			*25.0000*		*85.7*	*64 - 155*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0341 - MSVOA_LL_W (continued)										
LCS (B1B0341-BS1) - Continued					Prepared: 2/18/2021 Analyzed: 2/18/2021					
Surrogate: 4-Bromofluorobenzene	*25.99*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.53*			*25.0000*		*94.1*	*78 - 129*			
Surrogate: Toluene-d8	*25.20*			*25.0000*		*101*	*84 - 117*			
LCS Dup (B1B0341-BSD1)					Prepared: 2/18/2021 Analyzed: 2/18/2021					
1,1,1,2-Tetrachloroethane	22.0600	0.50	0.11	20.0000		110	79 - 116	3.22	20	
1,1,1-Trichloroethane	17.8300	0.50	0.21	20.0000		89.2	73 - 130	0.337	20	
1,1,2,2-Tetrachloroethane	20.8600	0.50	0.36	20.0000		104	71 - 122	0.529	20	
1,1,2-Trichloroethane	19.7300	0.50	0.25	20.0000		98.6	70 - 124	1.56	20	
1,1-Dichloroethane	17.2500	0.50	0.09	20.0000		86.2	69 - 128	1.21	20	
1,1-Dichloroethene	18.2800	0.50	0.13	20.0000		91.4	65 - 137	0.659	20	
1,1-Dichloropropene	21.3200	0.50	0.13	20.0000		107	74 - 129	6.84	20	
1,2,3-Trichloropropane	20.9800	0.50	0.39	20.0000		105	74 - 123	2.75	20	
1,2,3-Trichlorobenzene	20.9400	0.50	0.18	20.0000		105	59 - 130	0.286	20	
1,2,4-Trichlorobenzene	20.4400	0.50	0.16	20.0000		102	65 - 125	2.46	20	
1,2,4-Trimethylbenzene	20.2900	0.50	0.14	20.0000		101	88 - 124	1.34	20	
1,2-Dibromo-3-chloropropane	24.1500	0.50	0.41	20.0000		121	61 - 127	3.14	20	
1,2-Dibromoethane	20.5900	0.50	0.24	20.0000		103	72 - 125	1.97	20	
1,2-Dichlorobenzene	20.3500	0.50	0.20	20.0000		102	84 - 113	0.542	20	
1,2-Dichloroethane	19.5500	0.50	0.20	20.0000		97.8	68 - 130	3.86	20	
1,2-Dichloropropane	18.9400	0.50	0.15	20.0000		94.7	77 - 121	1.87	20	
1,3,5-Trimethylbenzene	20.4400	0.50	0.13	20.0000		102	83 - 124	3.28	20	
1,3-Dichlorobenzene	20.2200	0.50	0.16	20.0000		101	83 - 112	1.39	20	
1,3-Dichloropropane	21.4100	0.50	0.21	20.0000		107	77 - 119	1.98	20	
1,4-Dichlorobenzene	19.0900	0.50	0.17	20.0000		95.4	79 - 115	0.262	20	
2,2-Dichloropropane	18.9200	0.50	0.38	20.0000		94.6	67 - 149	3.28	20	
2-Chlorotoluene	19.6400	0.50	0.11	20.0000		98.2	81 - 119	1.13	20	
4-Chlorotoluene	19.5400	0.50	0.12	20.0000		97.7	86 - 117	0.925	20	
4-Isopropyltoluene	20.0700	0.50	0.11	20.0000		100	82 - 131	0.800	20	
Benzene	21.3900	0.50	0.13	20.0000		107	75 - 124	7.47	20	
Bromobenzene	19.8200	0.50	0.21	20.0000		99.1	82 - 108	0.954	20	
Bromodichloromethane	19.8900	0.50	0.14	20.0000		99.4	80 - 120	1.37	20	
Bromoform	25.6300	0.50	0.20	20.0000		128	70 - 123	0.273	20	L3
Bromomethane	19.7800	0.50	0.40	20.0000		98.9	44 - 151	3.09	20	
Carbon tetrachloride	20.1600	0.50	0.09	20.0000		101	62 - 140	3.23	20	
Chlorobenzene	19.8200	0.50	0.13	20.0000		99.1	80 - 112	1.88	20	
Chloroethane	17.9600	0.50	0.15	20.0000		89.8	42 - 167	2.42	20	
Chloroform	17.0900	0.50	0.11	20.0000		85.4	77 - 122	2.43	20	
Chloromethane	18.7600	0.50	0.12	20.0000		93.8	33 - 153	1.59	20	
cis-1,2-Dichloroethene	17.8400	0.50	0.14	20.0000		89.2	75 - 121	1.11	20	
cis-1,3-Dichloropropene	21.7200	0.50	0.13	20.0000		109	73 - 127	1.30	20	
Dibromochloromethane	20.3800	0.50	0.16	20.0000		102	77 - 122	3.24	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 : 02/25/2021

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 B1B0341 - MSVOA_LL_W (continued)										
LCS Dup (B1B0341-BSD1) - Continued					Prepared: 2/18/2021 Analyzed: 2/18/2021					
Dibromomethane	19.9400	0.50	0.19	20.0000		99.7	75 - 121	3.31	20	
Dichlorodifluoromethane	20.0200	0.50	0.18	20.0000		100	0 - 171	1.61	20	
Ethylbenzene	21.0300	0.50	0.13	20.0000		105	82 - 119	3.19	20	
Hexachlorobutadiene	20.2000	0.50	0.15	20.0000		101	71 - 131	0.646	20	
Isopropylbenzene	19.9100	0.50	0.10	20.0000		99.6	75 - 126	1.21	20	
m,p-Xylene	42.0500	1.0	0.19	40.0000		105	86 - 119	2.14	20	
Methylene chloride	18.2400	1.0	0.71	20.0000		91.2	76 - 125	0.928	20	
n-Butylbenzene	19.8400	0.50	0.11	20.0000		99.2	81 - 125	0.810	20	
n-Propylbenzene	19.8900	0.50	0.10	20.0000		99.4	78 - 130	1.11	20	
Naphthalene	21.4600	0.50	0.41	20.0000		107	47 - 128	3.07	20	
o-Xylene	21.3300	0.50	0.13	20.0000		107	85 - 119	0.611	20	
sec-Butylbenzene	19.9000	0.50	0.09	20.0000		99.5	78 - 130	1.52	20	
Styrene	21.6300	0.50	0.13	20.0000		108	62 - 148	0.742	20	
tert-Butylbenzene	19.9000	0.50	0.09	20.0000		99.5	77 - 125	3.01	20	
Tetrachloroethene	21.1600	0.50	0.10	20.0000		106	73 - 120	3.07	20	
Toluene	19.4600	0.50	0.12	20.0000		97.3	79 - 119	0.412	20	
trans-1,2-Dichloroethene	17.7800	0.50	0.09	20.0000		88.9	70 - 129	3.32	20	
Trichloroethene	19.4700	0.50	0.10	20.0000		97.4	73 - 117	3.55	20	
Trichlorofluoromethane	17.3800	0.50	0.23	20.0000		86.9	59 - 135	2.98	20	
Vinyl chloride	17.4600	0.50	0.13	20.0000		87.3	58 - 132	1.25	20	
Surrogate: 1,2-Dichloroethane-d4	*21.94*			*25.0000*		*87.8*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.23*			*25.0000*		*105*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.18*			*25.0000*		*92.7*	*78 - 129*			
Surrogate: Toluene-d8	*24.76*			*25.0000*		*99.0*	*84 - 117*			

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 : 02/25/2021

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 B1B0393 - MSSEMI_W										
Blank (B1B0393-BLK1)						Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*59.88*			*100.000*		*59.9*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*62.75*			*100.000*		*62.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*77.31*			*100.000*		*77.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*65.04*			*100.000*		*65.0*	*13 - 150*			
Blank (B1B0393-BLK2)						Prepared: 2/19/2021 Analyzed: 2/24/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*61.36*			*100.000*		*61.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*61.51*			*100.000*		*61.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*72.10*			*100.000*		*72.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*66.29*			*100.000*		*66.3*	*13 - 150*			
LCS (B1B0393-BS1)						Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	109.980	2.0	0.84	100.000		110	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*47.03*			*100.000*		*47.0*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*58.69*			*100.000*		*58.7*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.49*			*100.000*		*67.5*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*57.05*			*100.000*		*57.0*	*13 - 150*			
LCS (B1B0393-BS2)						Prepared: 2/19/2021 Analyzed: 2/24/2021				
1,4-Dioxane	114.740	2.0	0.84	100.000		115	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*46.32*			*100.000*		*46.3*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*59.50*			*100.000*		*59.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.62*			*100.000*		*67.6*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*58.36*			*100.000*		*58.4*	*13 - 150*			
Matrix Spike (B1B0393-MS1)			**Source: 2100392-09**			Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	105.570	2.0	0.84	100.000	2.51000	103	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*49.37*			*100.000*		*49.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*61.77*			*100.000*		*61.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.47*			*100.000*		*67.5*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*60.80*			*100.000*		*60.8*	*13 - 150*			
Matrix Spike Dup (B1B0393-MSD1)			**Source: 2100392-09**			Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	115.680	2.0	0.84	100.000	2.51000	113	75 - 155	9.14	20	
Surrogate: 1,2-Dichlorobenzene-d	*47.14*			*100.000*		*47.1*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*60.38*			*100.000*		*60.4*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*65.06*			*100.000*		*65.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*58.97*			*100.000*		*59.0*	*13 - 150*			

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 : 02/25/2021

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 B1B0411 - MSSEMI_W										
Blank (B1B0411-BLK1)					Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.6003*			*1.00000*		*60.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9468*			*1.00000*		*94.7*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7713*			*1.00000*		*77.1*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.4645*			*1.00000*		*46.4*	*15 - 121*			
LCS (B1B0411-BS1)					Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	1.04840	0.20	0.05	1.00000		105	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.6631*			*1.00000*		*66.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.074*			*1.00000*		*107*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8004*			*1.00000*		*80.0*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6211*			*1.00000*		*62.1*	*15 - 121*			
Matrix Spike (B1B0411-MS1)			**Source: 2100374-04**		Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	1.08968	0.20	0.05	1.00000	ND	109	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.5800*			*1.00000*		*58.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9256*			*1.00000*		*92.6*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8233*			*1.00000*		*82.3*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.5019*			*1.00000*		*50.2*	*15 - 121*			
Matrix Spike Dup (B1B0411-MSD1)			**Source: 2100374-04**		Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	3.19065	0.20	0.05	1.00000	ND	319	75 - 155	98.2	20	M1, R1
Surrogate: 1,2-Dichlorobenzene-d	*0.5627*			*1.00000*		*56.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8814*			*1.00000*		*88.1*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7138*			*1.00000*		*71.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.4664*			*1.00000*		*46.6*	*15 - 121*			

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 :	02/25/2021

Notes and Definitions

R1	RPD value outside acceptance criteria. Reanalysis not possible due to insufficient amount of sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L3	Laboratory control sample outside in-house established limits but within method criteria.
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

2100374

Date: 2/17/21
Page 1 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Andrew Donnelly, Ryne Adams

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	NaOH/AlCl3	NaOH/Zn	Ice	CONTAINERS: 40-ml VOA	1 L Amber	250-ml poly	250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	1,4 Dioxane 8270 SIM	1,4-Dioxane 8270 MOD	CO2 by SM4500	Dissolved Sulfide by SM4500 S2-d	Total Sulfide by SM-4500 S2-d	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
2100374-1	TB-021721A	2/17/21	0830		X	X			X	2				X												X			Report J Flags
2	MW-27		0846	X		X			X	3				X						X						X			
3	MW-28		0919	X		X			X	3	1			X	X											X			
4	MW-24		1044	X		X			X	9	1			X	X					X						X			
5	MW-38		1239	X		X			X	3	3			X	X					X						X	X	X	
6	MW-41		1321	X		X			X	3	1			X	X					X						X			
7	MW-4100		1323	X		X			X	3	1			X	X					X						X			
8	P-07		1330	X		X			X	3	1			X	X					X						X			
9	MW-34A		1517	X		X			X	3	1			X		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
Andrew Donnelly / H+A	2/17/21 1650	[signature]	2/17/21 1650
[signature]	2/17/21 1730	[signature] ATL	2/17/21 17:30

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

2.1 Temperature on receipt
SCIRT11

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

Laboratory
ATL
Attn: Tina Nguyen
3257 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. [illegible]cate the number of sample containers in analytical request space; indicate choice with ✓or ×
4. [illegible]e applicable preservatives, special instructions, and deviations from typical environmental samples.
5. [illegible]sult project QA documents for specific instructions.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

2102374

Date: 2/17/21
Page 2 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: A. DONNELLY, R. ADAMS

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	Groundwater	Lab prepared water	Hydrochloric Acid (HCl)	NaOH/AlCl3	NaOH/Zn	Ice	40-ml VOA	1 L Amber	250-ml poly	250-ml Amber	VOCs by EPA 8260B	1,4 Dioxane 8270 SIM	1,4-Dioxane 8270 MOD	CO2 by SM4500	Dissolved Sulfide by SM4500 S2-d	Total Sulfide by SM-4500 S2-d	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
10	MW-30A	2/17/21	1454	X		X			X	3				X						X						X			Report J Flags
11	MW-30B		1526	X		X			X	3	1				X											X			
				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
Andrew Donnelly / H+A	2/17/21 1650	Max Rothman	2/17/21 1650
Max Rothman	2/17/21 1730	John Santos AFC	2/17/21 1730

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

21 Temperature on receipt
SCIRTII

Laboratory
ATL
Attn: Tina Nguyen
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

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.

February 25, 2021

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 : 2100392
Client Reference : Raytheon Main, 532.30

Enclosed are the results for sample(s) received on February 18, 2021 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,

Edgar P. Caballero
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 :	02/25/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-021821A	2100392-01	Water	2/18/21 8:00	2/18/21 16:55
MW-26C	2100392-02	Groundwater	2/18/21 9:14	2/18/21 16:55
MW-06	2100392-03	Groundwater	2/18/21 10:43	2/18/21 16:55
P-09	2100392-04	Groundwater	2/18/21 11:36	2/18/21 16:55
MW-21	2100392-05	Groundwater	2/18/21 13:25	2/18/21 16:55
EW-01	2100392-06	Groundwater	2/18/21 13:46	2/18/21 16:55
MW-09	2100392-07	Groundwater	2/18/21 15:11	2/18/21 16:55
RB-021821	2100392-08	Groundwater	2/18/21 15:30	2/18/21 16:55
MW-32B	2100392-09	Groundwater	2/18/21 16:16	2/18/21 16:55
MW-43	2100392-10	Groundwater	2/18/21 8:52	2/18/21 16:55
MW-42	2100392-11	Groundwater	2/18/21 10:17	2/18/21 16:55
MW-4200	2100392-12	Groundwater	2/18/21 11:39	2/18/21 16:55
MW-35C	2100392-13	Groundwater	2/18/21 12:39	2/18/21 16:55
MW-32A	2100392-14	Groundwater	2/18/21 15:41	2/18/21 16:55

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.

Sample RB-021821 was logged in as 1,4-Dioxane 8270 MOD instead of 1,4-Dioxane 8270 SIM due to oversight. The lab was unable to re-extract and analyze the sample using 8270 SIM due to insufficient volume.

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 : 02/25/2021

Client Sample ID: TB-021821A

Lab ID: 2100392-01

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 17:24	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 17:24	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 17:24	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 17:24	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:24	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 17:24	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 17:24	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 17:24	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 17:24	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 17:24	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 17:24	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:24	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 17:24	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:24	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 17:24	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 17:24	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 17:24	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 17:24	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:24	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 17:24	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:24	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 17:24	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 17:24	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 17:24	

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 :	02/25/2021

Client Sample ID: TB-021821A

Lab ID: 2100392-01

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 17:24	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 17:24	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 17:24	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:24	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 17:24	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 17:24	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:24	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:24	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 17:24	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:24	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:24	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:24	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 17:24	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:24	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:24	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 17:24	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:24	
Surrogate: 1,2-Dichloroethane-d4	*88.6 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 17:24*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 17:24*	
Surrogate: Dibromofluoromethane	*99.4 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 17:24*	
Surrogate: Toluene-d8	*94.6 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 17:24*	

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 : 02/25/2021

Client Sample ID: MW-26C

Lab ID: 2100392-02

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 18:39	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 18:39	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 18:39	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 18:39	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 18:39	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 18:39	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 18:39	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 18:39	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 18:39	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 18:39	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 18:39	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 18:39	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 18:39	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 18:39	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 18:39	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 18:39	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 18:39	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 18:39	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 18:39	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 18:39	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 18:39	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 18:39	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 18:39	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 18:39	

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 :	02/25/2021

Client Sample ID: MW-26C

Lab ID: 2100392-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 18:39	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 18:39	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 18:39	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 18:39	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 18:39	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 18:39	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 18:39	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 18:39	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 18:39	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 18:39	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 18:39	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 18:39	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 18:39	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 18:39	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 18:39	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 18:39	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 18:39	
Surrogate: 1,2-Dichloroethane-d4	*87.6 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 18:39*	
Surrogate: 4-Bromofluorobenzene	*99.9 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 18:39*	
Surrogate: Dibromofluoromethane	*96.8 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 18:39*	
Surrogate: Toluene-d8	*95.2 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 18:39*	

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 :	02/25/2021

Client Sample ID: MW-26C

Lab ID: 2100392-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 20:37	
Surrogate: 1,2-Dichlorobenzene-d4	*49.6 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 20:37*	
Surrogate: 2-Fluorobiphenyl	*74.9 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 20:37*	
Surrogate: 4-Terphenyl-d14	*70.2 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 20:37*	
Surrogate: Nitrobenzene-d5	*37.9 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 20:37*	

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 : 02/25/2021

Client Sample ID: MW-06

Lab ID: 2100392-03

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 21:34	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 21:34	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 21:34	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 21:34	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:34	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 21:34	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 21:34	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 21:34	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 21:34	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 21:34	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 21:34	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:34	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 21:34	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:34	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 21:34	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 21:34	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 21:34	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 21:34	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:34	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 21:34	
Chloroform	**5.1**	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:34	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 21:34	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 21:34	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 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 :	02/25/2021

Client Sample ID: MW-06

Lab ID: 2100392-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 21:34	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 21:34	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 21:34	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:34	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 21:34	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 21:34	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:34	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:34	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 21:34	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:34	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:34	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:34	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 21:34	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:34	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:34	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 21:34	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:34	
Surrogate: 1,2-Dichloroethane-d4	*92.6 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 21:34*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 21:34*	
Surrogate: Dibromofluoromethane	*105 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 21:34*	
Surrogate: Toluene-d8	*98.5 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 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 : 02/25/2021

Client Sample ID: P-09

Lab ID: 2100392-04

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 21:58	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 21:58	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 21:58	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 21:58	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:58	
1,1-Dichloroethene	**6.3**	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 21:58	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 21:58	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 21:58	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 21:58	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 21:58	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 21:58	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:58	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 21:58	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:58	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 21:58	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 21:58	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 21:58	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 21:58	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:58	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 21:58	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:58	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 21:58	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 21:58	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 21:58	

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 :	02/25/2021

Client Sample ID: P-09

Lab ID: 2100392-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 21:58	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 21:58	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 21:58	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:58	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 21:58	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 21:58	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 21:58	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:58	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 21:58	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:58	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:58	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:58	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 21:58	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 21:58	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 21:58	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 21:58	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 21:58	
Surrogate: 1,2-Dichloroethane-d4	*90.2 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 21:58*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 21:58*	
Surrogate: Dibromofluoromethane	*98.3 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 21:58*	
Surrogate: Toluene-d8	*93.5 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 21:58*	

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 :	02/25/2021

Client Sample ID: P-09

Lab ID: 2100392-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 21:03	
Surrogate: 1,2-Dichlorobenzene-d4	*54.6 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 21:03*	
Surrogate: 2-Fluorobiphenyl	*85.0 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 21:03*	
Surrogate: 4-Terphenyl-d14	*71.9 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 21:03*	
Surrogate: Nitrobenzene-d5	*45.5 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 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 : 02/25/2021

Client Sample ID: MW-21

Lab ID: 2100392-05

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 22:23	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 22:23	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 22:23	
1,1,2-Trichloroethane	**9.6**	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 22:23	
1,1-Dichloroethane	**16**	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 22:23	
1,1-Dichloroethene	**1500**	25	6.6	50	B1B0405	02/22/2021	02/22/21 22:48	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2-Dichloroethane	**4.1**	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 22:23	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 22:23	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 22:23	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 22:23	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 22:23	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 22:23	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 22:23	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 22:23	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 22:23	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 22:23	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 22:23	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 22:23	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 22:23	
Carbon tetrachloride	**0.49**	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 22:23	J
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 22:23	
Chloroform	**1.1**	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 22:23	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 22:23	
cis-1,2-Dichloroethene	**1.2**	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 22:23	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 22:23	

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 : 02/25/2021

Client Sample ID: MW-21

Lab ID: 2100392-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 22:23	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 22:23	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 22:23	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 22:23	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 22:23	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 22:23	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 22:23	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 22:23	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 22:23	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 22:23	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 22:23	
Tetrachloroethene	**3.6**	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 22:23	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 22:23	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 22:23	
Trichloroethene	**15**	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 22:23	
Trichlorofluoromethane	**0.41**	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 22:23	J
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 22:23	
Surrogate: 1,2-Dichloroethane-d4	*88.9 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 22:23*	
Surrogate: 1,2-Dichloroethane-d4	*92.2 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 22:48*	
Surrogate: 4-Bromofluorobenzene	*98.4 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 22:23*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 22:48*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 22:23*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 22:48*	
Surrogate: Toluene-d8	*91.9 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 22:48*	
Surrogate: Toluene-d8	*93.0 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 22:23*	

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 :	02/25/2021

Client Sample ID: MW-21

Lab ID: 2100392-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**610**	2.0	0.84	1	B1B0393	02/19/2021	02/24/21 03:39	
Surrogate: 1,2-Dichlorobenzene-d4	*51.6 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 03:39*	
Surrogate: 2-Fluorobiphenyl	*58.3 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 03:39*	
Surrogate: 4-Terphenyl-d14	*69.7 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 03:39*	
Surrogate: Nitrobenzene-d5	*59.9 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 03:39*	

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 : 02/25/2021

Client Sample ID: EW-01

Lab ID: 2100392-06

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 23:13	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 23:13	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 23:13	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 23:13	
1,1-Dichloroethane	**0.94**	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:13	
1,1-Dichloroethene	**72**	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 23:13	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 23:13	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 23:13	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 23:13	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 23:13	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 23:13	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:13	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 23:13	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:13	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 23:13	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 23:13	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 23:13	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 23:13	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:13	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 23:13	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:13	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 23:13	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 23:13	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 23:13	

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 : 02/25/2021

Client Sample ID: EW-01

Lab ID: 2100392-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 23:13	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 23:13	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 23:13	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:13	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 23:13	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 23:13	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:13	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:13	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 23:13	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:13	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:13	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:13	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 23:13	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:13	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:13	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 23:13	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:13	
Surrogate: 1,2-Dichloroethane-d4	*90.8 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 23:13*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 23:13*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 23:13*	
Surrogate: Toluene-d8	*97.7 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 23:13*	

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 :	02/25/2021

Client Sample ID: EW-01

Lab ID: 2100392-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**47**	2.0	0.84	1	B1B0393	02/19/2021	02/24/21 04:05	
Surrogate: 1,2-Dichlorobenzene-d4	*53.4 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 04:05*	
Surrogate: 2-Fluorobiphenyl	*57.8 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 04:05*	
Surrogate: 4-Terphenyl-d14	*68.9 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 04:05*	
Surrogate: Nitrobenzene-d5	*59.3 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 04:05*	

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 : 02/25/2021

Client Sample ID: MW-09

Lab ID: 2100392-07

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 19:04	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:04	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 19:04	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 19:04	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:04	
1,1-Dichloroethene	**0.35**	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	J
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:04	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:04	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:04	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:04	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 19:04	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 19:04	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:04	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:04	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:04	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:04	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:04	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:04	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 19:04	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:04	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:04	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:04	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:04	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:04	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:04	

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 :	02/25/2021

Client Sample ID: MW-09

Lab ID: 2100392-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 19:04	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 19:04	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:04	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:04	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 19:04	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 19:04	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:04	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:04	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 19:04	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:04	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:04	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:04	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:04	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:04	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:04	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 19:04	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:04	
Surrogate: 1,2-Dichloroethane-d4	*91.2 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 19:04*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 19:04*	
Surrogate: Dibromofluoromethane	*98.8 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 19:04*	
Surrogate: Toluene-d8	*97.0 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 19:04*	

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 :	02/25/2021

Client Sample ID: MW-09

Lab ID: 2100392-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 21:29	
Surrogate: 1,2-Dichlorobenzene-d4	*59.8 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 21:29*	
Surrogate: 2-Fluorobiphenyl	*93.3 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 21:29*	
Surrogate: 4-Terphenyl-d14	*73.8 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 21:29*	
Surrogate: Nitrobenzene-d5	*49.5 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 21:29*	

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 : 02/25/2021

Client Sample ID: RB-021821

Lab ID: 2100392-08

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 19:29	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:29	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 19:29	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 19:29	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:29	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:29	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:29	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:29	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:29	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 19:29	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 19:29	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:29	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:29	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:29	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:29	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:29	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:29	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 19:29	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:29	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:29	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:29	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:29	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:29	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:29	

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 :	02/25/2021

Client Sample ID: RB-021821

Lab ID: 2100392-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 19:29	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 19:29	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:29	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:29	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 19:29	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 19:29	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:29	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:29	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 19:29	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:29	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:29	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:29	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:29	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:29	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:29	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 19:29	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:29	
Surrogate: 1,2-Dichloroethane-d4	*90.3 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 19:29*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 19:29*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 19:29*	
Surrogate: Toluene-d8	*96.5 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 19:29*	

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 :	02/25/2021

Client Sample ID: RB-021821

Lab ID: 2100392-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	2.0	0.84	1	B1B0393	02/19/2021	02/24/21 04:32	
Surrogate: 1,2-Dichlorobenzene-d4	*54.3 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 04:32*	
Surrogate: 2-Fluorobiphenyl	*63.2 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 04:32*	
Surrogate: 4-Terphenyl-d14	*75.4 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 04:32*	
Surrogate: Nitrobenzene-d5	*64.0 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 04:32*	

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 : 02/25/2021

Client Sample ID: MW-32B

Lab ID: 2100392-09

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 17:49	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 17:49	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 17:49	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 17:49	
1,1-Dichloroethane	**0.58**	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:49	
1,1-Dichloroethene	**77**	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 17:49	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 17:49	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 17:49	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 17:49	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 17:49	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 17:49	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:49	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 17:49	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:49	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 17:49	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 17:49	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 17:49	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 17:49	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:49	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 17:49	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:49	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 17:49	
cis-1,2-Dichloroethene	**2.1**	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 17:49	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 17:49	

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 : 02/25/2021

Client Sample ID: MW-32B

Lab ID: 2100392-09

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 17:49	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 17:49	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 17:49	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:49	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 17:49	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 17:49	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 17:49	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:49	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 17:49	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:49	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:49	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:49	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 17:49	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 17:49	
Trichloroethene	**18**	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 17:49	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 17:49	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 17:49	
Surrogate: 1,2-Dichloroethane-d4	*92.6 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 17:49*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 17:49*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 17:49*	
Surrogate: Toluene-d8	*95.6 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 17:49*	

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 :	02/25/2021

Client Sample ID: MW-32B

Lab ID: 2100392-09

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**2.5**	2.0	0.84	1	B1B0393	02/19/2021	02/24/21 11:39	
Surrogate: 1,2-Dichlorobenzene-d4	*53.6 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 11:39*	
Surrogate: 2-Fluorobiphenyl	*57.3 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 11:39*	
Surrogate: 4-Terphenyl-d14	*69.5 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 11:39*	
Surrogate: Nitrobenzene-d5	*60.6 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 11:39*	

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 :	02/25/2021

Client Sample ID: MW-43

Lab ID: 2100392-10

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 19:54	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:54	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 19:54	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 19:54	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:54	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:54	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:54	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:54	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:54	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 19:54	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 19:54	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:54	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:54	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:54	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 19:54	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:54	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 19:54	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 19:54	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:54	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:54	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:54	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:54	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 19:54	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 19:54	

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 :	02/25/2021

Client Sample ID: MW-43

Lab ID: 2100392-10

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 19:54	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 19:54	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 19:54	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:54	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 19:54	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 19:54	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 19:54	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:54	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 19:54	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:54	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:54	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:54	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 19:54	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 19:54	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 19:54	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 19:54	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 19:54	
Surrogate: 1,2-Dichloroethane-d4	*93.1 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 19:54*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 19:54*	
Surrogate: Dibromofluoromethane	*107 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 19:54*	
Surrogate: Toluene-d8	*95.3 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 19:54*	

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 :	02/25/2021

Client Sample ID: MW-43

Lab ID: 2100392-10

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 21:54	
Surrogate: 1,2-Dichlorobenzene-d4	*49.3 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 21:54*	
Surrogate: 2-Fluorobiphenyl	*76.2 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 21:54*	
Surrogate: 4-Terphenyl-d14	*72.9 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 21:54*	
Surrogate: Nitrobenzene-d5	*43.3 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 21:54*	

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 : 02/25/2021

Client Sample ID: MW-42

Lab ID: 2100392-11

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 23:38	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 23:38	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 23:38	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 23:38	
1,1-Dichloroethane	**0.46**	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:38	J
1,1-Dichloroethene	**35**	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 23:38	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 23:38	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 23:38	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 23:38	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 23:38	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 23:38	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:38	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 23:38	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:38	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 23:38	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 23:38	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 23:38	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 23:38	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:38	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 23:38	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:38	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 23:38	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 23:38	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 23:38	

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 : 02/25/2021

Client Sample ID: MW-42

Lab ID: 2100392-11

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 23:38	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 23:38	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 23:38	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:38	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 23:38	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 23:38	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 23:38	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:38	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 23:38	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:38	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:38	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:38	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 23:38	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 23:38	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 23:38	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 23:38	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 23:38	
Surrogate: 1,2-Dichloroethane-d4	*91.1 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 23:38*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 23:38*	
Surrogate: Dibromofluoromethane	*99.5 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 23:38*	
Surrogate: Toluene-d8	*93.2 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 23:38*	

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 :	02/25/2021

Client Sample ID: MW-42

Lab ID: 2100392-11

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**1.9**	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 22:21	
Surrogate: 1,2-Dichlorobenzene-d4	*57.1 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 22:21*	
Surrogate: 2-Fluorobiphenyl	*87.8 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 22:21*	
Surrogate: 4-Terphenyl-d14	*79.6 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 22:21*	
Surrogate: Nitrobenzene-d5	*48.6 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 22:21*	

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 : 02/25/2021

Client Sample ID: MW-4200

Lab ID: 2100392-12

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

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	0.11	1	B1B0405	02/23/2021	02/23/21 00:03	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/23/2021	02/23/21 00:03	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/23/2021	02/23/21 00:03	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/23/2021	02/23/21 00:03	
1,1-Dichloroethane	**0.51**	0.50	0.09	1	B1B0405	02/23/2021	02/23/21 00:03	
1,1-Dichloroethene	**34**	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/23/2021	02/23/21 00:03	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/23/2021	02/23/21 00:03	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/23/2021	02/23/21 00:03	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/23/2021	02/23/21 00:03	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/23/2021	02/23/21 00:03	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/23/2021	02/23/21 00:03	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/23/2021	02/23/21 00:03	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/23/2021	02/23/21 00:03	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/23/2021	02/23/21 00:03	
Benzene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/23/2021	02/23/21 00:03	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/23/2021	02/23/21 00:03	
Bromoform	ND	0.50	0.20	1	B1B0405	02/23/2021	02/23/21 00:03	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/23/2021	02/23/21 00:03	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/23/2021	02/23/21 00:03	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/23/2021	02/23/21 00:03	
Chloroform	ND	0.50	0.11	1	B1B0405	02/23/2021	02/23/21 00:03	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/23/2021	02/23/21 00:03	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/23/2021	02/23/21 00:03	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/23/2021	02/23/21 00:03	

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 :	02/25/2021

Client Sample ID: MW-4200

Lab ID: 2100392-12

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/23/2021	02/23/21 00:03	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/23/2021	02/23/21 00:03	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/23/2021	02/23/21 00:03	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/23/2021	02/23/21 00:03	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/23/2021	02/23/21 00:03	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/23/2021	02/23/21 00:03	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/23/2021	02/23/21 00:03	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/23/2021	02/23/21 00:03	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/23/2021	02/23/21 00:03	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/23/2021	02/23/21 00:03	
Styrene	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/23/2021	02/23/21 00:03	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/23/2021	02/23/21 00:03	
Toluene	ND	0.50	0.12	1	B1B0405	02/23/2021	02/23/21 00:03	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/23/2021	02/23/21 00:03	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/23/2021	02/23/21 00:03	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/23/2021	02/23/21 00:03	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/23/2021	02/23/21 00:03	
Surrogate: 1,2-Dichloroethane-d4	*88.4 %*	*64 - 155*			B1B0405	02/23/2021	*02/23/21 00:03*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*73 - 124*			B1B0405	02/23/2021	*02/23/21 00:03*	
Surrogate: Dibromofluoromethane	*96.3 %*	*78 - 129*			B1B0405	02/23/2021	*02/23/21 00:03*	
Surrogate: Toluene-d8	*93.6 %*	*84 - 117*			B1B0405	02/23/2021	*02/23/21 00:03*	

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 :	02/25/2021

Client Sample ID: MW-4200

Lab ID: 2100392-12

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**3.7**	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 22:46	
Surrogate: 1,2-Dichlorobenzene-d4	*51.2 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 22:46*	
Surrogate: 2-Fluorobiphenyl	*73.7 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 22:46*	
Surrogate: 4-Terphenyl-d14	*65.8 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 22:46*	
Surrogate: Nitrobenzene-d5	*42.6 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 22:46*	

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 : 02/25/2021

Client Sample ID: MW-35C

Lab ID: 2100392-13

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 20:19	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 20:19	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 20:19	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 20:19	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:19	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 20:19	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 20:19	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 20:19	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 20:19	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 20:19	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 20:19	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:19	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 20:19	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:19	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 20:19	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 20:19	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 20:19	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 20:19	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:19	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 20:19	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:19	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 20:19	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 20:19	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 20:19	

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 :	02/25/2021

Client Sample ID: MW-35C

Lab ID: 2100392-13

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 20:19	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 20:19	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 20:19	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:19	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 20:19	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 20:19	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:19	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:19	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 20:19	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:19	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:19	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:19	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 20:19	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:19	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:19	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 20:19	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:19	
Surrogate: 1,2-Dichloroethane-d4	*94.8 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 20:19*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 20:19*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 20:19*	
Surrogate: Toluene-d8	*94.2 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 20:19*	

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 :	02/25/2021

Client Sample ID: MW-35C

Lab ID: 2100392-13

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 23:12	
Surrogate: 1,2-Dichlorobenzene-d4	*57.0 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 23:12*	
Surrogate: 2-Fluorobiphenyl	*85.2 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 23:12*	
Surrogate: 4-Terphenyl-d14	*70.7 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 23:12*	
Surrogate: Nitrobenzene-d5	*44.3 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 23:12*	

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/25/2021

Client Sample ID: MW-32A

Lab ID: 2100392-14

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

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	0.11	1	B1B0405	02/22/2021	02/22/21 20:44	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 20:44	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0405	02/22/2021	02/22/21 20:44	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0405	02/22/2021	02/22/21 20:44	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:44	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 20:44	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 20:44	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 20:44	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 20:44	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0405	02/22/2021	02/22/21 20:44	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0405	02/22/2021	02/22/21 20:44	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:44	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 20:44	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:44	
Benzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
Bromobenzene	ND	0.50	0.21	1	B1B0405	02/22/2021	02/22/21 20:44	
Bromodichloromethane	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 20:44	
Bromoform	ND	0.50	0.20	1	B1B0405	02/22/2021	02/22/21 20:44	
Bromomethane	ND	0.50	0.40	1	B1B0405	02/22/2021	02/22/21 20:44	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:44	
Chlorobenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
Chloroethane	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 20:44	
Chloroform	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:44	
Chloromethane	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 20:44	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0405	02/22/2021	02/22/21 20:44	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
Dibromochloromethane	ND	0.50	0.16	1	B1B0405	02/22/2021	02/22/21 20:44	

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 : 02/25/2021

Client Sample ID: MW-32A

Lab ID: 2100392-14

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0405	02/22/2021	02/22/21 20:44	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0405	02/22/2021	02/22/21 20:44	
Ethylbenzene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0405	02/22/2021	02/22/21 20:44	
Isopropylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:44	
m,p-Xylene	ND	1.0	0.19	1	B1B0405	02/22/2021	02/22/21 20:44	
Methylene chloride	ND	1.0	0.71	1	B1B0405	02/22/2021	02/22/21 20:44	
n-Butylbenzene	ND	0.50	0.11	1	B1B0405	02/22/2021	02/22/21 20:44	
n-Propylbenzene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:44	
Naphthalene	ND	0.50	0.41	1	B1B0405	02/22/2021	02/22/21 20:44	
o-Xylene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:44	
Styrene	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:44	
Tetrachloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:44	
Toluene	ND	0.50	0.12	1	B1B0405	02/22/2021	02/22/21 20:44	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0405	02/22/2021	02/22/21 20:44	
Trichloroethene	ND	0.50	0.10	1	B1B0405	02/22/2021	02/22/21 20:44	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0405	02/22/2021	02/22/21 20:44	
Vinyl chloride	ND	0.50	0.13	1	B1B0405	02/22/2021	02/22/21 20:44	
Surrogate: 1,2-Dichloroethane-d4	*89.8 %*	*64 - 155*			B1B0405	02/22/2021	*02/22/21 20:44*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*73 - 124*			B1B0405	02/22/2021	*02/22/21 20:44*	
Surrogate: Dibromofluoromethane	*100 %*	*78 - 129*			B1B0405	02/22/2021	*02/22/21 20:44*	
Surrogate: Toluene-d8	*96.3 %*	*84 - 117*			B1B0405	02/22/2021	*02/22/21 20:44*	

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375		Report To :	Steve Netto
San Diego , CA 92122		Reported :	02/25/2021

Client Sample ID: MW-32A

Lab ID: 2100392-14

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0411	02/22/2021	02/23/21 23:38	
Surrogate: 1,2-Dichlorobenzene-d4	*56.4 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 23:38*	
Surrogate: 2-Fluorobiphenyl	*83.8 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 23:38*	
Surrogate: 4-Terphenyl-d14	*69.7 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 23:38*	
Surrogate: Nitrobenzene-d5	*44.2 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 23:38*	

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 : 02/25/2021

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 B1B0405 - MSVOA_LL_W										
Blank (B1B0405-BLK1)					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	0.210000	0.50	0.18							J
1,2,4-Trichlorobenzene	0.260000	0.50	0.16							J
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
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Reported : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
Blank (B1B0405-BLK1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	0.230000	0.50	0.11							J
n-Propylbenzene	0.110000	0.50	0.10							J
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*23.12*			*25.0000*		*92.5*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.95*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.11*			*25.0000*		*104*	*78 - 129*			
Surrogate: Toluene-d8	*23.92*			*25.0000*		*95.7*	*84 - 117*			
LCS (B1B0405-BS1)					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	21.2700	0.50	0.11	20.0000		106	79 - 116			
1,1,1-Trichloroethane	19.5800	0.50	0.21	20.0000		97.9	73 - 130			
1,1,2,2-Tetrachloroethane	20.4000	0.50	0.36	20.0000		102	71 - 122			
1,1,2-Trichloroethane	19.0300	0.50	0.25	20.0000		95.2	70 - 124			
1,1-Dichloroethane	17.8500	0.50	0.09	20.0000		89.2	69 - 128			
1,1-Dichloroethene	20.8200	0.50	0.13	20.0000		104	65 - 137			
1,1-Dichloropropene	23.6200	0.50	0.13	20.0000		118	74 - 129			
1,2,3-Trichloropropane	20.4600	0.50	0.39	20.0000		102	74 - 123			
1,2,3-Trichlorobenzene	19.5000	0.50	0.18	20.0000		97.5	59 - 130			
1,2,4-Trichlorobenzene	18.8100	0.50	0.16	20.0000		94.0	65 - 125			
1,2,4-Trimethylbenzene	20.0300	0.50	0.14	20.0000		100	88 - 124			
1,2-Dibromo-3-chloropropane	21.9200	0.50	0.41	20.0000		110	61 - 127			
1,2-Dibromoethane	20.2900	0.50	0.24	20.0000		101	72 - 125			
1,2-Dichlorobenzene	19.3500	0.50	0.20	20.0000		96.8	84 - 113			
1,2-Dichloroethane	20.3100	0.50	0.20	20.0000		102	68 - 130			
1,2-Dichloropropane	17.6100	0.50	0.15	20.0000		88.0	77 - 121			
1,3,5-Trimethylbenzene	20.0200	0.50	0.13	20.0000		100	83 - 124			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
LCS (B1B0405-BS1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,3-Dichlorobenzene	19.6700	0.50	0.16	20.0000		98.4	83 - 112			
1,3-Dichloropropane	21.2600	0.50	0.21	20.0000		106	77 - 119			
1,4-Dichlorobenzene	18.7500	0.50	0.17	20.0000		93.8	79 - 115			
2,2-Dichloropropane	19.8300	0.50	0.38	20.0000		99.2	67 - 149			
2-Chlorotoluene	19.5900	0.50	0.11	20.0000		98.0	81 - 119			
4-Chlorotoluene	19.3000	0.50	0.12	20.0000		96.5	86 - 117			
4-Isopropyltoluene	19.6800	0.50	0.11	20.0000		98.4	82 - 131			
Benzene	22.4800	0.50	0.13	20.0000		112	75 - 124			
Bromobenzene	18.7400	0.50	0.21	20.0000		93.7	82 - 108			
Bromodichloromethane	20.6100	0.50	0.14	20.0000		103	80 - 120			
Bromoform	24.0600	0.50	0.20	20.0000		120	70 - 123			
Bromomethane	17.4600	0.50	0.40	20.0000		87.3	44 - 151			
Carbon tetrachloride	23.0800	0.50	0.09	20.0000		115	62 - 140			
Chlorobenzene	19.1900	0.50	0.13	20.0000		96.0	80 - 112			
Chloroethane	19.3100	0.50	0.15	20.0000		96.6	42 - 167			
Chloroform	18.9700	0.50	0.11	20.0000		94.8	77 - 122			
Chloromethane	16.7000	0.50	0.12	20.0000		83.5	33 - 153			
cis-1,2-Dichloroethene	19.2600	0.50	0.14	20.0000		96.3	75 - 121			
cis-1,3-Dichloropropene	20.3300	0.50	0.13	20.0000		102	73 - 127			
Dibromochloromethane	19.7500	0.50	0.16	20.0000		98.8	77 - 122			
Dibromomethane	19.9800	0.50	0.19	20.0000		99.9	75 - 121			
Dichlorodifluoromethane	18.9400	0.50	0.18	20.0000		94.7	0 - 171			
Ethylbenzene	20.9500	0.50	0.13	20.0000		105	82 - 119			
Hexachlorobutadiene	19.7200	0.50	0.15	20.0000		98.6	71 - 131			
Isopropylbenzene	19.5900	0.50	0.10	20.0000		98.0	75 - 126			
m,p-Xylene	42.1500	1.0	0.19	40.0000		105	86 - 119			
Methylene chloride	19.8700	1.0	0.71	20.0000		99.4	76 - 125			
n-Butylbenzene	20.2300	0.50	0.11	20.0000		101	81 - 125			
n-Propylbenzene	20.2400	0.50	0.10	20.0000		101	78 - 130			
Naphthalene	20.7800	0.50	0.41	20.0000		104	47 - 128			
o-Xylene	21.5900	0.50	0.13	20.0000		108	85 - 119			
sec-Butylbenzene	20.0400	0.50	0.09	20.0000		100	78 - 130			
Styrene	20.9400	0.50	0.13	20.0000		105	62 - 148			
tert-Butylbenzene	19.4100	0.50	0.09	20.0000		97.0	77 - 125			
Tetrachloroethene	19.5500	0.50	0.10	20.0000		97.8	73 - 120			
Toluene	18.9800	0.50	0.12	20.0000		94.9	79 - 119			
trans-1,2-Dichloroethene	19.5500	0.50	0.09	20.0000		97.8	70 - 129			
Trichloroethene	19.5100	0.50	0.10	20.0000		97.6	73 - 117			
Trichlorofluoromethane	20.4800	0.50	0.23	20.0000		102	59 - 135			
Vinyl chloride	17.5500	0.50	0.13	20.0000		87.8	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*22.77*			*25.0000*		*91.1*	*64 - 155*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
LCS (B1B0405-BS1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
Surrogate: 4-Bromofluorobenzene	*25.97*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.92*			*25.0000*		*104*	*78 - 129*			
Surrogate: Toluene-d8	*24.12*			*25.0000*		*96.5*	*84 - 117*			
LCS Dup (B1B0405-BSD1)					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	20.6800	0.50	0.11	20.0000		103	79 - 116	2.81	20	
1,1,1-Trichloroethane	17.8400	0.50	0.21	20.0000		89.2	73 - 130	9.30	20	
1,1,2,2-Tetrachloroethane	21.0500	0.50	0.36	20.0000		105	71 - 122	3.14	20	
1,1,2-Trichloroethane	18.4800	0.50	0.25	20.0000		92.4	70 - 124	2.93	20	
1,1-Dichloroethane	16.9200	0.50	0.09	20.0000		84.6	69 - 128	5.35	20	
1,1-Dichloroethene	19.2000	0.50	0.13	20.0000		96.0	65 - 137	8.10	20	
1,1-Dichloropropene	22.1700	0.50	0.13	20.0000		111	74 - 129	6.33	20	
1,2,3-Trichloropropane	20.7800	0.50	0.39	20.0000		104	74 - 123	1.55	20	
1,2,3-Trichlorobenzene	19.1200	0.50	0.18	20.0000		95.6	59 - 130	1.97	20	
1,2,4-Trichlorobenzene	18.5600	0.50	0.16	20.0000		92.8	65 - 125	1.34	20	
1,2,4-Trimethylbenzene	19.3200	0.50	0.14	20.0000		96.6	88 - 124	3.61	20	
1,2-Dibromo-3-chloropropane	24.0300	0.50	0.41	20.0000		120	61 - 127	9.18	20	
1,2-Dibromoethane	19.7400	0.50	0.24	20.0000		98.7	72 - 125	2.75	20	
1,2-Dichlorobenzene	18.9700	0.50	0.20	20.0000		94.8	84 - 113	1.98	20	
1,2-Dichloroethane	19.5400	0.50	0.20	20.0000		97.7	68 - 130	3.86	20	
1,2-Dichloropropane	16.8800	0.50	0.15	20.0000		84.4	77 - 121	4.23	20	
1,3,5-Trimethylbenzene	19.5300	0.50	0.13	20.0000		97.6	83 - 124	2.48	20	
1,3-Dichlorobenzene	18.9000	0.50	0.16	20.0000		94.5	83 - 112	3.99	20	
1,3-Dichloropropane	21.4700	0.50	0.21	20.0000		107	77 - 119	0.983	20	
1,4-Dichlorobenzene	18.1800	0.50	0.17	20.0000		90.9	79 - 115	3.09	20	
2,2-Dichloropropane	18.5000	0.50	0.38	20.0000		92.5	67 - 149	6.94	20	
2-Chlorotoluene	19.0900	0.50	0.11	20.0000		95.4	81 - 119	2.59	20	
4-Chlorotoluene	18.8200	0.50	0.12	20.0000		94.1	86 - 117	2.52	20	
4-Isopropyltoluene	18.8900	0.50	0.11	20.0000		94.4	82 - 131	4.10	20	
Benzene	21.0700	0.50	0.13	20.0000		105	75 - 124	6.48	20	
Bromobenzene	18.5700	0.50	0.21	20.0000		92.8	82 - 108	0.911	20	
Bromodichloromethane	19.7400	0.50	0.14	20.0000		98.7	80 - 120	4.31	20	
Bromoform	24.6800	0.50	0.20	20.0000		123	70 - 123	2.54	20	L3
Bromomethane	17.4700	0.50	0.40	20.0000		87.4	44 - 151	0.0573	20	
Carbon tetrachloride	21.8800	0.50	0.09	20.0000		109	62 - 140	5.34	20	
Chlorobenzene	18.7700	0.50	0.13	20.0000		93.8	80 - 112	2.21	20	
Chloroethane	17.6700	0.50	0.15	20.0000		88.4	42 - 167	8.87	20	
Chloroform	17.8600	0.50	0.11	20.0000		89.3	77 - 122	6.03	20	
Chloromethane	16.2500	0.50	0.12	20.0000		81.2	33 - 153	2.73	20	
cis-1,2-Dichloroethene	18.5000	0.50	0.14	20.0000		92.5	75 - 121	4.03	20	
cis-1,3-Dichloropropene	20.5700	0.50	0.13	20.0000		103	73 - 127	1.17	20	
Dibromochloromethane	19.9000	0.50	0.16	20.0000		99.5	77 - 122	0.757	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 : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
LCS Dup (B1B0405-BSD1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
Dibromomethane	19.4700	0.50	0.19	20.0000		97.4	75 - 121	2.59	20	
Dichlorodifluoromethane	17.4600	0.50	0.18	20.0000		87.3	0 - 171	8.13	20	
Ethylbenzene	20.3300	0.50	0.13	20.0000		102	82 - 119	3.00	20	
Hexachlorobutadiene	18.7200	0.50	0.15	20.0000		93.6	71 - 131	5.20	20	
Isopropylbenzene	19.2200	0.50	0.10	20.0000		96.1	75 - 126	1.91	20	
m,p-Xylene	41.0600	1.0	0.19	40.0000		103	86 - 119	2.62	20	
Methylene chloride	19.1400	1.0	0.71	20.0000		95.7	76 - 125	3.74	20	
n-Butylbenzene	19.4800	0.50	0.11	20.0000		97.4	81 - 125	3.78	20	
n-Propylbenzene	19.4500	0.50	0.10	20.0000		97.2	78 - 130	3.98	20	
Naphthalene	20.6900	0.50	0.41	20.0000		103	47 - 128	0.434	20	
o-Xylene	20.6000	0.50	0.13	20.0000		103	85 - 119	4.69	20	
sec-Butylbenzene	19.2300	0.50	0.09	20.0000		96.2	78 - 130	4.13	20	
Styrene	20.0700	0.50	0.13	20.0000		100	62 - 148	4.24	20	
tert-Butylbenzene	18.7200	0.50	0.09	20.0000		93.6	77 - 125	3.62	20	
Tetrachloroethene	19.6300	0.50	0.10	20.0000		98.2	73 - 120	0.408	20	
Toluene	17.9000	0.50	0.12	20.0000		89.5	79 - 119	5.86	20	
trans-1,2-Dichloroethene	18.4100	0.50	0.09	20.0000		92.0	70 - 129	6.01	20	
Trichloroethene	18.3100	0.50	0.10	20.0000		91.6	73 - 117	6.35	20	
Trichlorofluoromethane	18.7800	0.50	0.23	20.0000		93.9	59 - 135	8.66	20	
Vinyl chloride	16.4600	0.50	0.13	20.0000		82.3	58 - 132	6.41	20	
Surrogate: 1,2-Dichloroethane-d4	*21.93*			*25.0000*		*87.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.50*			*25.0000*		*106*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.73*			*25.0000*		*98.9*	*78 - 129*			
Surrogate: Toluene-d8	*24.14*			*25.0000*		*96.6*	*84 - 117*			
Duplicate (B1B0405-DUP1)				**Source: 2100396-06**	Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11		ND			NR	20	
1,1,1-Trichloroethane	ND	0.50	0.21		ND			NR	20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36		ND			NR	20	
1,1,2-Trichloroethane	ND	0.50	0.25		ND			NR	20	
1,1-Dichloroethane	ND	0.50	0.09		ND			NR	20	
1,1-Dichloroethene	ND	0.50	0.13		ND			NR	20	
1,1-Dichloropropene	ND	0.50	0.13		ND			NR	20	
1,2,3-Trichloropropane	ND	0.50	0.39		ND			NR	20	
1,2,3-Trichlorobenzene	ND	0.50	0.18		ND			NR	20	
1,2,4-Trichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,2,4-Trimethylbenzene	ND	0.50	0.14		ND			NR	20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41		ND			NR	20	
1,2-Dibromoethane	ND	0.50	0.24		ND			NR	20	
1,2-Dichlorobenzene	ND	0.50	0.20		ND			NR	20	
1,2-Dichloroethane	ND	0.50	0.20		ND			NR	20	

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
Duplicate (B1B0405-DUP1) - Continued			**Source: 2100396-06**		Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,2-Dichloropropane	ND	0.50	0.15		ND			NR	20	
1,3,5-Trimethylbenzene	ND	0.50	0.13		ND			NR	20	
1,3-Dichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,3-Dichloropropane	ND	0.50	0.21		ND			NR	20	
1,4-Dichlorobenzene	ND	0.50	0.17		ND			NR	20	
2,2-Dichloropropane	ND	0.50	0.38		ND			NR	20	
2-Chlorotoluene	ND	0.50	0.11		ND			NR	20	
4-Chlorotoluene	ND	0.50	0.12		ND			NR	20	
4-Isopropyltoluene	ND	0.50	0.11		ND			NR	20	
Benzene	ND	0.50	0.13		ND			NR	20	
Bromobenzene	ND	0.50	0.21		ND			NR	20	
Bromodichloromethane	ND	0.50	0.14		ND			NR	20	
Bromoform	ND	0.50	0.20		ND			NR	20	
Bromomethane	ND	0.50	0.40		ND			NR	20	
Carbon tetrachloride	ND	0.50	0.09		ND			NR	20	
Chlorobenzene	ND	0.50	0.13		ND			NR	20	
Chloroethane	ND	0.50	0.15		ND			NR	20	
Chloroform	ND	0.50	0.11		ND			NR	20	
Chloromethane	ND	0.50	0.12		ND			NR	20	
cis-1,2-Dichloroethene	ND	0.50	0.14		ND			NR	20	
cis-1,3-Dichloropropene	ND	0.50	0.13		ND			NR	20	
Dibromochloromethane	ND	0.50	0.16		ND			NR	20	
Dibromomethane	ND	0.50	0.19		ND			NR	20	
Dichlorodifluoromethane	ND	0.50	0.18		ND			NR	20	
Ethylbenzene	ND	0.50	0.13		ND			NR	20	
Hexachlorobutadiene	ND	0.50	0.15		ND			NR	20	
Isopropylbenzene	ND	0.50	0.10		ND			NR	20	
m,p-Xylene	ND	1.0	0.19		ND			NR	20	
Methylene chloride	ND	1.0	0.71		ND			NR	20	
n-Butylbenzene	0.120000	0.50	0.11		ND			NR	20	J
n-Propylbenzene	ND	0.50	0.10		ND			NR	20	
Naphthalene	ND	0.50	0.41		ND			NR	20	
o-Xylene	ND	0.50	0.13		ND			NR	20	
sec-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Styrene	ND	0.50	0.13		ND			NR	20	
tert-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Tetrachloroethene	ND	0.50	0.10		ND			NR	20	
Toluene	ND	0.50	0.12		ND			NR	20	
trans-1,2-Dichloroethene	ND	0.50	0.09		ND			NR	20	
Trichloroethene	ND	0.50	0.10		ND			NR	20	
Trichlorofluoromethane	ND	0.50	0.23		ND			NR	20	
Vinyl chloride	ND	0.50	0.13		ND			NR	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 : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
Duplicate (B1B0405-DUP1) - Continued			**Source: 2100396-06**			Prepared: 2/22/2021 Analyzed: 2/22/2021				
Surrogate: 1,2-Dichloroethane-d4	*22.25*			*25.0000*		*89.0*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.49*			*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.82*			*25.0000*		*99.3*	*78 - 129*			
Surrogate: Toluene-d8	*24.30*			*25.0000*		*97.2*	*84 - 117*			
Matrix Spike (B1B0405-MS1)			**Source: 2100392-09**			Prepared: 2/22/2021 Analyzed: 2/22/2021				
1,1,1,2-Tetrachloroethane	23.9900	0.50	0.11	20.0000	ND	120	81 - 133			
1,1,1-Trichloroethane	23.0000	0.50	0.21	20.0000	ND	115	93 - 149			
1,1,2,2-Tetrachloroethane	22.2500	0.50	0.36	20.0000	ND	111	69 - 151			
1,1,2-Trichloroethane	22.1100	0.50	0.25	20.0000	ND	111	78 - 130			
1,1-Dichloroethane	20.8200	0.50	0.09	20.0000	0.580000	101	68 - 135			
1,1-Dichloroethene	97.6000	0.50	0.13	20.0000	76.5400	105	77 - 134			
1,1-Dichloropropene	28.2700	0.50	0.13	20.0000	ND	141	91 - 138			M2
1,2,3-Trichloropropane	22.3300	0.50	0.39	20.0000	ND	112	77 - 136			
1,2,3-Trichlorobenzene	21.0400	0.50	0.18	20.0000	ND	105	72 - 129			
1,2,4-Trichlorobenzene	20.8100	0.50	0.16	20.0000	ND	104	64 - 135			
1,2,4-Trimethylbenzene	22.4200	0.50	0.14	20.0000	ND	112	10 - 179			
1,2-Dibromo-3-chloropropane	23.9500	0.50	0.41	20.0000	ND	120	62 - 153			
1,2-Dibromoethane	23.0500	0.50	0.24	20.0000	ND	115	80 - 132			
1,2-Dichlorobenzene	21.7400	0.50	0.20	20.0000	ND	109	81 - 131			
1,2-Dichloroethane	23.1600	0.50	0.20	20.0000	ND	116	68 - 146			
1,2-Dichloropropane	19.6800	0.50	0.15	20.0000	ND	98.4	74 - 136			
1,3,5-Trimethylbenzene	22.5700	0.50	0.13	20.0000	ND	113	66 - 149			
1,3-Dichlorobenzene	21.8800	0.50	0.16	20.0000	ND	109	79 - 128			
1,3-Dichloropropane	23.2200	0.50	0.21	20.0000	ND	116	80 - 129			
1,4-Dichlorobenzene	20.8700	0.50	0.17	20.0000	ND	104	84 - 121			
2,2-Dichloropropane	22.9200	0.50	0.38	20.0000	ND	115	63 - 179			
2-Chlorotoluene	22.1100	0.50	0.11	20.0000	ND	111	76 - 142			
4-Chlorotoluene	22.0900	0.50	0.12	20.0000	ND	110	72 - 152			
4-Isopropyltoluene	22.4500	0.50	0.11	20.0000	ND	112	84 - 141			
Benzene	25.5600	0.50	0.13	20.0000	ND	128	79 - 131			
Bromobenzene	21.2200	0.50	0.21	20.0000	ND	106	82 - 121			
Bromodichloromethane	22.4000	0.50	0.14	20.0000	ND	112	86 - 138			
Bromoform	26.8900	0.50	0.20	20.0000	ND	134	80 - 136			
Bromomethane	23.3600	0.50	0.40	20.0000	ND	117	35 - 194			
Carbon tetrachloride	27.5900	0.50	0.09	20.0000	ND	138	73 - 176			
Chlorobenzene	21.8100	0.50	0.13	20.0000	ND	109	81 - 124			
Chloroethane	23.2200	0.50	0.15	20.0000	ND	116	0 - 257			
Chloroform	21.2700	0.50	0.11	20.0000	ND	106	76 - 139			
Chloromethane	21.4300	0.50	0.12	20.0000	ND	107	27 - 144			
cis-1,2-Dichloroethene	24.1400	0.50	0.14	20.0000	2.13000	110	69 - 139			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
Matrix Spike (B1B0405-MS1) - Continued			**Source: 2100392-09**			Prepared: 2/22/2021 Analyzed: 2/22/2021				
cis-1,3-Dichloropropene	23.3600	0.50	0.13	20.0000	ND	117	67 - 149			
Dibromochloromethane	21.4500	0.50	0.16	20.0000	ND	107	91 - 131			
Dibromomethane	21.5600	0.50	0.19	20.0000	ND	108	70 - 134			
Dichlorodifluoromethane	24.5700	0.50	0.18	20.0000	ND	123	0 - 161			
Ethylbenzene	23.3700	0.50	0.13	20.0000	ND	117	89 - 134			
Hexachlorobutadiene	22.8300	0.50	0.15	20.0000	ND	114	73 - 137			
Isopropylbenzene	22.6500	0.50	0.10	20.0000	ND	113	72 - 152			
m,p-Xylene	47.6900	1.0	0.19	40.0000	ND	119	82 - 141			
Methylene chloride	21.5900	1.0	0.71	20.0000	ND	108	74 - 133			
n-Butylbenzene	23.2700	0.50	0.11	20.0000	ND	116	65 - 164			
n-Propylbenzene	22.8400	0.50	0.10	20.0000	ND	114	73 - 161			
Naphthalene	22.8900	0.50	0.41	20.0000	ND	114	59 - 105			M2
o-Xylene	23.7900	0.50	0.13	20.0000	ND	119	90 - 134			
sec-Butylbenzene	22.9500	0.50	0.09	20.0000	ND	115	80 - 157			
Styrene	23.7500	0.50	0.13	20.0000	ND	119	0 - 222			
tert-Butylbenzene	22.1800	0.50	0.09	20.0000	ND	111	88 - 141			
Tetrachloroethene	22.8000	0.50	0.10	20.0000	ND	114	75 - 136			
Toluene	22.0300	0.50	0.12	20.0000	ND	110	82 - 132			
trans-1,2-Dichloroethene	22.7400	0.50	0.09	20.0000	ND	114	65 - 135			
Trichloroethene	38.9500	0.50	0.10	20.0000	18.3100	103	75 - 128			
Trichlorofluoromethane	25.7400	0.50	0.23	20.0000	ND	129	89 - 143			
Vinyl chloride	22.7800	0.50	0.13	20.0000	ND	114	50 - 148			
Surrogate: 1,2-Dichloroethane-d4	*23.56*			*25.0000*		*94.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.81*			*25.0000*		*107*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.41*			*25.0000*		*106*	*78 - 129*			
Surrogate: Toluene-d8	*24.95*			*25.0000*		*99.8*	*84 - 117*			
Matrix Spike Dup (B1B0405-MSD1)			**Source: 2100392-09**			Prepared: 2/22/2021 Analyzed: 2/22/2021				
1,1,1,2-Tetrachloroethane	24.2300	0.50	0.11	20.0000	ND	121	81 - 133	0.995	20	
1,1,1-Trichloroethane	22.3900	0.50	0.21	20.0000	ND	112	93 - 149	2.69	20	
1,1,2,2-Tetrachloroethane	24.1600	0.50	0.36	20.0000	ND	121	69 - 151	8.23	20	
1,1,2-Trichloroethane	21.2300	0.50	0.25	20.0000	ND	106	78 - 130	4.06	20	
1,1-Dichloroethane	20.6800	0.50	0.09	20.0000	0.580000	100	68 - 135	0.675	20	
1,1-Dichloroethene	96.0100	0.50	0.13	20.0000	76.5400	97.4	77 - 134	1.64	20	
1,1-Dichloropropene	26.6000	0.50	0.13	20.0000	ND	133	91 - 138	6.09	20	
1,2,3-Trichloropropane	23.8800	0.50	0.39	20.0000	ND	119	77 - 136	6.71	20	
1,2,3-Trichlorobenzene	21.1000	0.50	0.18	20.0000	ND	106	72 - 129	0.285	20	
1,2,4-Trichlorobenzene	21.6500	0.50	0.16	20.0000	ND	108	64 - 135	3.96	20	
1,2,4-Trimethylbenzene	22.3100	0.50	0.14	20.0000	ND	112	10 - 179	0.492	20	
1,2-Dibromo-3-chloropropane	24.0100	0.50	0.41	20.0000	ND	120	62 - 153	0.250	20	
1,2-Dibromoethane	22.3900	0.50	0.24	20.0000	ND	112	80 - 132	2.90	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 : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B1B0405-MSD1) - Continued			**Source: 2100392-09**		Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,2-Dichlorobenzene	21.3500	0.50	0.20	20.0000	ND	107	81 - 131	1.81	20	
1,2-Dichloroethane	22.3100	0.50	0.20	20.0000	ND	112	68 - 146	3.74	20	
1,2-Dichloropropane	19.6700	0.50	0.15	20.0000	ND	98.4	74 - 136	0.0508	20	
1,3,5-Trimethylbenzene	22.7200	0.50	0.13	20.0000	ND	114	66 - 149	0.662	20	
1,3-Dichlorobenzene	21.1700	0.50	0.16	20.0000	ND	106	79 - 128	3.30	20	
1,3-Dichloropropane	23.8700	0.50	0.21	20.0000	ND	119	80 - 129	2.76	20	
1,4-Dichlorobenzene	20.9100	0.50	0.17	20.0000	ND	105	84 - 121	0.191	20	
2,2-Dichloropropane	22.7100	0.50	0.38	20.0000	ND	114	63 - 179	0.920	20	
2-Chlorotoluene	21.7200	0.50	0.11	20.0000	ND	109	76 - 142	1.78	20	
4-Chlorotoluene	22.0000	0.50	0.12	20.0000	ND	110	72 - 152	0.408	20	
4-Isopropyltoluene	22.5200	0.50	0.11	20.0000	ND	113	84 - 141	0.311	20	
Benzene	24.6700	0.50	0.13	20.0000	ND	123	79 - 131	3.54	20	
Bromobenzene	21.1900	0.50	0.21	20.0000	ND	106	82 - 121	0.141	20	
Bromodichloromethane	23.0100	0.50	0.14	20.0000	ND	115	86 - 138	2.69	20	
Bromoform	27.2200	0.50	0.20	20.0000	ND	136	80 - 136	1.22	20	M2
Bromomethane	23.4900	0.50	0.40	20.0000	ND	117	35 - 194	0.555	20	
Carbon tetrachloride	26.5100	0.50	0.09	20.0000	ND	133	73 - 176	3.99	20	
Chlorobenzene	21.8000	0.50	0.13	20.0000	ND	109	81 - 124	0.0459	20	
Chloroethane	22.2700	0.50	0.15	20.0000	ND	111	0 - 257	4.18	20	
Chloroform	21.1300	0.50	0.11	20.0000	ND	106	76 - 139	0.660	20	
Chloromethane	20.1400	0.50	0.12	20.0000	ND	101	27 - 144	6.21	20	
cis-1,2-Dichloroethene	23.7400	0.50	0.14	20.0000	2.13000	108	69 - 139	1.67	20	
cis-1,3-Dichloropropene	23.8500	0.50	0.13	20.0000	ND	119	67 - 149	2.08	20	
Dibromochloromethane	22.2900	0.50	0.16	20.0000	ND	111	91 - 131	3.84	20	
Dibromomethane	21.8700	0.50	0.19	20.0000	ND	109	70 - 134	1.43	20	
Dichlorodifluoromethane	23.3000	0.50	0.18	20.0000	ND	116	0 - 161	5.31	20	
Ethylbenzene	23.5800	0.50	0.13	20.0000	ND	118	89 - 134	0.895	20	
Hexachlorobutadiene	22.4200	0.50	0.15	20.0000	ND	112	73 - 137	1.81	20	
Isopropylbenzene	22.7600	0.50	0.10	20.0000	ND	114	72 - 152	0.484	20	
m,p-Xylene	47.8900	1.0	0.19	40.0000	ND	120	82 - 141	0.418	20	
Methylene chloride	21.7500	1.0	0.71	20.0000	ND	109	74 - 133	0.738	20	
n-Butylbenzene	22.9400	0.50	0.11	20.0000	ND	115	65 - 164	1.43	20	
n-Propylbenzene	22.7400	0.50	0.10	20.0000	ND	114	73 - 161	0.439	20	
Naphthalene	23.5600	0.50	0.41	20.0000	ND	118	59 - 105	2.88	20	M2
o-Xylene	24.2500	0.50	0.13	20.0000	ND	121	90 - 134	1.92	20	
sec-Butylbenzene	22.9300	0.50	0.09	20.0000	ND	115	80 - 157	0.0872	20	
Styrene	23.2100	0.50	0.13	20.0000	ND	116	0 - 222	2.30	20	
tert-Butylbenzene	21.9700	0.50	0.09	20.0000	ND	110	88 - 141	0.951	20	
Tetrachloroethene	22.5700	0.50	0.10	20.0000	ND	113	75 - 136	1.01	20	
Toluene	21.0600	0.50	0.12	20.0000	ND	105	82 - 132	4.50	20	
trans-1,2-Dichloroethene	22.5700	0.50	0.09	20.0000	ND	113	65 - 135	0.750	20	
Trichloroethene	39.2900	0.50	0.10	20.0000	18.3100	105	75 - 128	0.869	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 : 02/25/2021

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 B1B0405 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B1B0405-MSD1) - Continued			**Source: 2100392-09**		Prepared: 2/22/2021 Analyzed: 2/22/2021					
Trichlorofluoromethane	25.3400	0.50	0.23	20.0000	ND	127	89 - 143	1.57	20	
Vinyl chloride	21.8000	0.50	0.13	20.0000	ND	109	50 - 148	4.40	20	
Surrogate: 1,2-Dichloroethane-d4	*22.82*			*25.0000*		*91.3*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.92*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.53*			*25.0000*		*102*	*78 - 129*			
Surrogate: Toluene-d8	*24.04*			*25.0000*		*96.2*	*84 - 117*			

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 : 02/25/2021

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 B1B0393 - MSSEMI_W										
Blank (B1B0393-BLK1)						Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*59.88*			*100.000*		*59.9*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*62.75*			*100.000*		*62.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*77.31*			*100.000*		*77.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*65.04*			*100.000*		*65.0*	*13 - 150*			
Blank (B1B0393-BLK2)						Prepared: 2/19/2021 Analyzed: 2/24/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*61.36*			*100.000*		*61.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*61.51*			*100.000*		*61.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*72.10*			*100.000*		*72.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*66.29*			*100.000*		*66.3*	*13 - 150*			
LCS (B1B0393-BS1)						Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	109.980	2.0	0.84	100.000		110	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*47.03*			*100.000*		*47.0*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*58.69*			*100.000*		*58.7*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.49*			*100.000*		*67.5*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*57.05*			*100.000*		*57.0*	*13 - 150*			
LCS (B1B0393-BS2)						Prepared: 2/19/2021 Analyzed: 2/24/2021				
1,4-Dioxane	114.740	2.0	0.84	100.000		115	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*46.32*			*100.000*		*46.3*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*59.50*			*100.000*		*59.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.62*			*100.000*		*67.6*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*58.36*			*100.000*		*58.4*	*13 - 150*			
Matrix Spike (B1B0393-MS1)			**Source: 2100392-09**			Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	105.570	2.0	0.84	100.000	2.51000	103	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*49.37*			*100.000*		*49.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*61.77*			*100.000*		*61.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.47*			*100.000*		*67.5*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*60.80*			*100.000*		*60.8*	*13 - 150*			
Matrix Spike Dup (B1B0393-MSD1)			**Source: 2100392-09**			Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	115.680	2.0	0.84	100.000	2.51000	113	75 - 155	9.14	20	
Surrogate: 1,2-Dichlorobenzene-d	*47.14*			*100.000*		*47.1*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*60.38*			*100.000*		*60.4*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*65.06*			*100.000*		*65.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*58.97*			*100.000*		*59.0*	*13 - 150*			

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 : 02/25/2021

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 B1B0411 - MSSEMI_W										
Blank (B1B0411-BLK1)					Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.6003*			*1.00000*		*60.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9468*			*1.00000*		*94.7*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7713*			*1.00000*		*77.1*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.4645*			*1.00000*		*46.4*	*15 - 121*			
LCS (B1B0411-BS1)					Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	1.04840	0.20	0.05	1.00000		105	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.6631*			*1.00000*		*66.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.074*			*1.00000*		*107*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8004*			*1.00000*		*80.0*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6211*			*1.00000*		*62.1*	*15 - 121*			
Matrix Spike (B1B0411-MS1)			**Source: 2100374-04**		Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	1.08968	0.20	0.05	1.00000	ND	109	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.5800*			*1.00000*		*58.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9256*			*1.00000*		*92.6*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8233*			*1.00000*		*82.3*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.5019*			*1.00000*		*50.2*	*15 - 121*			
Matrix Spike Dup (B1B0411-MSD1)			**Source: 2100374-04**		Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	3.19065	0.20	0.05	1.00000	ND	319	75 - 155	98.2	20	M1, R1
Surrogate: 1,2-Dichlorobenzene-d	*0.5627*			*1.00000*		*56.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8814*			*1.00000*		*88.1*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7138*			*1.00000*		*71.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.4664*			*1.00000*		*46.6*	*15 - 121*			

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 :	02/25/2021

Notes and Definitions

R1	RPD value outside acceptance criteria. Reanalysis not possible due to insufficient amount of sample.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L3	Laboratory control sample outside in-house established limits but within method criteria.
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

2100392

Date: 2/18/21
Page 1 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager: Steve Netto
QA Manager: Andrew Donnelly
Phone: 858.455.6500
Fax: 858.455.6533

Sampled By: Andrew Donnelly, Ryne Adams

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: NaOH/AlCl3	PRESERVATION: NaOH/Zn	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	CONTAINERS: 250-ml poly	CONTAINERS: 250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	ANALYSIS REQUESTED: CO2 by SM4500	ANALYSIS REQUESTED: Dissolved Sulfide by SM4500 S2-d	ANALYSIS REQUESTED: Total Sulfide by SM-4500 S2-d	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
2100392-01	TB-021821A	2/18/21	0800		X	X			X	2				X						X						X			Report J Flags
02	MW-26C		0914	X		X			X	3				X						X						X			
	↓		↓	X					X		1			X	X											X			
03	MW-06		1043	X		X			X	3				X						X						X			
04	P-09		1136	X		X			X	3				X						X						X			
	↓		↓	X					X		1				X											X			
05	MW-21		1325	X		X			X	3				X								X				X			
	↓		↓	X					X		1					X										X			
06	EW-01		1346	X		X			X	3				X							X					X			
	↓		↓	X					X		1					X										X			
07	MW-09		1511	X		X			X	3				X						X						X			
	↓		↓	X					X		1				X											X			
08	RB-021821		1530		X				X	3				X						X						X			
	↓		↓		X				X		1				X											X			
09	MW-32B		1616	X		X			X	9				X							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
Andrew Donnelly / H+A	2/18/21 1655	Max Rothrock	2/18/21 1655
Max Rothrock	2/18/21 1744	Kim Sant	2/18/21 1744

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

3.9 - 3.1 Temperature on receipt

SCERTII

Laboratory
ATL
Attn: Tina Nguyen
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

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.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

2100392

Date: 02-18-21
Page 2 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: DJ SEALEE, A. JANZON

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: NaOH/AlCl3	PRESERVATION: NaOH/Zn	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	CONTAINERS: 250-ml poly	CONTAINERS: 250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	ANALYSIS REQUESTED: CO2 by SM4500	ANALYSIS REQUESTED: Dissolved Sulfide by SM4500 S2-d	ANALYSIS REQUESTED: Total Sulfide by SM-4500 S2-d	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
2100392-10	MW-43	02-18-21	0852	X		X			X	3				X						X						X		
11	MW-42		1017			X				3	1			X	X						X								
12	MW-4200		1139			X				3	1			X	X						X								
13	MW-35C		1239			X				3	1			X	X					X									
14	MW-32A		1541			X				3	1			X	X					X									

Total number of containers per analysis:

Laboratory

ATL
Attn: Tina Nguyen
3257 Walnut Ave
Signal Hill, CA 90755
562-989-4045

REMARKS: Report J Flags

Total No. of Containers:

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
Andrew Donnelly / H+A	2/18/21 1655	Max Rottnek	2/18/21 1655
Max Rottnek	2/18/21 1744		2/18/21 1744

Temperature on receipt: 2.5 / 3.9 - 3 / SCERTI

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

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.

March 02, 2021

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 : 2100412
Client Reference : Raytheon Main, 532.30

Enclosed are the results for sample(s) received on February 22, 2021 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,

Edgar P. Caballero
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 :	03/02/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-022221	2100412-01	Lab Prepared Water	2/22/21 8:00	2/22/21 16:23
MW-16	2100412-02	Groundwater	2/22/21 9:31	2/22/21 16:23
MW-1600	2100412-03	Groundwater	2/22/21 9:33	2/22/21 16:23
MW-34C	2100412-04	Groundwater	2/22/21 10:51	2/22/21 16:23
MW-34B	2100412-05	Groundwater	2/22/21 11:27	2/22/21 16:23
MW-39	2100412-06	Groundwater	2/22/21 9:24	2/22/21 16:23
MW-40	2100412-07	Groundwater	2/22/21 11:00	2/22/21 16:23

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 : 03/02/2021

Client Sample ID: TB-022221

Lab ID: 2100412-01

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 12:42	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 12:42	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 12:42	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 12:42	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 12:42	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 12:42	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 12:42	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 12:42	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 12:42	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 12:42	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 12:42	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 12:42	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 12:42	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 12:42	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 12:42	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 12:42	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 12:42	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 12:42	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 12:42	
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 12:42	
Chloroform	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 12:42	
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 12:42	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 12:42	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 12:42	

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 :	03/02/2021

Client Sample ID: TB-022221

Lab ID: 2100412-01

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 12:42	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 12:42	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 12:42	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 12:42	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 12:42	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 12:42	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 12:42	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 12:42	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 12:42	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 12:42	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 12:42	
Tetrachloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 12:42	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 12:42	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 12:42	
Trichloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 12:42	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 12:42	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 12:42	
Surrogate: 1,2-Dichloroethane-d4	*88.8 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 12:42*	
Surrogate: 4-Bromofluorobenzene	*99.3 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 12:42*	
Surrogate: Dibromofluoromethane	*98.0 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 12:42*	
Surrogate: Toluene-d8	*94.1 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 12:42*	

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 : 03/02/2021

Client Sample ID: MW-16

Lab ID: 2100412-02

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 13:07	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 13:07	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 13:07	
1,1,2-Trichloroethane	**0.85**	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 13:07	
1,1-Dichloroethane	**4.8**	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:07	
1,1-Dichloroethene	**990**	50	13	100	B1B0484	02/24/2021	02/24/21 12:49	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 13:07	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 13:07	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 13:07	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 13:07	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 13:07	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 13:07	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:07	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 13:07	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:07	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 13:07	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 13:07	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 13:07	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 13:07	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:07	
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 13:07	
Chloroform	**0.34**	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:07	J
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 13:07	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 13:07	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 13:07	

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 :	03/02/2021

Client Sample ID: MW-16

Lab ID: 2100412-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 13:07	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 13:07	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 13:07	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:07	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 13:07	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 13:07	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:07	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:07	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 13:07	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:07	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:07	
Tetrachloroethene	**1.4**	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:07	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 13:07	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:07	
Trichloroethene	**5.8**	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:07	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 13:07	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:07	
Surrogate: 1,2-Dichloroethane-d4	*87.4 %*	*64 - 155*			B1B0484	02/24/2021	*02/24/21 12:49*	
Surrogate: 1,2-Dichloroethane-d4	*91.9 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 13:07*	
Surrogate: 4-Bromofluorobenzene	*98.7 %*	*73 - 124*			B1B0484	02/24/2021	*02/24/21 12:49*	
Surrogate: 4-Bromofluorobenzene	*103 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 13:07*	
Surrogate: Dibromofluoromethane	*93.1 %*	*78 - 129*			B1B0484	02/24/2021	*02/24/21 12:49*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 13:07*	
Surrogate: Toluene-d8	*93.8 %*	*84 - 117*			B1B0484	02/24/2021	*02/24/21 12:49*	
Surrogate: Toluene-d8	*97.6 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 13:07*	

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 :	03/02/2021

Client Sample ID: MW-16

Lab ID: 2100412-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**35**	2.0	0.84	1	B1B0481	02/24/2021	02/25/21 14:08	
Surrogate: 1,2-Dichlorobenzene-d4	*45.9 %*		*17 - 119*		B1B0481	02/24/2021	*02/25/21 14:08*	
Surrogate: 2-Fluorobiphenyl	*49.5 %*		*10 - 133*		B1B0481	02/24/2021	*02/25/21 14:08*	
Surrogate: 4-Terphenyl-d14	*69.4 %*		*5 - 139*		B1B0481	02/24/2021	*02/25/21 14:08*	
Surrogate: Nitrobenzene-d5	*54.2 %*		*13 - 150*		B1B0481	02/24/2021	*02/25/21 14:08*	

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 :	03/02/2021

Client Sample ID: MW-1600

Lab ID: 2100412-03

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 13:32	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 13:32	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 13:32	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 13:32	
1,1-Dichloroethane	**4.9**	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:32	
1,1-Dichloroethene	**1100**	50	13	100	B1B0484	02/24/2021	02/24/21 16:09	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2-Dichloroethane	**0.59**	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 13:32	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 13:32	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 13:32	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 13:32	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 13:32	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 13:32	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:32	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 13:32	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:32	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 13:32	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 13:32	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 13:32	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 13:32	
Carbon tetrachloride	**0.46**	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:32	J
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 13:32	
Chloroform	**0.25**	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:32	J
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 13:32	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 13:32	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 13:32	

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 :	03/02/2021

Client Sample ID: MW-1600

Lab ID: 2100412-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 13:32	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 13:32	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 13:32	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:32	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 13:32	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 13:32	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 13:32	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:32	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 13:32	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:32	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:32	
Tetrachloroethene	**1.6**	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:32	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 13:32	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 13:32	
Trichloroethene	**6.0**	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 13:32	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 13:32	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 13:32	
Surrogate: 1,2-Dichloroethane-d4	*87.4 %*	*64 - 155*			B1B0484	02/24/2021	*02/24/21 16:09*	
Surrogate: 1,2-Dichloroethane-d4	*89.1 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 13:32*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*73 - 124*			B1B0484	02/24/2021	*02/24/21 16:09*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 13:32*	
Surrogate: Dibromofluoromethane	*98.0 %*	*78 - 129*			B1B0484	02/24/2021	*02/24/21 16:09*	
Surrogate: Dibromofluoromethane	*98.5 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 13:32*	
Surrogate: Toluene-d8	*91.5 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 13:32*	
Surrogate: Toluene-d8	*95.2 %*	*84 - 117*			B1B0484	02/24/2021	*02/24/21 16:09*	

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 :	03/02/2021

Client Sample ID: MW-1600

Lab ID: 2100412-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**72**	2.0	0.84	1	B1B0481	02/24/2021	02/25/21 14:35	
Surrogate: 1,2-Dichlorobenzene-d4	*45.8 %*		*17 - 119*		B1B0481	02/24/2021	*02/25/21 14:35*	
Surrogate: 2-Fluorobiphenyl	*50.2 %*		*10 - 133*		B1B0481	02/24/2021	*02/25/21 14:35*	
Surrogate: 4-Terphenyl-d14	*69.2 %*		*5 - 139*		B1B0481	02/24/2021	*02/25/21 14:35*	
Surrogate: Nitrobenzene-d5	*52.8 %*		*13 - 150*		B1B0481	02/24/2021	*02/25/21 14:35*	

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 : 03/02/2021

Client Sample ID: MW-34C

Lab ID: 2100412-04

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

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	0.11	1	B1B0512	02/26/2021	02/26/21 13:48	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0512	02/26/2021	02/26/21 13:48	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0512	02/26/2021	02/26/21 13:48	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0512	02/26/2021	02/26/21 13:48	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0512	02/26/2021	02/26/21 13:48	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0512	02/26/2021	02/26/21 13:48	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0512	02/26/2021	02/26/21 13:48	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0512	02/26/2021	02/26/21 13:48	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0512	02/26/2021	02/26/21 13:48	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0512	02/26/2021	02/26/21 13:48	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0512	02/26/2021	02/26/21 13:48	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0512	02/26/2021	02/26/21 13:48	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0512	02/26/2021	02/26/21 13:48	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0512	02/26/2021	02/26/21 13:48	
Benzene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
Bromobenzene	ND	0.50	0.21	1	B1B0512	02/26/2021	02/26/21 13:48	
Bromodichloromethane	ND	0.50	0.14	1	B1B0512	02/26/2021	02/26/21 13:48	
Bromoform	ND	0.50	0.20	1	B1B0512	02/26/2021	02/26/21 13:48	
Bromomethane	ND	0.50	0.40	1	B1B0512	02/26/2021	02/26/21 13:48	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0512	02/26/2021	02/26/21 13:48	
Chlorobenzene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
Chloroethane	ND	0.50	0.15	1	B1B0512	02/26/2021	02/26/21 13:48	
Chloroform	ND	0.50	0.11	1	B1B0512	02/26/2021	02/26/21 13:48	
Chloromethane	ND	0.50	0.12	1	B1B0512	02/26/2021	02/26/21 13:48	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0512	02/26/2021	02/26/21 13:48	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
Dibromochloromethane	ND	0.50	0.16	1	B1B0512	02/26/2021	02/26/21 13:48	

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 :	03/02/2021

Client Sample ID: MW-34C

Lab ID: 2100412-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0512	02/26/2021	02/26/21 13:48	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0512	02/26/2021	02/26/21 13:48	
Ethylbenzene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0512	02/26/2021	02/26/21 13:48	
Isopropylbenzene	ND	0.50	0.10	1	B1B0512	02/26/2021	02/26/21 13:48	
m,p-Xylene	ND	1.0	0.19	1	B1B0512	02/26/2021	02/26/21 13:48	
Methylene chloride	ND	1.0	0.71	1	B1B0512	02/26/2021	02/26/21 13:48	
n-Butylbenzene	ND	0.50	0.11	1	B1B0512	02/26/2021	02/26/21 13:48	
n-Propylbenzene	ND	0.50	0.10	1	B1B0512	02/26/2021	02/26/21 13:48	
Naphthalene	ND	0.50	0.41	1	B1B0512	02/26/2021	02/26/21 13:48	
o-Xylene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0512	02/26/2021	02/26/21 13:48	
Styrene	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0512	02/26/2021	02/26/21 13:48	
Tetrachloroethene	ND	0.50	0.10	1	B1B0512	02/26/2021	02/26/21 13:48	
Toluene	ND	0.50	0.12	1	B1B0512	02/26/2021	02/26/21 13:48	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0512	02/26/2021	02/26/21 13:48	
Trichloroethene	ND	0.50	0.10	1	B1B0512	02/26/2021	02/26/21 13:48	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0512	02/26/2021	02/26/21 13:48	
Vinyl chloride	ND	0.50	0.13	1	B1B0512	02/26/2021	02/26/21 13:48	
Surrogate: 1,2-Dichloroethane-d4	*85.8 %*	*64 - 155*			B1B0512	02/26/2021	*02/26/21 13:48*	
Surrogate: 4-Bromofluorobenzene	*99.2 %*	*73 - 124*			B1B0512	02/26/2021	*02/26/21 13:48*	
Surrogate: Dibromofluoromethane	*96.8 %*	*78 - 129*			B1B0512	02/26/2021	*02/26/21 13:48*	
Surrogate: Toluene-d8	*93.0 %*	*84 - 117*			B1B0512	02/26/2021	*02/26/21 13:48*	

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 :	03/02/2021

Client Sample ID: MW-34C

Lab ID: 2100412-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 16:42	
Surrogate: 1,2-Dichlorobenzene-d4	*57.6 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 16:42*	
Surrogate: 2-Fluorobiphenyl	*83.1 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 16:42*	
Surrogate: 4-Terphenyl-d14	*67.1 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 16:42*	
Surrogate: Nitrobenzene-d5	*60.3 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 16:42*	

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 : 03/02/2021

Client Sample ID: MW-34B

Lab ID: 2100412-05

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 14:22	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 14:22	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 14:22	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 14:22	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:22	
1,1-Dichloroethene	**80**	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 14:22	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 14:22	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 14:22	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 14:22	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 14:22	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 14:22	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:22	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 14:22	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:22	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 14:22	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 14:22	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 14:22	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 14:22	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:22	
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 14:22	
Chloroform	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:22	
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 14:22	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 14:22	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 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 :	03/02/2021

Client Sample ID: MW-34B

Lab ID: 2100412-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 14:22	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 14:22	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 14:22	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:22	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 14:22	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 14:22	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:22	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:22	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 14:22	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:22	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:22	
Tetrachloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:22	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 14:22	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:22	
Trichloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:22	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 14:22	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:22	
Surrogate: 1,2-Dichloroethane-d4	*88.3 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 14:22*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 14:22*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 14:22*	
Surrogate: Toluene-d8	*92.0 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 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 :	03/02/2021

Client Sample ID: MW-34B

Lab ID: 2100412-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**25**	2.0	0.84	1	B1B0481	02/24/2021	02/25/21 15:02	
Surrogate: 1,2-Dichlorobenzene-d4	*48.7 %*		*17 - 119*		B1B0481	02/24/2021	*02/25/21 15:02*	
Surrogate: 2-Fluorobiphenyl	*52.8 %*		*10 - 133*		B1B0481	02/24/2021	*02/25/21 15:02*	
Surrogate: 4-Terphenyl-d14	*71.8 %*		*5 - 139*		B1B0481	02/24/2021	*02/25/21 15:02*	
Surrogate: Nitrobenzene-d5	*57.2 %*		*13 - 150*		B1B0481	02/24/2021	*02/25/21 15:02*	

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 : 03/02/2021

Client Sample ID: MW-39

Lab ID: 2100412-06

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 14:47	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 14:47	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 14:47	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 14:47	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:47	
1,1-Dichloroethene	**0.50**	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 14:47	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 14:47	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 14:47	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 14:47	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 14:47	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 14:47	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:47	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 14:47	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:47	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 14:47	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 14:47	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 14:47	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 14:47	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:47	
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 14:47	
Chloroform	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:47	
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 14:47	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 14:47	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 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 :	03/02/2021

Client Sample ID: MW-39

Lab ID: 2100412-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 14:47	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 14:47	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 14:47	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:47	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 14:47	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 14:47	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 14:47	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:47	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 14:47	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:47	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:47	
Tetrachloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:47	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 14:47	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 14:47	
Trichloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 14:47	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 14:47	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 14:47	
Surrogate: 1,2-Dichloroethane-d4	*91.6 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 14:47*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 14:47*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 14:47*	
Surrogate: Toluene-d8	*93.0 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 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 :	03/02/2021

Client Sample ID: MW-39

Lab ID: 2100412-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 17:08	
Surrogate: 1,2-Dichlorobenzene-d4	*56.6 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 17:08*	
Surrogate: 2-Fluorobiphenyl	*81.6 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 17:08*	
Surrogate: 4-Terphenyl-d14	*59.3 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 17:08*	
Surrogate: Nitrobenzene-d5	*58.2 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 17:08*	

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 : 03/02/2021

Client Sample ID: MW-40

Lab ID: 2100412-07

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 15:12	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 15:12	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 15:12	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 15:12	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 15:12	
1,1-Dichloroethene	**0.29**	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	J
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 15:12	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 15:12	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 15:12	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 15:12	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 15:12	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 15:12	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 15:12	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 15:12	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 15:12	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 15:12	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 15:12	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 15:12	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 15:12	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 15:12	
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 15:12	
Chloroform	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 15:12	
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 15:12	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 15:12	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 15:12	

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 :	03/02/2021

Client Sample ID: MW-40

Lab ID: 2100412-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 15:12	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 15:12	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 15:12	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 15:12	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 15:12	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 15:12	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 15:12	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 15:12	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 15:12	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 15:12	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 15:12	
Tetrachloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 15:12	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 15:12	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 15:12	
Trichloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 15:12	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 15:12	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 15:12	
Surrogate: 1,2-Dichloroethane-d4	*89.0 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 15:12*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 15:12*	
Surrogate: Dibromofluoromethane	*99.7 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 15:12*	
Surrogate: Toluene-d8	*90.5 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 15:12*	

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 :	03/02/2021

Client Sample ID: MW-40

Lab ID: 2100412-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**0.61**	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 17:35	
Surrogate: 1,2-Dichlorobenzene-d4	*69.1 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 17:35*	
Surrogate: 2-Fluorobiphenyl	*96.9 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 17:35*	
Surrogate: 4-Terphenyl-d14	*74.3 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 17:35*	
Surrogate: Nitrobenzene-d5	*70.7 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 17:35*	

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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W										
Blank (B1B0423-BLK1)					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Blank (B1B0423-BLK1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*22.52*			*25.0000*		*90.1*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.19*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.49*			*25.0000*		*102*	*78 - 129*			
Surrogate: Toluene-d8	*24.22*			*25.0000*		*96.9*	*84 - 117*			
LCS (B1B0423-BS1)					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	19.8300	0.50	0.11	20.0000		99.2	79 - 116			
1,1,1-Trichloroethane	18.4900	0.50	0.21	20.0000		92.4	73 - 130			
1,1,2,2-Tetrachloroethane	17.9200	0.50	0.36	20.0000		89.6	71 - 122			
1,1,2-Trichloroethane	18.0800	0.50	0.25	20.0000		90.4	70 - 124			
1,1-Dichloroethane	17.3100	0.50	0.09	20.0000		86.6	69 - 128			
1,1-Dichloroethene	19.1200	0.50	0.13	20.0000		95.6	65 - 137			
1,1-Dichloropropene	22.6600	0.50	0.13	20.0000		113	74 - 129			
1,2,3-Trichloropropane	18.4500	0.50	0.39	20.0000		92.2	74 - 123			
1,2,3-Trichlorobenzene	18.2800	0.50	0.18	20.0000		91.4	59 - 130			
1,2,4-Trichlorobenzene	18.0700	0.50	0.16	20.0000		90.4	65 - 125			
1,2,4-Trimethylbenzene	19.2800	0.50	0.14	20.0000		96.4	88 - 124			
1,2-Dibromo-3-chloropropane	19.2600	0.50	0.41	20.0000		96.3	61 - 127			
1,2-Dibromoethane	19.3700	0.50	0.24	20.0000		96.8	72 - 125			
1,2-Dichlorobenzene	18.6000	0.50	0.20	20.0000		93.0	84 - 113			
1,2-Dichloroethane	19.5300	0.50	0.20	20.0000		97.6	68 - 130			
1,2-Dichloropropane	16.5600	0.50	0.15	20.0000		82.8	77 - 121			
1,3,5-Trimethylbenzene	19.5700	0.50	0.13	20.0000		97.8	83 - 124			

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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
LCS (B1B0423-BS1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,3-Dichlorobenzene	18.8500	0.50	0.16	20.0000		94.2	83 - 112			
1,3-Dichloropropane	19.5600	0.50	0.21	20.0000		97.8	77 - 119			
1,4-Dichlorobenzene	18.0100	0.50	0.17	20.0000		90.0	79 - 115			
2,2-Dichloropropane	19.0100	0.50	0.38	20.0000		95.0	67 - 149			
2-Chlorotoluene	18.9400	0.50	0.11	20.0000		94.7	81 - 119			
4-Chlorotoluene	18.7300	0.50	0.12	20.0000		93.6	86 - 117			
4-Isopropyltoluene	19.1200	0.50	0.11	20.0000		95.6	82 - 131			
Benzene	22.2000	0.50	0.13	20.0000		111	75 - 124			
Bromobenzene	18.4400	0.50	0.21	20.0000		92.2	82 - 108			
Bromodichloromethane	18.9400	0.50	0.14	20.0000		94.7	80 - 120			
Bromoform	22.2100	0.50	0.20	20.0000		111	70 - 123			
Bromomethane	20.4800	0.50	0.40	20.0000		102	44 - 151			
Carbon tetrachloride	22.3300	0.50	0.09	20.0000		112	62 - 140			
Chlorobenzene	18.8600	0.50	0.13	20.0000		94.3	80 - 112			
Chloroethane	18.2600	0.50	0.15	20.0000		91.3	42 - 167			
Chloroform	17.5900	0.50	0.11	20.0000		88.0	77 - 122			
Chloromethane	17.7600	0.50	0.12	20.0000		88.8	33 - 153			
cis-1,2-Dichloroethene	18.5400	0.50	0.14	20.0000		92.7	75 - 121			
cis-1,3-Dichloropropene	19.0700	0.50	0.13	20.0000		95.4	73 - 127			
Dibromochloromethane	18.2100	0.50	0.16	20.0000		91.0	77 - 122			
Dibromomethane	18.4500	0.50	0.19	20.0000		92.2	75 - 121			
Dichlorodifluoromethane	19.4000	0.50	0.18	20.0000		97.0	0 - 171			
Ethylbenzene	20.1500	0.50	0.13	20.0000		101	82 - 119			
Hexachlorobutadiene	19.4900	0.50	0.15	20.0000		97.4	71 - 131			
Isopropylbenzene	19.1100	0.50	0.10	20.0000		95.6	75 - 126			
m,p-Xylene	41.1500	1.0	0.19	40.0000		103	86 - 119			
Methylene chloride	18.7700	1.0	0.71	20.0000		93.8	76 - 125			
n-Butylbenzene	19.9100	0.50	0.11	20.0000		99.6	81 - 125			
n-Propylbenzene	19.6700	0.50	0.10	20.0000		98.4	78 - 130			
Naphthalene	18.7400	0.50	0.41	20.0000		93.7	47 - 128			
o-Xylene	20.8200	0.50	0.13	20.0000		104	85 - 119			
sec-Butylbenzene	19.4400	0.50	0.09	20.0000		97.2	78 - 130			
Styrene	20.4900	0.50	0.13	20.0000		102	62 - 148			
tert-Butylbenzene	18.6300	0.50	0.09	20.0000		93.2	77 - 125			
Tetrachloroethene	19.7700	0.50	0.10	20.0000		98.8	73 - 120			
Toluene	18.4200	0.50	0.12	20.0000		92.1	79 - 119			
trans-1,2-Dichloroethene	18.7600	0.50	0.09	20.0000		93.8	70 - 129			
Trichloroethene	18.9600	0.50	0.10	20.0000		94.8	73 - 117			
Trichlorofluoromethane	19.4900	0.50	0.23	20.0000		97.4	59 - 135			
Vinyl chloride	17.5800	0.50	0.13	20.0000		87.9	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.82*			*25.0000*		*87.3*	*64 - 155*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
LCS (B1B0423-BS1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
Surrogate: 4-Bromofluorobenzene	*26.41*			*25.0000*		*106*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.81*			*25.0000*		*99.2*	*78 - 129*			
Surrogate: Toluene-d8	*24.13*			*25.0000*		*96.5*	*84 - 117*			
LCS Dup (B1B0423-BSD1)					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	21.3000	0.50	0.11	20.0000		106	79 - 116	7.15	20	
1,1,1-Trichloroethane	20.4600	0.50	0.21	20.0000		102	73 - 130	10.1	20	
1,1,2,2-Tetrachloroethane	20.3400	0.50	0.36	20.0000		102	71 - 122	12.7	20	
1,1,2-Trichloroethane	20.7500	0.50	0.25	20.0000		104	70 - 124	13.8	20	
1,1-Dichloroethane	19.1100	0.50	0.09	20.0000		95.6	69 - 128	9.88	20	
1,1-Dichloroethene	21.3000	0.50	0.13	20.0000		106	65 - 137	10.8	20	
1,1-Dichloropropene	24.4300	0.50	0.13	20.0000		122	74 - 129	7.52	20	
1,2,3-Trichloropropane	20.1300	0.50	0.39	20.0000		101	74 - 123	8.71	20	
1,2,3-Trichlorobenzene	19.6500	0.50	0.18	20.0000		98.2	59 - 130	7.22	20	
1,2,4-Trichlorobenzene	19.2200	0.50	0.16	20.0000		96.1	65 - 125	6.17	20	
1,2,4-Trimethylbenzene	19.8600	0.50	0.14	20.0000		99.3	88 - 124	2.96	20	
1,2-Dibromo-3-chloropropane	22.4300	0.50	0.41	20.0000		112	61 - 127	15.2	20	
1,2-Dibromoethane	21.6100	0.50	0.24	20.0000		108	72 - 125	10.9	20	
1,2-Dichlorobenzene	19.7200	0.50	0.20	20.0000		98.6	84 - 113	5.85	20	
1,2-Dichloroethane	21.4900	0.50	0.20	20.0000		107	68 - 130	9.56	20	
1,2-Dichloropropane	18.3300	0.50	0.15	20.0000		91.6	77 - 121	10.1	20	
1,3,5-Trimethylbenzene	19.7100	0.50	0.13	20.0000		98.6	83 - 124	0.713	20	
1,3-Dichlorobenzene	19.6900	0.50	0.16	20.0000		98.4	83 - 112	4.36	20	
1,3-Dichloropropane	22.0500	0.50	0.21	20.0000		110	77 - 119	12.0	20	
1,4-Dichlorobenzene	18.8900	0.50	0.17	20.0000		94.4	79 - 115	4.77	20	
2,2-Dichloropropane	20.9500	0.50	0.38	20.0000		105	67 - 149	9.71	20	
2-Chlorotoluene	19.9600	0.50	0.11	20.0000		99.8	81 - 119	5.24	20	
4-Chlorotoluene	19.4500	0.50	0.12	20.0000		97.2	86 - 117	3.77	20	
4-Isopropyltoluene	19.7100	0.50	0.11	20.0000		98.6	82 - 131	3.04	20	
Benzene	22.5600	0.50	0.13	20.0000		113	75 - 124	1.61	20	
Bromobenzene	19.1500	0.50	0.21	20.0000		95.8	82 - 108	3.78	20	
Bromodichloromethane	21.0500	0.50	0.14	20.0000		105	80 - 120	10.6	20	
Bromoform	24.5400	0.50	0.20	20.0000		123	70 - 123	9.97	20	
Bromomethane	23.3500	0.50	0.40	20.0000		117	44 - 151	13.1	20	
Carbon tetrachloride	23.6800	0.50	0.09	20.0000		118	62 - 140	5.87	20	
Chlorobenzene	19.5100	0.50	0.13	20.0000		97.6	80 - 112	3.39	20	
Chloroethane	20.3500	0.50	0.15	20.0000		102	42 - 167	10.8	20	
Chloroform	20.1900	0.50	0.11	20.0000		101	77 - 122	13.8	20	
Chloromethane	20.5500	0.50	0.12	20.0000		103	33 - 153	14.6	20	
cis-1,2-Dichloroethene	21.0700	0.50	0.14	20.0000		105	75 - 121	12.8	20	
cis-1,3-Dichloropropene	21.0700	0.50	0.13	20.0000		105	73 - 127	9.97	20	
Dibromochloromethane	20.1900	0.50	0.16	20.0000		101	77 - 122	10.3	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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
LCS Dup (B1B0423-BSD1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
Dibromomethane	20.5200	0.50	0.19	20.0000		103	75 - 121	10.6	20	
Dichlorodifluoromethane	21.1400	0.50	0.18	20.0000		106	0 - 171	8.58	20	
Ethylbenzene	21.3700	0.50	0.13	20.0000		107	82 - 119	5.88	20	
Hexachlorobutadiene	19.5400	0.50	0.15	20.0000		97.7	71 - 131	0.256	20	
Isopropylbenzene	19.9100	0.50	0.10	20.0000		99.6	75 - 126	4.10	20	
m,p-Xylene	42.9000	1.0	0.19	40.0000		107	86 - 119	4.16	20	
Methylene chloride	21.3700	1.0	0.71	20.0000		107	76 - 125	13.0	20	
n-Butylbenzene	20.3000	0.50	0.11	20.0000		102	81 - 125	1.94	20	
n-Propylbenzene	20.0400	0.50	0.10	20.0000		100	78 - 130	1.86	20	
Naphthalene	20.8200	0.50	0.41	20.0000		104	47 - 128	10.5	20	
o-Xylene	22.0600	0.50	0.13	20.0000		110	85 - 119	5.78	20	
sec-Butylbenzene	20.0400	0.50	0.09	20.0000		100	78 - 130	3.04	20	
Styrene	21.6900	0.50	0.13	20.0000		108	62 - 148	5.69	20	
tert-Butylbenzene	19.3900	0.50	0.09	20.0000		97.0	77 - 125	4.00	20	
Tetrachloroethene	20.7400	0.50	0.10	20.0000		104	73 - 120	4.79	20	
Toluene	19.7400	0.50	0.12	20.0000		98.7	79 - 119	6.92	20	
trans-1,2-Dichloroethene	20.8900	0.50	0.09	20.0000		104	70 - 129	10.7	20	
Trichloroethene	18.6000	0.50	0.10	20.0000		93.0	73 - 117	1.92	20	
Trichlorofluoromethane	21.3700	0.50	0.23	20.0000		107	59 - 135	9.20	20	
Vinyl chloride	19.1600	0.50	0.13	20.0000		95.8	58 - 132	8.60	20	
Surrogate: 1,2-Dichloroethane-d4	*23.43*			*25.0000*		*93.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.56*			*25.0000*		*106*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.84*			*25.0000*		*107*	*78 - 129*			
Surrogate: Toluene-d8	*25.14*			*25.0000*		*101*	*84 - 117*			
Duplicate (B1B0423-DUP1)				**Source: 2100417-01**	Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11		ND			NR	20	
1,1,1-Trichloroethane	ND	0.50	0.21		ND			NR	20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36		ND			NR	20	
1,1,2-Trichloroethane	ND	0.50	0.25		ND			NR	20	
1,1-Dichloroethane	ND	0.50	0.09		ND			NR	20	
1,1-Dichloroethene	ND	0.50	0.13		ND			NR	20	
1,1-Dichloropropene	ND	0.50	0.13		ND			NR	20	
1,2,3-Trichloropropane	ND	0.50	0.39		ND			NR	20	
1,2,3-Trichlorobenzene	ND	0.50	0.18		ND			NR	20	
1,2,4-Trichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,2,4-Trimethylbenzene	ND	0.50	0.14		ND			NR	20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41		ND			NR	20	
1,2-Dibromoethane	ND	0.50	0.24		ND			NR	20	
1,2-Dichlorobenzene	ND	0.50	0.20		ND			NR	20	
1,2-Dichloroethane	ND	0.50	0.20		ND			NR	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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Duplicate (B1B0423-DUP1) - Continued			**Source: 2100417-01**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,2-Dichloropropane	ND	0.50	0.15		ND			NR	20	
1,3,5-Trimethylbenzene	ND	0.50	0.13		ND			NR	20	
1,3-Dichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,3-Dichloropropane	ND	0.50	0.21		ND			NR	20	
1,4-Dichlorobenzene	ND	0.50	0.17		ND			NR	20	
2,2-Dichloropropane	ND	0.50	0.38		ND			NR	20	
2-Chlorotoluene	ND	0.50	0.11		ND			NR	20	
4-Chlorotoluene	ND	0.50	0.12		ND			NR	20	
4-Isopropyltoluene	ND	0.50	0.11		ND			NR	20	
Benzene	ND	0.50	0.13		ND			NR	20	
Bromobenzene	ND	0.50	0.21		ND			NR	20	
Bromodichloromethane	8.07000	0.50	0.14		7.99000			0.996	20	
Bromoform	ND	0.50	0.20		ND			NR	20	
Bromomethane	ND	0.50	0.40		ND			NR	20	
Carbon tetrachloride	0.420000	0.50	0.09		0.410000			2.41	20	J
Chlorobenzene	ND	0.50	0.13		ND			NR	20	
Chloroethane	ND	0.50	0.15		ND			NR	20	
Chloroform	19.0700	0.50	0.11		18.7800			1.53	20	
Chloromethane	ND	0.50	0.12		ND			NR	20	
cis-1,2-Dichloroethene	ND	0.50	0.14		ND			NR	20	
cis-1,3-Dichloropropene	ND	0.50	0.13		ND			NR	20	
Dibromochloromethane	2.36000	0.50	0.16		2.13000			10.2	20	
Dibromomethane	ND	0.50	0.19		ND			NR	20	
Dichlorodifluoromethane	ND	0.50	0.18		ND			NR	20	
Ethylbenzene	ND	0.50	0.13		ND			NR	20	
Hexachlorobutadiene	ND	0.50	0.15		ND			NR	20	
Isopropylbenzene	ND	0.50	0.10		ND			NR	20	
m,p-Xylene	ND	1.0	0.19		ND			NR	20	
Methylene chloride	0.730000	1.0	0.71		0.720000			1.38	20	J
n-Butylbenzene	ND	0.50	0.11		ND			NR	20	
n-Propylbenzene	ND	0.50	0.10		ND			NR	20	
Naphthalene	ND	0.50	0.41		ND			NR	20	
o-Xylene	ND	0.50	0.13		ND			NR	20	
sec-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Styrene	ND	0.50	0.13		ND			NR	20	
tert-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Tetrachloroethene	ND	0.50	0.10		ND			NR	20	
Toluene	ND	0.50	0.12		ND			NR	20	
trans-1,2-Dichloroethene	ND	0.50	0.09		ND			NR	20	
Trichloroethene	ND	0.50	0.10		ND			NR	20	
Trichlorofluoromethane	ND	0.50	0.23		ND			NR	20	
Vinyl chloride	ND	0.50	0.13		ND			NR	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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Duplicate (B1B0423-DUP1) - Continued			**Source: 2100417-01**			Prepared: 2/23/2021 Analyzed: 2/23/2021				
Surrogate: 1,2-Dichloroethane-d4	*21.91*			*25.0000*		*87.6*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.44*			*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.37*			*25.0000*		*101*	*78 - 129*			
Surrogate: Toluene-d8	*24.45*			*25.0000*		*97.8*	*84 - 117*			
Matrix Spike (B1B0423-MS1)			**Source: 2100412-07**			Prepared: 2/23/2021 Analyzed: 2/23/2021				
1,1,1,2-Tetrachloroethane	15.9200	0.50	0.11	20.0000	ND	79.6	81 - 133			M2
1,1,1-Trichloroethane	15.9600	0.50	0.21	20.0000	ND	79.8	93 - 149			M2
1,1,2,2-Tetrachloroethane	14.5400	0.50	0.36	20.0000	ND	72.7	69 - 151			
1,1,2-Trichloroethane	14.1400	0.50	0.25	20.0000	ND	70.7	78 - 130			M2
1,1-Dichloroethane	14.7900	0.50	0.09	20.0000	ND	74.0	68 - 135			
1,1-Dichloroethene	17.2100	0.50	0.13	20.0000	0.290000	84.6	77 - 134			
1,1-Dichloropropene	19.3800	0.50	0.13	20.0000	ND	96.9	91 - 138			
1,2,3-Trichloropropane	14.5800	0.50	0.39	20.0000	ND	72.9	77 - 136			M2
1,2,3-Trichlorobenzene	14.6700	0.50	0.18	20.0000	ND	73.4	72 - 129			
1,2,4-Trichlorobenzene	14.5500	0.50	0.16	20.0000	ND	72.8	64 - 135			
1,2,4-Trimethylbenzene	15.9200	0.50	0.14	20.0000	ND	79.6	10 - 179			
1,2-Dibromo-3-chloropropane	15.1600	0.50	0.41	20.0000	ND	75.8	62 - 153			
1,2-Dibromoethane	14.2000	0.50	0.24	20.0000	ND	71.0	80 - 132			M2
1,2-Dichlorobenzene	14.7900	0.50	0.20	20.0000	ND	74.0	81 - 131			M2
1,2-Dichloroethane	15.7300	0.50	0.20	20.0000	ND	78.6	68 - 146			
1,2-Dichloropropane	13.6500	0.50	0.15	20.0000	ND	68.2	74 - 136			M2
1,3,5-Trimethylbenzene	16.1900	0.50	0.13	20.0000	ND	81.0	66 - 149			
1,3-Dichlorobenzene	15.2400	0.50	0.16	20.0000	ND	76.2	79 - 128			M2
1,3-Dichloropropane	15.8100	0.50	0.21	20.0000	ND	79.0	80 - 129			M2
1,4-Dichlorobenzene	14.6400	0.50	0.17	20.0000	ND	73.2	84 - 121			M2
2,2-Dichloropropane	16.6300	0.50	0.38	20.0000	ND	83.2	63 - 179			
2-Chlorotoluene	15.5000	0.50	0.11	20.0000	ND	77.5	76 - 142			
4-Chlorotoluene	15.4000	0.50	0.12	20.0000	ND	77.0	72 - 152			
4-Isopropyltoluene	15.9600	0.50	0.11	20.0000	ND	79.8	84 - 141			M2
Benzene	17.3200	0.50	0.13	20.0000	ND	86.6	79 - 131			
Bromobenzene	14.5600	0.50	0.21	20.0000	ND	72.8	82 - 121			M2
Bromodichloromethane	15.1800	0.50	0.14	20.0000	ND	75.9	86 - 138			M2
Bromoform	16.9300	0.50	0.20	20.0000	ND	84.6	80 - 136			
Bromomethane	17.0700	0.50	0.40	20.0000	ND	85.4	35 - 194			
Carbon tetrachloride	18.7100	0.50	0.09	20.0000	ND	93.6	73 - 176			
Chlorobenzene	14.9800	0.50	0.13	20.0000	ND	74.9	81 - 124			M2
Chloroethane	14.0000	0.50	0.15	20.0000	ND	70.0	0 - 257			
Chloroform	15.1500	0.50	0.11	20.0000	ND	75.8	76 - 139			M2
Chloromethane	13.6400	0.50	0.12	20.0000	ND	68.2	27 - 144			
cis-1,2-Dichloroethene	15.9500	0.50	0.14	20.0000	ND	79.8	69 - 139			

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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Matrix Spike (B1B0423-MS1) - Continued			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
cis-1,3-Dichloropropene	15.3800	0.50	0.13	20.0000	ND	76.9	67 - 149			
Dibromochloromethane	14.3300	0.50	0.16	20.0000	ND	71.6	91 - 131			M2
Dibromomethane	14.8500	0.50	0.19	20.0000	ND	74.2	70 - 134			
Dichlorodifluoromethane	15.5500	0.50	0.18	20.0000	ND	77.8	0 - 161			
Ethylbenzene	16.4100	0.50	0.13	20.0000	ND	82.0	89 - 134			M2
Hexachlorobutadiene	15.9900	0.50	0.15	20.0000	ND	80.0	73 - 137			
Isopropylbenzene	16.2800	0.50	0.10	20.0000	ND	81.4	72 - 152			
m,p-Xylene	33.6800	1.0	0.19	40.0000	ND	84.2	82 - 141			
Methylene chloride	15.8900	1.0	0.71	20.0000	ND	79.4	74 - 133			
n-Butylbenzene	16.7100	0.50	0.11	20.0000	ND	83.6	65 - 164			
n-Propylbenzene	16.4500	0.50	0.10	20.0000	ND	82.2	73 - 161			
Naphthalene	14.5200	0.50	0.41	20.0000	ND	72.6	59 - 105			
o-Xylene	16.8400	0.50	0.13	20.0000	ND	84.2	90 - 134			M2
sec-Butylbenzene	16.3100	0.50	0.09	20.0000	ND	81.6	80 - 157			
Styrene	16.2800	0.50	0.13	20.0000	ND	81.4	0 - 222			
tert-Butylbenzene	15.8500	0.50	0.09	20.0000	ND	79.2	88 - 141			M2
Tetrachloroethene	16.5800	0.50	0.10	20.0000	ND	82.9	75 - 136			
Toluene	14.6600	0.50	0.12	20.0000	ND	73.3	82 - 132			M2
trans-1,2-Dichloroethene	16.3400	0.50	0.09	20.0000	ND	81.7	65 - 135			
Trichloroethene	15.2000	0.50	0.10	20.0000	ND	76.0	75 - 128			
Trichlorofluoromethane	15.0100	0.50	0.23	20.0000	ND	75.0	89 - 143			M2
Vinyl chloride	13.7900	0.50	0.13	20.0000	ND	69.0	50 - 148			
Surrogate: 1,2-Dichloroethane-d4	*22.55*			*25.0000*		*90.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.90*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.37*			*25.0000*		*105*	*78 - 129*			
Surrogate: Toluene-d8	*24.26*			*25.0000*		*97.0*	*84 - 117*			
Matrix Spike Dup (B1B0423-MSD1)			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	18.2900	0.50	0.11	20.0000	ND	91.4	81 - 133	13.9	20	
1,1,1-Trichloroethane	18.0600	0.50	0.21	20.0000	ND	90.3	93 - 149	12.3	20	M2
1,1,2,2-Tetrachloroethane	17.8600	0.50	0.36	20.0000	ND	89.3	69 - 151	20.5	20	R
1,1,2-Trichloroethane	16.7200	0.50	0.25	20.0000	ND	83.6	78 - 130	16.7	20	
1,1-Dichloroethane	16.7300	0.50	0.09	20.0000	ND	83.6	68 - 135	12.3	20	
1,1-Dichloroethene	19.6400	0.50	0.13	20.0000	0.290000	96.8	77 - 134	13.2	20	
1,1-Dichloropropene	21.8800	0.50	0.13	20.0000	ND	109	91 - 138	12.1	20	
1,2,3-Trichloropropane	17.7800	0.50	0.39	20.0000	ND	88.9	77 - 136	19.8	20	
1,2,3-Trichlorobenzene	16.8800	0.50	0.18	20.0000	ND	84.4	72 - 129	14.0	20	
1,2,4-Trichlorobenzene	16.9100	0.50	0.16	20.0000	ND	84.6	64 - 135	15.0	20	
1,2,4-Trimethylbenzene	17.9700	0.50	0.14	20.0000	ND	89.8	10 - 179	12.1	20	
1,2-Dibromo-3-chloropropane	17.8300	0.50	0.41	20.0000	ND	89.2	62 - 153	16.2	20	
1,2-Dibromoethane	17.4200	0.50	0.24	20.0000	ND	87.1	80 - 132	20.4	20	R

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B1B0423-MSD1) - Continued			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,2-Dichlorobenzene	17.2800	0.50	0.20	20.0000	ND	86.4	81 - 131	15.5	20	
1,2-Dichloroethane	17.5800	0.50	0.20	20.0000	ND	87.9	68 - 146	11.1	20	
1,2-Dichloropropane	15.7300	0.50	0.15	20.0000	ND	78.6	74 - 136	14.2	20	
1,3,5-Trimethylbenzene	18.3500	0.50	0.13	20.0000	ND	91.8	66 - 149	12.5	20	
1,3-Dichlorobenzene	17.5000	0.50	0.16	20.0000	ND	87.5	79 - 128	13.8	20	
1,3-Dichloropropane	18.2700	0.50	0.21	20.0000	ND	91.4	80 - 129	14.4	20	
1,4-Dichlorobenzene	16.8100	0.50	0.17	20.0000	ND	84.0	84 - 121	13.8	20	
2,2-Dichloropropane	18.7100	0.50	0.38	20.0000	ND	93.6	63 - 179	11.8	20	
2-Chlorotoluene	17.5800	0.50	0.11	20.0000	ND	87.9	76 - 142	12.6	20	
4-Chlorotoluene	17.4200	0.50	0.12	20.0000	ND	87.1	72 - 152	12.3	20	
4-Isopropyltoluene	17.9200	0.50	0.11	20.0000	ND	89.6	84 - 141	11.6	20	
Benzene	19.9900	0.50	0.13	20.0000	ND	100	79 - 131	14.3	20	
Bromobenzene	16.3700	0.50	0.21	20.0000	ND	81.8	82 - 121	11.7	20	M2
Bromodichloromethane	17.6000	0.50	0.14	20.0000	ND	88.0	86 - 138	14.8	20	
Bromoform	20.3500	0.50	0.20	20.0000	ND	102	80 - 136	18.3	20	
Bromomethane	18.4200	0.50	0.40	20.0000	ND	92.1	35 - 194	7.61	20	
Carbon tetrachloride	20.9800	0.50	0.09	20.0000	ND	105	73 - 176	11.4	20	
Chlorobenzene	16.9300	0.50	0.13	20.0000	ND	84.6	81 - 124	12.2	20	
Chloroethane	16.0800	0.50	0.15	20.0000	ND	80.4	0 - 257	13.8	20	
Chloroform	17.0400	0.50	0.11	20.0000	ND	85.2	76 - 139	11.7	20	
Chloromethane	15.8900	0.50	0.12	20.0000	ND	79.4	27 - 144	15.2	20	
cis-1,2-Dichloroethene	18.2300	0.50	0.14	20.0000	ND	91.2	69 - 139	13.3	20	
cis-1,3-Dichloropropene	17.7100	0.50	0.13	20.0000	ND	88.6	67 - 149	14.1	20	
Dibromochloromethane	16.3100	0.50	0.16	20.0000	ND	81.6	91 - 131	12.9	20	M2
Dibromomethane	17.0700	0.50	0.19	20.0000	ND	85.4	70 - 134	13.9	20	
Dichlorodifluoromethane	18.3800	0.50	0.18	20.0000	ND	91.9	0 - 161	16.7	20	
Ethylbenzene	18.6700	0.50	0.13	20.0000	ND	93.4	89 - 134	12.9	20	
Hexachlorobutadiene	17.9000	0.50	0.15	20.0000	ND	89.5	73 - 137	11.3	20	
Isopropylbenzene	18.1000	0.50	0.10	20.0000	ND	90.5	72 - 152	10.6	20	
m,p-Xylene	37.6600	1.0	0.19	40.0000	ND	94.2	82 - 141	11.2	20	
Methylene chloride	17.9300	1.0	0.71	20.0000	ND	89.6	74 - 133	12.1	20	
n-Butylbenzene	18.4500	0.50	0.11	20.0000	ND	92.2	65 - 164	9.90	20	
n-Propylbenzene	18.3900	0.50	0.10	20.0000	ND	92.0	73 - 161	11.1	20	
Naphthalene	17.7200	0.50	0.41	20.0000	ND	88.6	59 - 105	19.9	20	
o-Xylene	18.5300	0.50	0.13	20.0000	ND	92.6	90 - 134	9.56	20	
sec-Butylbenzene	18.3700	0.50	0.09	20.0000	ND	91.8	80 - 157	11.9	20	
Styrene	18.1200	0.50	0.13	20.0000	ND	90.6	0 - 222	10.7	20	
tert-Butylbenzene	17.6700	0.50	0.09	20.0000	ND	88.4	88 - 141	10.9	20	
Tetrachloroethene	18.4400	0.50	0.10	20.0000	ND	92.2	75 - 136	10.6	20	
Toluene	16.8200	0.50	0.12	20.0000	ND	84.1	82 - 132	13.7	20	
trans-1,2-Dichloroethene	18.6000	0.50	0.09	20.0000	ND	93.0	65 - 135	12.9	20	
Trichloroethene	17.2800	0.50	0.10	20.0000	ND	86.4	75 - 128	12.8	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 : 03/02/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B1B0423-MSD1) - Continued			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
Trichlorofluoromethane	17.8800	0.50	0.23	20.0000	ND	89.4	89 - 143	17.5	20	
Vinyl chloride	15.8000	0.50	0.13	20.0000	ND	79.0	50 - 148	13.6	20	
Surrogate: 1,2-Dichloroethane-d4	*22.62*			*25.0000*		*90.5*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.03*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.27*			*25.0000*		*105*	*78 - 129*			
Surrogate: Toluene-d8	*24.01*			*25.0000*		*96.0*	*84 - 117*			

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 : 03/02/2021

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 B1B0484 - MSVOA_LL_W										
Blank (B1B0484-BLK1)					Prepared: 2/24/2021 Analyzed: 2/24/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0484 - MSVOA_LL_W (continued)										
Blank (B1B0484-BLK1) - Continued					Prepared: 2/24/2021 Analyzed: 2/24/2021					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*21.64*			*25.0000*		*86.6*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.92*			*25.0000*		*99.7*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.46*			*25.0000*		*93.8*	*78 - 129*			
Surrogate: Toluene-d8	*23.25*			*25.0000*		*93.0*	*84 - 117*			
LCS (B1B0484-BS1)					Prepared: 2/24/2021 Analyzed: 2/24/2021					
1,1,1,2-Tetrachloroethane	20.7200	0.50	0.11	20.0000		104	79 - 116			
1,1,1-Trichloroethane	18.1200	0.50	0.21	20.0000		90.6	73 - 130			
1,1,2,2-Tetrachloroethane	20.8600	0.50	0.36	20.0000		104	71 - 122			
1,1,2-Trichloroethane	19.6500	0.50	0.25	20.0000		98.2	70 - 124			
1,1-Dichloroethane	17.0700	0.50	0.09	20.0000		85.4	69 - 128			
1,1-Dichloroethene	18.8900	0.50	0.13	20.0000		94.4	65 - 137			
1,1-Dichloropropene	21.5400	0.50	0.13	20.0000		108	74 - 129			
1,2,3-Trichloropropane	20.4100	0.50	0.39	20.0000		102	74 - 123			
1,2,3-Trichlorobenzene	19.7100	0.50	0.18	20.0000		98.6	59 - 130			
1,2,4-Trichlorobenzene	18.9400	0.50	0.16	20.0000		94.7	65 - 125			
1,2,4-Trimethylbenzene	19.8700	0.50	0.14	20.0000		99.4	88 - 124			
1,2-Dibromo-3-chloropropane	21.9100	0.50	0.41	20.0000		110	61 - 127			
1,2-Dibromoethane	19.8600	0.50	0.24	20.0000		99.3	72 - 125			
1,2-Dichlorobenzene	19.5800	0.50	0.20	20.0000		97.9	84 - 113			
1,2-Dichloroethane	18.9200	0.50	0.20	20.0000		94.6	68 - 130			
1,2-Dichloropropane	17.0300	0.50	0.15	20.0000		85.2	77 - 121			
1,3,5-Trimethylbenzene	20.0000	0.50	0.13	20.0000		100	83 - 124			
1,3-Dichlorobenzene	19.2700	0.50	0.16	20.0000		96.4	83 - 112			
1,3-Dichloropropane	20.9400	0.50	0.21	20.0000		105	77 - 119			

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 : 03/02/2021

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 B1B0484 - MSVOA_LL_W (continued)										
LCS (B1B0484-BS1) - Continued					Prepared: 2/24/2021 Analyzed: 2/24/2021					
1,4-Dichlorobenzene	19.0200	0.50	0.17	20.0000		95.1	79 - 115			
2,2-Dichloropropane	18.3500	0.50	0.38	20.0000		91.8	67 - 149			
2-Chlorotoluene	19.5400	0.50	0.11	20.0000		97.7	81 - 119			
4-Chlorotoluene	19.4800	0.50	0.12	20.0000		97.4	86 - 117			
4-Isopropyltoluene	19.5900	0.50	0.11	20.0000		98.0	82 - 131			
Benzene	20.8900	0.50	0.13	20.0000		104	75 - 124			
Bromobenzene	19.3800	0.50	0.21	20.0000		96.9	82 - 108			
Bromodichloromethane	19.2000	0.50	0.14	20.0000		96.0	80 - 120			
Bromoform	23.2700	0.50	0.20	20.0000		116	70 - 123			
Bromomethane	19.2600	0.50	0.40	20.0000		96.3	44 - 151			
Carbon tetrachloride	20.7900	0.50	0.09	20.0000		104	62 - 140			
Chlorobenzene	19.0700	0.50	0.13	20.0000		95.4	80 - 112			
Chloroethane	18.6600	0.50	0.15	20.0000		93.3	42 - 167			
Chloroform	18.0700	0.50	0.11	20.0000		90.4	77 - 122			
Chloromethane	17.8600	0.50	0.12	20.0000		89.3	33 - 153			
cis-1,2-Dichloroethene	18.6700	0.50	0.14	20.0000		93.4	75 - 121			
cis-1,3-Dichloropropene	19.4500	0.50	0.13	20.0000		97.2	73 - 127			
Dibromochloromethane	19.1600	0.50	0.16	20.0000		95.8	77 - 122			
Dibromomethane	19.3700	0.50	0.19	20.0000		96.8	75 - 121			
Dichlorodifluoromethane	20.7300	0.50	0.18	20.0000		104	0 - 171			
Ethylbenzene	20.4700	0.50	0.13	20.0000		102	82 - 119			
Hexachlorobutadiene	19.4800	0.50	0.15	20.0000		97.4	71 - 131			
Isopropylbenzene	20.0600	0.50	0.10	20.0000		100	75 - 126			
m,p-Xylene	41.4900	1.0	0.19	40.0000		104	86 - 119			
Methylene chloride	18.6400	1.0	0.71	20.0000		93.2	76 - 125			
n-Butylbenzene	20.1100	0.50	0.11	20.0000		101	81 - 125			
n-Propylbenzene	20.1100	0.50	0.10	20.0000		101	78 - 130			
Naphthalene	20.7600	0.50	0.41	20.0000		104	47 - 128			
o-Xylene	20.8300	0.50	0.13	20.0000		104	85 - 119			
sec-Butylbenzene	19.9600	0.50	0.09	20.0000		99.8	78 - 130			
Styrene	21.0300	0.50	0.13	20.0000		105	62 - 148			
tert-Butylbenzene	19.0700	0.50	0.09	20.0000		95.4	77 - 125			
Tetrachloroethene	20.0900	0.50	0.10	20.0000		100	73 - 120			
Toluene	18.1300	0.50	0.12	20.0000		90.6	79 - 119			
trans-1,2-Dichloroethene	18.5800	0.50	0.09	20.0000		92.9	70 - 129			
Trichloroethene	18.7000	0.50	0.10	20.0000		93.5	73 - 117			
Trichlorofluoromethane	20.3300	0.50	0.23	20.0000		102	59 - 135			
Vinyl chloride	17.7200	0.50	0.13	20.0000		88.6	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.76*			*25.0000*		*87.0*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.98*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.42*			*25.0000*		*97.7*	*78 - 129*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0484 - MSVOA_LL_W (continued)										
LCS (B1B0484-BS1) - Continued						Prepared: 2/24/2021 Analyzed: 2/24/2021				
Surrogate: Toluene-d8	*23.47*			*25.0000*		*93.9*	*84 - 117*			
LCS Dup (B1B0484-BSD1)						Prepared: 2/24/2021 Analyzed: 2/24/2021				
1,1,1,2-Tetrachloroethane	21.5700	0.50	0.11	20.0000		108	79 - 116	4.02	20	
1,1,1-Trichloroethane	18.9700	0.50	0.21	20.0000		94.8	73 - 130	4.58	20	
1,1,2,2-Tetrachloroethane	21.3100	0.50	0.36	20.0000		107	71 - 122	2.13	20	
1,1,2-Trichloroethane	18.6300	0.50	0.25	20.0000		93.2	70 - 124	5.33	20	
1,1-Dichloroethane	17.6200	0.50	0.09	20.0000		88.1	69 - 128	3.17	20	
1,1-Dichloroethene	19.2800	0.50	0.13	20.0000		96.4	65 - 137	2.04	20	
1,1-Dichloropropene	23.0100	0.50	0.13	20.0000		115	74 - 129	6.60	20	
1,2,3-Trichloropropane	20.4300	0.50	0.39	20.0000		102	74 - 123	0.0979	20	
1,2,3-Trichlorobenzene	19.9300	0.50	0.18	20.0000		99.6	59 - 130	1.11	20	
1,2,4-Trichlorobenzene	19.3500	0.50	0.16	20.0000		96.8	65 - 125	2.14	20	
1,2,4-Trimethylbenzene	20.1900	0.50	0.14	20.0000		101	88 - 124	1.60	20	
1,2-Dibromo-3-chloropropane	22.2300	0.50	0.41	20.0000		111	61 - 127	1.45	20	
1,2-Dibromoethane	19.7900	0.50	0.24	20.0000		99.0	72 - 125	0.353	20	
1,2-Dichlorobenzene	19.9200	0.50	0.20	20.0000		99.6	84 - 113	1.72	20	
1,2-Dichloroethane	19.4800	0.50	0.20	20.0000		97.4	68 - 130	2.92	20	
1,2-Dichloropropane	17.7600	0.50	0.15	20.0000		88.8	77 - 121	4.20	20	
1,3,5-Trimethylbenzene	20.2200	0.50	0.13	20.0000		101	83 - 124	1.09	20	
1,3-Dichlorobenzene	20.3500	0.50	0.16	20.0000		102	83 - 112	5.45	20	
1,3-Dichloropropane	21.5600	0.50	0.21	20.0000		108	77 - 119	2.92	20	
1,4-Dichlorobenzene	19.1700	0.50	0.17	20.0000		95.8	79 - 115	0.786	20	
2,2-Dichloropropane	19.1700	0.50	0.38	20.0000		95.8	67 - 149	4.37	20	
2-Chlorotoluene	20.0200	0.50	0.11	20.0000		100	81 - 119	2.43	20	
4-Chlorotoluene	19.7300	0.50	0.12	20.0000		98.6	86 - 117	1.28	20	
4-Isopropyltoluene	19.8500	0.50	0.11	20.0000		99.2	82 - 131	1.32	20	
Benzene	21.6800	0.50	0.13	20.0000		108	75 - 124	3.71	20	
Bromobenzene	19.6100	0.50	0.21	20.0000		98.0	82 - 108	1.18	20	
Bromodichloromethane	19.6200	0.50	0.14	20.0000		98.1	80 - 120	2.16	20	
Bromoform	23.6700	0.50	0.20	20.0000		118	70 - 123	1.70	20	
Bromomethane	22.1700	0.50	0.40	20.0000		111	44 - 151	14.0	20	
Carbon tetrachloride	22.2400	0.50	0.09	20.0000		111	62 - 140	6.74	20	
Chlorobenzene	19.5200	0.50	0.13	20.0000		97.6	80 - 112	2.33	20	
Chloroethane	19.4500	0.50	0.15	20.0000		97.2	42 - 167	4.15	20	
Chloroform	18.1400	0.50	0.11	20.0000		90.7	77 - 122	0.387	20	
Chloromethane	18.5200	0.50	0.12	20.0000		92.6	33 - 153	3.63	20	
cis-1,2-Dichloroethene	19.6100	0.50	0.14	20.0000		98.0	75 - 121	4.91	20	
cis-1,3-Dichloropropene	19.5800	0.50	0.13	20.0000		97.9	73 - 127	0.666	20	
Dibromochloromethane	19.8000	0.50	0.16	20.0000		99.0	77 - 122	3.29	20	
Dibromomethane	19.6300	0.50	0.19	20.0000		98.2	75 - 121	1.33	20	
Dichlorodifluoromethane	21.5800	0.50	0.18	20.0000		108	0 - 171	4.02	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 : 03/02/2021

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 B1B0484 - MSVOA_LL_W (continued)										
LCS Dup (B1B0484-BSD1) - Continued					Prepared: 2/24/2021 Analyzed: 2/24/2021					
Ethylbenzene	20.9200	0.50	0.13	20.0000		105	82 - 119	2.17	20	
Hexachlorobutadiene	20.4000	0.50	0.15	20.0000		102	71 - 131	4.61	20	
Isopropylbenzene	20.5800	0.50	0.10	20.0000		103	75 - 126	2.56	20	
m,p-Xylene	42.7200	1.0	0.19	40.0000		107	86 - 119	2.92	20	
Methylene chloride	19.6900	1.0	0.71	20.0000		98.4	76 - 125	5.48	20	
n-Butylbenzene	20.4400	0.50	0.11	20.0000		102	81 - 125	1.63	20	
n-Propylbenzene	20.5900	0.50	0.10	20.0000		103	78 - 130	2.36	20	
Naphthalene	20.7900	0.50	0.41	20.0000		104	47 - 128	0.144	20	
o-Xylene	20.9800	0.50	0.13	20.0000		105	85 - 119	0.718	20	
sec-Butylbenzene	20.0300	0.50	0.09	20.0000		100	78 - 130	0.350	20	
Styrene	21.5500	0.50	0.13	20.0000		108	62 - 148	2.44	20	
tert-Butylbenzene	19.8200	0.50	0.09	20.0000		99.1	77 - 125	3.86	20	
Tetrachloroethene	20.8000	0.50	0.10	20.0000		104	73 - 120	3.47	20	
Toluene	18.6400	0.50	0.12	20.0000		93.2	79 - 119	2.77	20	
trans-1,2-Dichloroethene	19.5500	0.50	0.09	20.0000		97.8	70 - 129	5.09	20	
Trichloroethene	19.2100	0.50	0.10	20.0000		96.0	73 - 117	2.69	20	
Trichlorofluoromethane	21.2600	0.50	0.23	20.0000		106	59 - 135	4.47	20	
Vinyl chloride	18.4700	0.50	0.13	20.0000		92.4	58 - 132	4.14	20	
Surrogate: 1,2-Dichloroethane-d4	*21.64*			*25.0000*		*86.6*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.24*			*25.0000*		*105*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.61*			*25.0000*		*98.4*	*78 - 129*			
Surrogate: Toluene-d8	*23.30*			*25.0000*		*93.2*	*84 - 117*			
Duplicate (B1B0484-DUP1)			**Source: 2100406-05**		Prepared: 2/24/2021 Analyzed: 2/24/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11		ND			NR	20	
1,1,1-Trichloroethane	ND	0.50	0.21		ND			NR	20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36		ND			NR	20	
1,1,2-Trichloroethane	ND	0.50	0.25		ND			NR	20	
1,1-Dichloroethane	ND	0.50	0.09		ND			NR	20	
1,1-Dichloroethene	ND	0.50	0.13		ND			NR	20	
1,1-Dichloropropene	ND	0.50	0.13		ND			NR	20	
1,2,3-Trichloropropane	ND	0.50	0.39		ND			NR	20	
1,2,3-Trichlorobenzene	ND	0.50	0.18		ND			NR	20	
1,2,4-Trichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,2,4-Trimethylbenzene	ND	0.50	0.14		ND			NR	20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41		ND			NR	20	
1,2-Dibromoethane	ND	0.50	0.24		ND			NR	20	
1,2-Dichlorobenzene	ND	0.50	0.20		ND			NR	20	
1,2-Dichloroethane	ND	0.50	0.20		ND			NR	20	
1,2-Dichloropropane	ND	0.50	0.15		ND			NR	20	
1,3,5-Trimethylbenzene	ND	0.50	0.13		ND			NR	20	

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Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0484 - MSVOA_LL_W (continued)										
Duplicate (B1B0484-DUP1) - Continued			**Source: 2100406-05**		Prepared: 2/24/2021 Analyzed: 2/24/2021					
1,3-Dichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,3-Dichloropropane	ND	0.50	0.21		ND			NR	20	
1,4-Dichlorobenzene	ND	0.50	0.17		ND			NR	20	
2,2-Dichloropropane	ND	0.50	0.38		ND			NR	20	
2-Chlorotoluene	ND	0.50	0.11		ND			NR	20	
4-Chlorotoluene	ND	0.50	0.12		ND			NR	20	
4-Isopropyltoluene	ND	0.50	0.11		ND			NR	20	
Benzene	ND	0.50	0.13		ND			NR	20	
Bromobenzene	ND	0.50	0.21		ND			NR	20	
Bromodichloromethane	ND	0.50	0.14		ND			NR	20	
Bromoform	ND	0.50	0.20		ND			NR	20	
Bromomethane	ND	0.50	0.40		ND			NR	20	
Carbon tetrachloride	ND	0.50	0.09		ND			NR	20	
Chlorobenzene	ND	0.50	0.13		ND			NR	20	
Chloroethane	ND	0.50	0.15		ND			NR	20	
Chloroform	ND	0.50	0.11		ND			NR	20	
Chloromethane	ND	0.50	0.12		ND			NR	20	
cis-1,2-Dichloroethene	ND	0.50	0.14		ND			NR	20	
cis-1,3-Dichloropropene	ND	0.50	0.13		ND			NR	20	
Dibromochloromethane	ND	0.50	0.16		ND			NR	20	
Dibromomethane	ND	0.50	0.19		ND			NR	20	
Dichlorodifluoromethane	ND	0.50	0.18		ND			NR	20	
Ethylbenzene	ND	0.50	0.13		ND			NR	20	
Hexachlorobutadiene	ND	0.50	0.15		ND			NR	20	
Isopropylbenzene	ND	0.50	0.10		ND			NR	20	
m,p-Xylene	ND	1.0	0.19		ND			NR	20	
Methylene chloride	ND	1.0	0.71		ND			NR	20	
n-Butylbenzene	ND	0.50	0.11		ND			NR	20	
n-Propylbenzene	ND	0.50	0.10		ND			NR	20	
Naphthalene	ND	0.50	0.41		ND			NR	20	
o-Xylene	ND	0.50	0.13		ND			NR	20	
sec-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Styrene	ND	0.50	0.13		ND			NR	20	
tert-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Tetrachloroethene	ND	0.50	0.10		ND			NR	20	
Toluene	ND	0.50	0.12		ND			NR	20	
trans-1,2-Dichloroethene	ND	0.50	0.09		ND			NR	20	
Trichloroethene	ND	0.50	0.10		ND			NR	20	
Trichlorofluoromethane	ND	0.50	0.23		ND			NR	20	
Vinyl chloride	ND	0.50	0.13		ND			NR	20	
Surrogate: 1,2-Dichloroethane-d4	*21.73*			*25.0000*		*86.9*	*64 - 155*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0484 - MSVOA_LL_W (continued)									
Duplicate (B1B0484-DUP1) - Continued			**Source: 2100406-05**		Prepared: 2/24/2021 Analyzed: 2/24/2021				
Surrogate: 4-Bromofluorobenzene	*24.89*		*25.0000*		*99.6*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.87*		*25.0000*		*95.5*	*78 - 129*			
Surrogate: Toluene-d8	*22.49*		*25.0000*		*90.0*	*84 - 117*			

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 : 03/02/2021

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 B1B0512 - MSVOA_LL_W										
Blank (B1B0512-BLK1)					Prepared: 2/26/2021 Analyzed: 2/26/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0512 - MSVOA_LL_W (continued)										
Blank (B1B0512-BLK1) - Continued					Prepared: 2/26/2021 Analyzed: 2/26/2021					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*21.07*			*25.0000*		*84.3*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.69*			*25.0000*		*98.8*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.41*			*25.0000*		*93.6*	*78 - 129*			
Surrogate: Toluene-d8	*23.81*			*25.0000*		*95.2*	*84 - 117*			
LCS (B1B0512-BS1)					Prepared: 2/26/2021 Analyzed: 2/26/2021					
1,1,1,2-Tetrachloroethane	20.2700	0.50	0.11	20.0000		101	79 - 116			
1,1,1-Trichloroethane	18.3200	0.50	0.21	20.0000		91.6	73 - 130			
1,1,2,2-Tetrachloroethane	21.1400	0.50	0.36	20.0000		106	71 - 122			
1,1,2-Trichloroethane	20.7200	0.50	0.25	20.0000		104	70 - 124			
1,1-Dichloroethane	16.5400	0.50	0.09	20.0000		82.7	69 - 128			
1,1-Dichloroethene	18.0300	0.50	0.13	20.0000		90.2	65 - 137			
1,1-Dichloropropene	23.0100	0.50	0.13	20.0000		115	74 - 129			
1,2,3-Trichloropropane	20.4300	0.50	0.39	20.0000		102	74 - 123			
1,2,3-Trichlorobenzene	19.6500	0.50	0.18	20.0000		98.2	59 - 130			
1,2,4-Trichlorobenzene	18.7400	0.50	0.16	20.0000		93.7	65 - 125			
1,2,4-Trimethylbenzene	19.2700	0.50	0.14	20.0000		96.4	88 - 124			
1,2-Dibromo-3-chloropropane	22.0000	0.50	0.41	20.0000		110	61 - 127			
1,2-Dibromoethane	21.8000	0.50	0.24	20.0000		109	72 - 125			
1,2-Dichlorobenzene	19.2600	0.50	0.20	20.0000		96.3	84 - 113			
1,2-Dichloroethane	19.9400	0.50	0.20	20.0000		99.7	68 - 130			
1,2-Dichloropropane	17.6900	0.50	0.15	20.0000		88.4	77 - 121			
1,3,5-Trimethylbenzene	19.0700	0.50	0.13	20.0000		95.4	83 - 124			
1,3-Dichlorobenzene	19.0500	0.50	0.16	20.0000		95.2	83 - 112			
1,3-Dichloropropane	20.9600	0.50	0.21	20.0000		105	77 - 119			

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 : 03/02/2021

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 B1B0512 - MSVOA_LL_W (continued)										
LCS (B1B0512-BS1) - Continued					Prepared: 2/26/2021 Analyzed: 2/26/2021					
1,4-Dichlorobenzene	18.3600	0.50	0.17	20.0000		91.8	79 - 115			
2,2-Dichloropropane	18.3400	0.50	0.38	20.0000		91.7	67 - 149			
2-Chlorotoluene	18.7900	0.50	0.11	20.0000		94.0	81 - 119			
4-Chlorotoluene	18.5400	0.50	0.12	20.0000		92.7	86 - 117			
4-Isopropyltoluene	18.9100	0.50	0.11	20.0000		94.6	82 - 131			
Benzene	22.1000	0.50	0.13	20.0000		110	75 - 124			
Bromobenzene	18.9100	0.50	0.21	20.0000		94.6	82 - 108			
Bromodichloromethane	19.2600	0.50	0.14	20.0000		96.3	80 - 120			
Bromoform	23.1900	0.50	0.20	20.0000		116	70 - 123			
Bromomethane	17.7000	0.50	0.40	20.0000		88.5	44 - 151			
Carbon tetrachloride	21.5600	0.50	0.09	20.0000		108	62 - 140			
Chlorobenzene	19.0100	0.50	0.13	20.0000		95.0	80 - 112			
Chloroethane	18.1500	0.50	0.15	20.0000		90.8	42 - 167			
Chloroform	17.3800	0.50	0.11	20.0000		86.9	77 - 122			
Chloromethane	17.6200	0.50	0.12	20.0000		88.1	33 - 153			
cis-1,2-Dichloroethene	18.0900	0.50	0.14	20.0000		90.4	75 - 121			
cis-1,3-Dichloropropene	20.1100	0.50	0.13	20.0000		101	73 - 127			
Dibromochloromethane	19.0900	0.50	0.16	20.0000		95.4	77 - 122			
Dibromomethane	20.0800	0.50	0.19	20.0000		100	75 - 121			
Dichlorodifluoromethane	20.9000	0.50	0.18	20.0000		104	0 - 171			
Ethylbenzene	20.2200	0.50	0.13	20.0000		101	82 - 119			
Hexachlorobutadiene	19.2100	0.50	0.15	20.0000		96.0	71 - 131			
Isopropylbenzene	19.1000	0.50	0.10	20.0000		95.5	75 - 126			
m,p-Xylene	40.4300	1.0	0.19	40.0000		101	86 - 119			
Methylene chloride	18.3100	1.0	0.71	20.0000		91.6	76 - 125			
n-Butylbenzene	19.1200	0.50	0.11	20.0000		95.6	81 - 125			
n-Propylbenzene	19.4700	0.50	0.10	20.0000		97.4	78 - 130			
Naphthalene	21.2200	0.50	0.41	20.0000		106	47 - 128			
o-Xylene	20.3400	0.50	0.13	20.0000		102	85 - 119			
sec-Butylbenzene	19.0500	0.50	0.09	20.0000		95.2	78 - 130			
Styrene	20.7400	0.50	0.13	20.0000		104	62 - 148			
tert-Butylbenzene	18.6400	0.50	0.09	20.0000		93.2	77 - 125			
Tetrachloroethene	20.3500	0.50	0.10	20.0000		102	73 - 120			
Toluene	19.2500	0.50	0.12	20.0000		96.2	79 - 119			
trans-1,2-Dichloroethene	18.6000	0.50	0.09	20.0000		93.0	70 - 129			
Trichloroethene	19.3100	0.50	0.10	20.0000		96.6	73 - 117			
Trichlorofluoromethane	21.3500	0.50	0.23	20.0000		107	59 - 135			
Vinyl chloride	17.3900	0.50	0.13	20.0000		87.0	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.61*			*25.0000*		*86.4*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.16*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.96*			*25.0000*		*95.8*	*78 - 129*			

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 : 03/02/2021

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 B1B0512 - MSVOA_LL_W (continued)										
LCS (B1B0512-BS1) - Continued						Prepared: 2/26/2021 Analyzed: 2/26/2021				
Surrogate: Toluene-d8	*24.16*			*25.0000*		*96.6*	*84 - 117*			
LCS Dup (B1B0512-BSD1)						Prepared: 2/26/2021 Analyzed: 2/26/2021				
1,1,1,2-Tetrachloroethane	20.0800	0.50	0.11	20.0000		100	79 - 116	0.942	20	
1,1,1-Trichloroethane	17.4000	0.50	0.21	20.0000		87.0	73 - 130	5.15	20	
1,1,2,2-Tetrachloroethane	21.2700	0.50	0.36	20.0000		106	71 - 122	0.613	20	
1,1,2-Trichloroethane	19.4600	0.50	0.25	20.0000		97.3	70 - 124	6.27	20	
1,1-Dichloroethane	16.0900	0.50	0.09	20.0000		80.4	69 - 128	2.76	20	
1,1-Dichloroethene	17.6000	0.50	0.13	20.0000		88.0	65 - 137	2.41	20	
1,1-Dichloropropene	21.1200	0.50	0.13	20.0000		106	74 - 129	8.57	20	
1,2,3-Trichloropropane	20.7100	0.50	0.39	20.0000		104	74 - 123	1.36	20	
1,2,3-Trichlorobenzene	19.8700	0.50	0.18	20.0000		99.4	59 - 130	1.11	20	
1,2,4-Trichlorobenzene	18.6900	0.50	0.16	20.0000		93.4	65 - 125	0.267	20	
1,2,4-Trimethylbenzene	18.6500	0.50	0.14	20.0000		93.2	88 - 124	3.27	20	
1,2-Dibromo-3-chloropropane	23.5900	0.50	0.41	20.0000		118	61 - 127	6.98	20	
1,2-Dibromoethane	20.8000	0.50	0.24	20.0000		104	72 - 125	4.69	20	
1,2-Dichlorobenzene	19.1500	0.50	0.20	20.0000		95.8	84 - 113	0.573	20	
1,2-Dichloroethane	19.2300	0.50	0.20	20.0000		96.2	68 - 130	3.63	20	
1,2-Dichloropropane	16.8100	0.50	0.15	20.0000		84.0	77 - 121	5.10	20	
1,3,5-Trimethylbenzene	18.7500	0.50	0.13	20.0000		93.8	83 - 124	1.69	20	
1,3-Dichlorobenzene	19.0200	0.50	0.16	20.0000		95.1	83 - 112	0.158	20	
1,3-Dichloropropane	21.2400	0.50	0.21	20.0000		106	77 - 119	1.33	20	
1,4-Dichlorobenzene	18.5900	0.50	0.17	20.0000		93.0	79 - 115	1.24	20	
2,2-Dichloropropane	17.6600	0.50	0.38	20.0000		88.3	67 - 149	3.78	20	
2-Chlorotoluene	18.5800	0.50	0.11	20.0000		92.9	81 - 119	1.12	20	
4-Chlorotoluene	18.2100	0.50	0.12	20.0000		91.0	86 - 117	1.80	20	
4-Isopropyltoluene	18.3900	0.50	0.11	20.0000		92.0	82 - 131	2.79	20	
Benzene	20.5200	0.50	0.13	20.0000		103	75 - 124	7.41	20	
Bromobenzene	18.7900	0.50	0.21	20.0000		94.0	82 - 108	0.637	20	
Bromodichloromethane	18.3100	0.50	0.14	20.0000		91.6	80 - 120	5.06	20	
Bromoform	24.4900	0.50	0.20	20.0000		122	70 - 123	5.45	20	
Bromomethane	16.4500	0.50	0.40	20.0000		82.2	44 - 151	7.32	20	
Carbon tetrachloride	19.8200	0.50	0.09	20.0000		99.1	62 - 140	8.41	20	
Chlorobenzene	18.7700	0.50	0.13	20.0000		93.8	80 - 112	1.27	20	
Chloroethane	17.5600	0.50	0.15	20.0000		87.8	42 - 167	3.30	20	
Chloroform	17.1600	0.50	0.11	20.0000		85.8	77 - 122	1.27	20	
Chloromethane	17.5100	0.50	0.12	20.0000		87.6	33 - 153	0.626	20	
cis-1,2-Dichloroethene	17.7300	0.50	0.14	20.0000		88.6	75 - 121	2.01	20	
cis-1,3-Dichloropropene	19.1700	0.50	0.13	20.0000		95.8	73 - 127	4.79	20	
Dibromochloromethane	19.1800	0.50	0.16	20.0000		95.9	77 - 122	0.470	20	
Dibromomethane	19.8200	0.50	0.19	20.0000		99.1	75 - 121	1.30	20	
Dichlorodifluoromethane	20.2500	0.50	0.18	20.0000		101	0 - 171	3.16	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 : 03/02/2021

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 B1B0512 - MSVOA_LL_W (continued)										
LCS Dup (B1B0512-BSD1) - Continued					Prepared: 2/26/2021 Analyzed: 2/26/2021					
Ethylbenzene	19.6100	0.50	0.13	20.0000		98.0	82 - 119	3.06	20	
Hexachlorobutadiene	18.4000	0.50	0.15	20.0000		92.0	71 - 131	4.31	20	
Isopropylbenzene	18.5200	0.50	0.10	20.0000		92.6	75 - 126	3.08	20	
m,p-Xylene	39.9300	1.0	0.19	40.0000		99.8	86 - 119	1.24	20	
Methylene chloride	18.0400	1.0	0.71	20.0000		90.2	76 - 125	1.49	20	
n-Butylbenzene	18.9000	0.50	0.11	20.0000		94.5	81 - 125	1.16	20	
n-Propylbenzene	18.9200	0.50	0.10	20.0000		94.6	78 - 130	2.87	20	
Naphthalene	21.5300	0.50	0.41	20.0000		108	47 - 128	1.45	20	
o-Xylene	20.0600	0.50	0.13	20.0000		100	85 - 119	1.39	20	
sec-Butylbenzene	18.7500	0.50	0.09	20.0000		93.8	78 - 130	1.59	20	
Styrene	20.4800	0.50	0.13	20.0000		102	62 - 148	1.26	20	
tert-Butylbenzene	18.2900	0.50	0.09	20.0000		91.4	77 - 125	1.90	20	
Tetrachloroethene	19.5400	0.50	0.10	20.0000		97.7	73 - 120	4.06	20	
Toluene	18.1400	0.50	0.12	20.0000		90.7	79 - 119	5.94	20	
trans-1,2-Dichloroethene	17.5800	0.50	0.09	20.0000		87.9	70 - 129	5.64	20	
Trichloroethene	18.0800	0.50	0.10	20.0000		90.4	73 - 117	6.58	20	
Trichlorofluoromethane	20.0400	0.50	0.23	20.0000		100	59 - 135	6.33	20	
Vinyl chloride	16.8300	0.50	0.13	20.0000		84.2	58 - 132	3.27	20	
Surrogate: 1,2-Dichloroethane-d4	*22.16*			*25.0000*		*88.6*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.65*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.77*			*25.0000*		*99.1*	*78 - 129*			
Surrogate: Toluene-d8	*23.56*			*25.0000*		*94.2*	*84 - 117*			
Duplicate (B1B0512-DUP1)			**Source: 2100440-07**		Prepared: 2/26/2021 Analyzed: 2/26/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11		ND			NR	20	
1,1,1-Trichloroethane	ND	0.50	0.21		ND			NR	20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36		ND			NR	20	
1,1,2-Trichloroethane	ND	0.50	0.25		ND			NR	20	
1,1-Dichloroethane	ND	0.50	0.09		ND			NR	20	
1,1-Dichloroethene	ND	0.50	0.13		ND			NR	20	
1,1-Dichloropropene	ND	0.50	0.13		ND			NR	20	
1,2,3-Trichloropropane	ND	0.50	0.39		ND			NR	20	
1,2,3-Trichlorobenzene	ND	0.50	0.18		ND			NR	20	
1,2,4-Trichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,2,4-Trimethylbenzene	ND	0.50	0.14		ND			NR	20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41		ND			NR	20	
1,2-Dibromoethane	ND	0.50	0.24		ND			NR	20	
1,2-Dichlorobenzene	ND	0.50	0.20		ND			NR	20	
1,2-Dichloroethane	ND	0.50	0.20		ND			NR	20	
1,2-Dichloropropane	ND	0.50	0.15		ND			NR	20	
1,3,5-Trimethylbenzene	ND	0.50	0.13		ND			NR	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 : 03/02/2021

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 B1B0512 - MSVOA_LL_W (continued)										
Duplicate (B1B0512-DUP1) - Continued			**Source: 2100440-07**		Prepared: 2/26/2021 Analyzed: 2/26/2021					
1,3-Dichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,3-Dichloropropane	ND	0.50	0.21		ND			NR	20	
1,4-Dichlorobenzene	ND	0.50	0.17		ND			NR	20	
2,2-Dichloropropane	ND	0.50	0.38		ND			NR	20	
2-Chlorotoluene	ND	0.50	0.11		ND			NR	20	
4-Chlorotoluene	ND	0.50	0.12		ND			NR	20	
4-Isopropyltoluene	ND	0.50	0.11		ND			NR	20	
Benzene	ND	0.50	0.13		ND			NR	20	
Bromobenzene	ND	0.50	0.21		ND			NR	20	
Bromodichloromethane	ND	0.50	0.14		ND			NR	20	
Bromoform	ND	0.50	0.20		ND			NR	20	
Bromomethane	ND	0.50	0.40		ND			NR	20	
Carbon tetrachloride	ND	0.50	0.09		ND			NR	20	
Chlorobenzene	ND	0.50	0.13		ND			NR	20	
Chloroethane	ND	0.50	0.15		ND			NR	20	
Chloroform	ND	0.50	0.11		ND			NR	20	
Chloromethane	ND	0.50	0.12		ND			NR	20	
cis-1,2-Dichloroethene	ND	0.50	0.14		ND			NR	20	
cis-1,3-Dichloropropene	ND	0.50	0.13		ND			NR	20	
Dibromochloromethane	ND	0.50	0.16		ND			NR	20	
Dibromomethane	ND	0.50	0.19		ND			NR	20	
Dichlorodifluoromethane	ND	0.50	0.18		ND			NR	20	
Ethylbenzene	ND	0.50	0.13		ND			NR	20	
Hexachlorobutadiene	ND	0.50	0.15		ND			NR	20	
Isopropylbenzene	ND	0.50	0.10		ND			NR	20	
m,p-Xylene	ND	1.0	0.19		ND			NR	20	
Methylene chloride	ND	1.0	0.71		ND			NR	20	
n-Butylbenzene	ND	0.50	0.11		ND			NR	20	
n-Propylbenzene	ND	0.50	0.10		ND			NR	20	
Naphthalene	ND	0.50	0.41		ND			NR	20	
o-Xylene	ND	0.50	0.13		ND			NR	20	
sec-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Styrene	ND	0.50	0.13		ND			NR	20	
tert-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Tetrachloroethene	ND	0.50	0.10		ND			NR	20	
Toluene	ND	0.50	0.12		ND			NR	20	
trans-1,2-Dichloroethene	ND	0.50	0.09		ND			NR	20	
Trichloroethene	ND	0.50	0.10		ND			NR	20	
Trichlorofluoromethane	ND	0.50	0.23		ND			NR	20	
Vinyl chloride	ND	0.50	0.13		ND			NR	20	
Surrogate: 1,2-Dichloroethane-d4	*22.00*			*25.0000*		*88.0*	*64 - 155*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/02/2021

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 B1B0512 - MSVOA_LL_W (continued)									
Duplicate (B1B0512-DUP1) - Continued			**Source: 2100440-07**		Prepared: 2/26/2021 Analyzed: 2/26/2021				
Surrogate: 4-Bromofluorobenzene	*24.95*		*25.0000*		*99.8*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.22*		*25.0000*		*96.9*	*78 - 129*			
Surrogate: Toluene-d8	*23.28*		*25.0000*		*93.1*	*84 - 117*			

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 : 03/02/2021

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 B1B0481 - MSSEMI_W										
Blank (B1B0481-BLK1)						Prepared: 2/24/2021 Analyzed: 2/25/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*50.92*			*100.000*		*50.9*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*58.52*			*100.000*		*58.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*72.68*			*100.000*		*72.7*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*61.07*			*100.000*		*61.1*	*13 - 150*			
LCS (B1B0481-BS1)						Prepared: 2/24/2021 Analyzed: 2/25/2021				
1,4-Dioxane	115.420	2.0	0.84	100.000		115	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*45.60*			*100.000*		*45.6*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*59.79*			*100.000*		*59.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*73.30*			*100.000*		*73.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*61.95*			*100.000*		*62.0*	*13 - 150*			
LCS Dup (B1B0481-BSD1)						Prepared: 2/24/2021 Analyzed: 2/25/2021				
1,4-Dioxane	114.420	2.0	0.84	100.000		114	75 - 155	0.870	20	
Surrogate: 1,2-Dichlorobenzene-d	*48.47*			*100.000*		*48.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*64.83*			*100.000*		*64.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*71.36*			*100.000*		*71.4*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*66.12*			*100.000*		*66.1*	*13 - 150*			

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 : 03/02/2021

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 B1B0463 - MSSEMI_W										
Blank (B1B0463-BLK1)					Prepared: 2/24/2021 Analyzed: 2/26/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.7211*			*1.00000*		*72.1*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.000*			*1.00000*		*100*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9574*			*1.00000*		*95.7*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.7017*			*1.00000*		*70.2*	*15 - 121*			
LCS (B1B0463-BS1)					Prepared: 2/24/2021 Analyzed: 2/26/2021					
1,4-Dioxane	1.62361	0.20	0.05	1.00000		162	75 - 155			L2
Surrogate: 1,2-Dichlorobenzene-d	*0.7134*			*1.00000*		*71.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.056*			*1.00000*		*106*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9396*			*1.00000*		*94.0*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.7270*			*1.00000*		*72.7*	*15 - 121*			
LCS Dup (B1B0463-BSD1)					Prepared: 2/24/2021 Analyzed: 2/26/2021					
1,4-Dioxane	1.74649	0.20	0.05	1.00000		175	75 - 155	7.29	20	L2
Surrogate: 1,2-Dichlorobenzene-d	*0.6937*			*1.00000*		*69.4*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.014*			*1.00000*		*101*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9213*			*1.00000*		*92.1*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6915*			*1.00000*		*69.2*	*15 - 121*			

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 :	03/02/2021

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.
L2	Laboratory control sample outside of acceptance limits. Reextraction and/or reanalysis is not possible due to limited amount of sample.
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.

210042

HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 2/22/21
Page 1 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Andrew Donnelly

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: NaOH/AlCl3	PRESERVATION: NaOH/Zn	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	CONTAINERS: 250-ml poly	CONTAINERS: 250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	ANALYSIS REQUESTED: CO2 by SM4500	ANALYSIS REQUESTED: Dissolved Sulfide by SM4500 S2-d	ANALYSIS REQUESTED: Total Sulfide by SM-4500 S2-d	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
01	TB-022221	2/22/21	0800		X	X			X	2				X						X						X			Report J Flags
02	MW-16		0931	X		X			X	3				X								X				X			
	↓		↓	X					X		1					X										X			
03	MW-1600		0933	X		X			X	3				X								X				X			
	↓		↓	X					X		1					X										X			
04	MW-34C		1051	X		X			X	3				X						X						X			
	↓		↓	X					X		1				X											X			
05	~~MW-34B~~ MW-34B AMD 2/24/21		1127	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
H+A	2-22-21 1623	Max Rothman	2/22/21 1623
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Max Rothman	2/22/21 1700	/ATL	2/22/21 1700

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

2.6 ice
Temperature on receipt

SCIRT11

Laboratory
ATL
Attn: Tina Nguyen
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
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.

2100412

HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

Date: 02-22-21
Page 2 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: DJ Seglee, Amanda Janzon

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: NaOH/AlCl3	PRESERVATION: NaOH/Zn	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	CONTAINERS: 250-ml poly	CONTAINERS: 250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	ANALYSIS REQUESTED: CO2 by SM4500	ANALYSIS REQUESTED: Dissolved Sulfide by SM4500 S2-d	ANALYSIS REQUESTED: Total Sulfide by SM-4500 S2-d	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
06	MW-39	02-22-21	0924	X		X			X	3				X						X						X		
	↓	↓	↓	X					X		1				X											X		
07	MW-40	↓	1100 ice	X		X			↓	3				X						X						↓		
	↓	↓	↓	X					↓		1				X													

Total number of containers per analysis:

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
HTA	2-22-21 1823	Max Rothaar	2/22/21 1623
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Max Rothaar	2/22/21 1709	/ATL	2/22/21 1700

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

2.6 ice Temperature on receipt

SCIRT11

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

REMARKS
Report J Flags

Total No. of Containers:

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.

March 04, 2021

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 : 2100401

Client Reference : Raytheon Main, 532.30

Enclosed are the results for sample(s) received on February 19, 2021 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.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

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,

Edgar P. Caballero
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 :	03/04/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-021921A	2100401-01	Water	2/19/21 8:00	2/19/21 15:50
MW-18	2100401-02	Groundwater	2/19/21 9:38	2/19/21 15:50
MW-13	2100401-03	Groundwater	2/19/21 10:34	2/19/21 15:50
MW-15	2100401-04	Groundwater	2/19/21 12:14	2/19/21 15:50
MW-08	2100401-05	Groundwater	2/19/21 13:02	2/19/21 15:50
MW-20	2100401-06	Groundwater	2/19/21 14:47	2/19/21 15:50
MW-32C	2100401-07	Groundwater	2/19/21 10:10	2/19/21 15:50
MW-37	2100401-08	Groundwater	2/19/21 11:16	2/19/21 15:50
MW-36	2100401-09	Groundwater	2/19/21 14:14	2/19/21 15:50
MW-31	2100401-10	Groundwater	2/19/21 15:17	2/19/21 15:50
MW-3100	2100401-11	Groundwater	2/19/21 15:22	2/19/21 15:50

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 : 03/04/2021

Client Sample ID: TB-021921A

Lab ID: 2100401-01

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 18:15	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:15	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 18:15	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 18:15	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:15	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:15	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:15	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:15	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:15	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 18:15	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 18:15	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:15	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:15	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:15	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:15	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:15	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:15	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 18:15	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:15	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:15	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:15	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:15	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:15	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:15	

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 :	03/04/2021

Client Sample ID: TB-021921A

Lab ID: 2100401-01

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 18:15	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 18:15	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:15	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:15	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 18:15	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 18:15	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:15	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:15	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 18:15	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:15	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:15	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:15	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:15	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:15	
Trichloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:15	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 18:15	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:15	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 18:15*	
Surrogate: 4-Bromofluorobenzene	*93.4 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 18:15*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 18:15*	
Surrogate: Toluene-d8	*98.6 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 18:15*	

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 : 03/04/2021

Client Sample ID: MW-18

Lab ID: 2100401-02

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 18:36	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:36	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 18:36	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 18:36	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:36	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:36	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:36	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:36	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:36	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 18:36	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 18:36	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:36	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:36	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:36	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:36	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:36	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:36	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 18:36	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:36	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:36	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:36	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:36	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:36	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:36	

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 :	03/04/2021

Client Sample ID: MW-18

Lab ID: 2100401-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 18:36	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 18:36	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:36	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:36	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 18:36	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 18:36	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:36	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:36	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 18:36	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:36	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:36	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:36	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:36	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:36	
Trichloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:36	
Trichlorofluoromethane	**0.72**	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 18:36	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:36	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 18:36*	
Surrogate: 4-Bromofluorobenzene	*93.7 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 18:36*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 18:36*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 18:36*	

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 :	03/04/2021

Client Sample ID: MW-18

Lab ID: 2100401-02

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 12:19	
Surrogate: 1,2-Dichlorobenzene-d4	*55.7 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 12:19*	
Surrogate: 2-Fluorobiphenyl	*79.8 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 12:19*	
Surrogate: 4-Terphenyl-d14	*67.1 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 12:19*	
Surrogate: Nitrobenzene-d5	*57.4 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 12:19*	

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 : 03/04/2021

Client Sample ID: MW-13

Lab ID: 2100401-03

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 19:37	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 19:37	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 19:37	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 19:37	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:37	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 19:37	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 19:37	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 19:37	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 19:37	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 19:37	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 19:37	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:37	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 19:37	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:37	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 19:37	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 19:37	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 19:37	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 19:37	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:37	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 19:37	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:37	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 19:37	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 19:37	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 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 :	03/04/2021

Client Sample ID: MW-13

Lab ID: 2100401-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 19:37	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 19:37	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 19:37	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:37	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 19:37	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 19:37	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:37	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:37	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 19:37	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:37	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:37	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:37	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 19:37	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:37	
Trichloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:37	
Trichlorofluoromethane	**2.1**	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 19:37	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:37	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 19:37*	
Surrogate: 4-Bromofluorobenzene	*93.1 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 19:37*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 19:37*	
Surrogate: Toluene-d8	*98.4 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 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 :	03/04/2021

Client Sample ID: MW-13

Lab ID: 2100401-03

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 12:45	
Surrogate: 1,2-Dichlorobenzene-d4	*59.4 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 12:45*	
Surrogate: 2-Fluorobiphenyl	*83.5 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 12:45*	
Surrogate: 4-Terphenyl-d14	*66.0 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 12:45*	
Surrogate: Nitrobenzene-d5	*59.9 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 12:45*	

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 : 03/04/2021

Client Sample ID: MW-15

Lab ID: 2100401-04

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 22:40	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 22:40	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 22:40	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 22:40	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 22:40	
1,1-Dichloroethene	**0.42**	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	J
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 22:40	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 22:40	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 22:40	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 22:40	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 22:40	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 22:40	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 22:40	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 22:40	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 22:40	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 22:40	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 22:40	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 22:40	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 22:40	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 22:40	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 22:40	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 22:40	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 22:40	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 22:40	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 22:40	

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 : 03/04/2021

Client Sample ID: MW-15

Lab ID: 2100401-04

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 22:40	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 22:40	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 22:40	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 22:40	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 22:40	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 22:40	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 22:40	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 22:40	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 22:40	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 22:40	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 22:40	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 22:40	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 22:40	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 22:40	
Trichloroethene	**3.7**	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 22:40	
Trichlorofluoromethane	**12**	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 22:40	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 22:40	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 22:40*	
Surrogate: 4-Bromofluorobenzene	*92.4 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 22:40*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 22:40*	
Surrogate: Toluene-d8	*99.8 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 22:40*	

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 : 03/04/2021

Client Sample ID: MW-08

Lab ID: 2100401-05

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 20:17	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 20:17	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 20:17	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 20:17	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:17	
1,1-Dichloroethene	**19**	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 20:17	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 20:17	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 20:17	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 20:17	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 20:17	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 20:17	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:17	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 20:17	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:17	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 20:17	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 20:17	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 20:17	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 20:17	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:17	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 20:17	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:17	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 20:17	
cis-1,2-Dichloroethene	**1.8**	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 20:17	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 20:17	

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 : 03/04/2021

Client Sample ID: MW-08

Lab ID: 2100401-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 20:17	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 20:17	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 20:17	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:17	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 20:17	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 20:17	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:17	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:17	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 20:17	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:17	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:17	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:17	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 20:17	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:17	
Trichloroethene	**42**	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:17	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 20:17	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:17	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 20:17*	
Surrogate: 4-Bromofluorobenzene	*92.6 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 20:17*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 20:17*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 20:17*	

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 :	03/04/2021

Client Sample ID: MW-08

Lab ID: 2100401-05

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**2.6**	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 13:11	
Surrogate: 1,2-Dichlorobenzene-d4	*57.9 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 13:11*	
Surrogate: 2-Fluorobiphenyl	*80.3 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 13:11*	
Surrogate: 4-Terphenyl-d14	*70.7 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 13:11*	
Surrogate: Nitrobenzene-d5	*56.2 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 13:11*	

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 : 03/04/2021

Client Sample ID: MW-20

Lab ID: 2100401-06

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 18:56	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:56	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 18:56	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 18:56	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:56	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:56	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:56	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:56	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:56	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 18:56	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 18:56	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:56	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:56	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:56	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 18:56	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:56	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 18:56	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 18:56	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:56	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:56	
Chloroform	**0.84**	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:56	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:56	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 18:56	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 18:56	

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 :	03/04/2021

Client Sample ID: MW-20

Lab ID: 2100401-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 18:56	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 18:56	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 18:56	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:56	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 18:56	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 18:56	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 18:56	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:56	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 18:56	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:56	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:56	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:56	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 18:56	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 18:56	
Trichloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 18:56	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 18:56	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 18:56	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 18:56*	
Surrogate: 4-Bromofluorobenzene	*94.4 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 18:56*	
Surrogate: Dibromofluoromethane	*105 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 18:56*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 18:56*	

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 :	03/04/2021

Client Sample ID: MW-20

Lab ID: 2100401-06

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 13:37	
Surrogate: 1,2-Dichlorobenzene-d4	*55.9 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 13:37*	
Surrogate: 2-Fluorobiphenyl	*79.9 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 13:37*	
Surrogate: 4-Terphenyl-d14	*72.1 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 13:37*	
Surrogate: Nitrobenzene-d5	*56.9 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 13:37*	

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 : 03/04/2021

Client Sample ID: MW-32C

Lab ID: 2100401-07

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 19:16	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 19:16	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 19:16	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 19:16	
1,1-Dichloroethane	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:16	
1,1-Dichloroethene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 19:16	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 19:16	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 19:16	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 19:16	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 19:16	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 19:16	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:16	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 19:16	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:16	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 19:16	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 19:16	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 19:16	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 19:16	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:16	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 19:16	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:16	
Chloromethane	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 19:16	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 19:16	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 19:16	

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 :	03/04/2021

Client Sample ID: MW-32C

Lab ID: 2100401-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 19:16	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 19:16	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 19:16	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:16	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 19:16	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 19:16	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 19:16	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:16	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 19:16	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:16	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:16	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:16	
Toluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 19:16	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 19:16	
Trichloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 19:16	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 19:16	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 19:16	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 19:16*	
Surrogate: 4-Bromofluorobenzene	*94.1 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 19:16*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 19:16*	
Surrogate: Toluene-d8	*102 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 19:16*	

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 :	03/04/2021

Client Sample ID: MW-32C

Lab ID: 2100401-07

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 14:03	
Surrogate: 1,2-Dichlorobenzene-d4	*53.9 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 14:03*	
Surrogate: 2-Fluorobiphenyl	*79.5 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 14:03*	
Surrogate: 4-Terphenyl-d14	*66.9 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 14:03*	
Surrogate: Nitrobenzene-d5	*58.5 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 14:03*	

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 : 03/04/2021

Client Sample ID: MW-37

Lab ID: 2100401-08

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

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	0.11	1	B1C0012	03/01/2021	03/01/21 17:06	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1C0012	03/01/2021	03/01/21 17:06	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1C0012	03/01/2021	03/01/21 17:06	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1C0012	03/01/2021	03/01/21 17:06	
1,1-Dichloroethane	ND	0.50	0.09	1	B1C0012	03/01/2021	03/01/21 17:06	
1,1-Dichloroethene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
1,1-Dichloropropene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2-Dibromoethane	ND	0.50	0.24	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2-Dichloroethane	ND	0.50	0.20	1	B1C0012	03/01/2021	03/01/21 17:06	
1,2-Dichloropropane	ND	0.50	0.15	1	B1C0012	03/01/2021	03/01/21 17:06	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1C0012	03/01/2021	03/01/21 17:06	
1,3-Dichloropropane	ND	0.50	0.21	1	B1C0012	03/01/2021	03/01/21 17:06	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1C0012	03/01/2021	03/01/21 17:06	
2,2-Dichloropropane	ND	0.50	0.38	1	B1C0012	03/01/2021	03/01/21 17:06	
2-Chlorotoluene	ND	0.50	0.11	1	B1C0012	03/01/2021	03/01/21 17:06	
4-Chlorotoluene	ND	0.50	0.12	1	B1C0012	03/01/2021	03/01/21 17:06	
4-Isopropyltoluene	ND	0.50	0.11	1	B1C0012	03/01/2021	03/01/21 17:06	
Benzene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
Bromobenzene	ND	0.50	0.21	1	B1C0012	03/01/2021	03/01/21 17:06	
Bromodichloromethane	ND	0.50	0.14	1	B1C0012	03/01/2021	03/01/21 17:06	
Bromoform	ND	0.50	0.20	1	B1C0012	03/01/2021	03/01/21 17:06	
Bromomethane	ND	0.50	0.40	1	B1C0012	03/01/2021	03/01/21 17:06	
Carbon tetrachloride	ND	0.50	0.09	1	B1C0012	03/01/2021	03/01/21 17:06	
Chlorobenzene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
Chloroethane	ND	0.50	0.15	1	B1C0012	03/01/2021	03/01/21 17:06	
Chloroform	ND	0.50	0.11	1	B1C0012	03/01/2021	03/01/21 17:06	
Chloromethane	ND	0.50	0.12	1	B1C0012	03/01/2021	03/01/21 17:06	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1C0012	03/01/2021	03/01/21 17:06	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
Dibromochloromethane	ND	0.50	0.16	1	B1C0012	03/01/2021	03/01/21 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 :	03/04/2021

Client Sample ID: MW-37

Lab ID: 2100401-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1C0012	03/01/2021	03/01/21 17:06	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1C0012	03/01/2021	03/01/21 17:06	
Ethylbenzene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
Hexachlorobutadiene	ND	0.50	0.15	1	B1C0012	03/01/2021	03/01/21 17:06	
Isopropylbenzene	ND	0.50	0.10	1	B1C0012	03/01/2021	03/01/21 17:06	
m,p-Xylene	ND	1.0	0.19	1	B1C0012	03/01/2021	03/01/21 17:06	
Methylene chloride	ND	1.0	0.71	1	B1C0012	03/01/2021	03/01/21 17:06	
n-Butylbenzene	ND	0.50	0.11	1	B1C0012	03/01/2021	03/01/21 17:06	
n-Propylbenzene	ND	0.50	0.10	1	B1C0012	03/01/2021	03/01/21 17:06	
Naphthalene	ND	0.50	0.41	1	B1C0012	03/01/2021	03/01/21 17:06	
o-Xylene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
sec-Butylbenzene	ND	0.50	0.09	1	B1C0012	03/01/2021	03/01/21 17:06	
Styrene	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
tert-Butylbenzene	ND	0.50	0.09	1	B1C0012	03/01/2021	03/01/21 17:06	
Tetrachloroethene	ND	0.50	0.10	1	B1C0012	03/01/2021	03/01/21 17:06	
Toluene	ND	0.50	0.12	1	B1C0012	03/01/2021	03/01/21 17:06	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1C0012	03/01/2021	03/01/21 17:06	
Trichloroethene	ND	0.50	0.10	1	B1C0012	03/01/2021	03/01/21 17:06	
Trichlorofluoromethane	ND	0.50	0.23	1	B1C0012	03/01/2021	03/01/21 17:06	
Vinyl chloride	ND	0.50	0.13	1	B1C0012	03/01/2021	03/01/21 17:06	
Surrogate: 1,2-Dichloroethane-d4	*83.0 %*	*64 - 155*			B1C0012	03/01/2021	*03/01/21 17:06*	
Surrogate: 4-Bromofluorobenzene	*96.5 %*	*73 - 124*			B1C0012	03/01/2021	*03/01/21 17:06*	
Surrogate: Dibromofluoromethane	*93.3 %*	*78 - 129*			B1C0012	03/01/2021	*03/01/21 17:06*	
Surrogate: Toluene-d8	*90.2 %*	*84 - 117*			B1C0012	03/01/2021	*03/01/21 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 :	03/04/2021

Client Sample ID: MW-37

Lab ID: 2100401-08

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	0.05	1	B1B0463	02/24/2021	02/26/21 14:29	
Surrogate: 1,2-Dichlorobenzene-d4	*49.3 %*		*13 - 99*		B1B0463	02/24/2021	*02/26/21 14:29*	
Surrogate: 2-Fluorobiphenyl	*74.6 %*		*8 - 111*		B1B0463	02/24/2021	*02/26/21 14:29*	
Surrogate: 4-Terphenyl-d14	*55.0 %*		*12 - 113*		B1B0463	02/24/2021	*02/26/21 14:29*	
Surrogate: Nitrobenzene-d5	*54.6 %*		*15 - 121*		B1B0463	02/24/2021	*02/26/21 14:29*	

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 : 03/04/2021

Client Sample ID: MW-36

Lab ID: 2100401-09

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

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	0.11	1	B1B0423	02/23/2021	02/23/21 16:29	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 16:29	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0423	02/23/2021	02/23/21 16:29	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0423	02/23/2021	02/23/21 16:29	
1,1-Dichloroethane	**0.63**	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 16:29	
1,1-Dichloroethene	**80**	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 16:29	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 16:29	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 16:29	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 16:29	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0423	02/23/2021	02/23/21 16:29	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0423	02/23/2021	02/23/21 16:29	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 16:29	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 16:29	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 16:29	
Benzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
Bromobenzene	ND	0.50	0.21	1	B1B0423	02/23/2021	02/23/21 16:29	
Bromodichloromethane	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 16:29	
Bromoform	ND	0.50	0.20	1	B1B0423	02/23/2021	02/23/21 16:29	
Bromomethane	ND	0.50	0.40	1	B1B0423	02/23/2021	02/23/21 16:29	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 16:29	
Chlorobenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
Chloroethane	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 16:29	
Chloroform	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 16:29	
Chloromethane	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 16:29	
cis-1,2-Dichloroethene	ND	0.50	0.14	1	B1B0423	02/23/2021	02/23/21 16:29	
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
Dibromochloromethane	ND	0.50	0.16	1	B1B0423	02/23/2021	02/23/21 16:29	

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 : 03/04/2021

Client Sample ID: MW-36

Lab ID: 2100401-09

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0423	02/23/2021	02/23/21 16:29	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0423	02/23/2021	02/23/21 16:29	
Ethylbenzene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0423	02/23/2021	02/23/21 16:29	
Isopropylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 16:29	
m,p-Xylene	ND	1.0	0.19	1	B1B0423	02/23/2021	02/23/21 16:29	
Methylene chloride	ND	1.0	0.71	1	B1B0423	02/23/2021	02/23/21 16:29	
n-Butylbenzene	ND	0.50	0.11	1	B1B0423	02/23/2021	02/23/21 16:29	
n-Propylbenzene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 16:29	
Naphthalene	ND	0.50	0.41	1	B1B0423	02/23/2021	02/23/21 16:29	
o-Xylene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 16:29	
Styrene	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 16:29	
Tetrachloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 16:29	
Toluene	ND	0.50	0.12	1	B1B0423	02/23/2021	02/23/21 16:29	
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0423	02/23/2021	02/23/21 16:29	
Trichloroethene	ND	0.50	0.10	1	B1B0423	02/23/2021	02/23/21 16:29	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0423	02/23/2021	02/23/21 16:29	
Vinyl chloride	ND	0.50	0.13	1	B1B0423	02/23/2021	02/23/21 16:29	
Surrogate: 1,2-Dichloroethane-d4	*90.8 %*	*64 - 155*			B1B0423	02/23/2021	*02/23/21 16:29*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*73 - 124*			B1B0423	02/23/2021	*02/23/21 16:29*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*			B1B0423	02/23/2021	*02/23/21 16:29*	
Surrogate: Toluene-d8	*93.2 %*	*84 - 117*			B1B0423	02/23/2021	*02/23/21 16:29*	

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 :	03/04/2021

Client Sample ID: MW-36

Lab ID: 2100401-09

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**10**	2.0	0.84	1	B1B0481	02/24/2021	02/25/21 12:49	
Surrogate: 1,2-Dichlorobenzene-d4	*46.6 %*		*17 - 119*		B1B0481	02/24/2021	*02/25/21 12:49*	
Surrogate: 2-Fluorobiphenyl	*49.7 %*		*10 - 133*		B1B0481	02/24/2021	*02/25/21 12:49*	
Surrogate: 4-Terphenyl-d14	*68.2 %*		*5 - 139*		B1B0481	02/24/2021	*02/25/21 12:49*	
Surrogate: Nitrobenzene-d5	*54.2 %*		*13 - 150*		B1B0481	02/24/2021	*02/25/21 12:49*	

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 : 03/04/2021

Client Sample ID: MW-31

Lab ID: 2100401-10

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 20:58	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 20:58	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 20:58	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 20:58	
1,1-Dichloroethane	**0.50**	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:58	
1,1-Dichloroethene	**60**	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 20:58	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 20:58	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 20:58	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 20:58	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 20:58	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 20:58	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:58	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 20:58	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:58	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 20:58	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 20:58	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 20:58	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 20:58	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:58	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 20:58	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:58	
Chloromethane	**0.26**	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 20:58	J
cis-1,2-Dichloroethene	**0.21**	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 20:58	J
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 20:58	

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 :	03/04/2021

Client Sample ID: MW-31

Lab ID: 2100401-10

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 20:58	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 20:58	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 20:58	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:58	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 20:58	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 20:58	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 20:58	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:58	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 20:58	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:58	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:58	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:58	
Toluene	**0.14**	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 20:58	J
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 20:58	
Trichloroethene	**6.2**	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 20:58	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 20:58	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 20:58	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 20:58*	
Surrogate: 4-Bromofluorobenzene	*92.3 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 20:58*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 20:58*	
Surrogate: Toluene-d8	*101 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 20:58*	

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 :	03/04/2021

Client Sample ID: MW-31

Lab ID: 2100401-10

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**6.3**	2.0	0.84	1	B1B0481	02/24/2021	02/25/21 13:15	
Surrogate: 1,2-Dichlorobenzene-d4	*47.9 %*		*17 - 119*		B1B0481	02/24/2021	*02/25/21 13:15*	
Surrogate: 2-Fluorobiphenyl	*52.4 %*		*10 - 133*		B1B0481	02/24/2021	*02/25/21 13:15*	
Surrogate: 4-Terphenyl-d14	*67.4 %*		*5 - 139*		B1B0481	02/24/2021	*02/25/21 13:15*	
Surrogate: Nitrobenzene-d5	*56.7 %*		*13 - 150*		B1B0481	02/24/2021	*02/25/21 13:15*	

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 : 03/04/2021

Client Sample ID: MW-3100

Lab ID: 2100401-11

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

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	0.11	1	B1B0406	02/22/2021	02/22/21 21:39	
1,1,1-Trichloroethane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 21:39	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36	1	B1B0406	02/22/2021	02/22/21 21:39	
1,1,2-Trichloroethane	ND	0.50	0.25	1	B1B0406	02/22/2021	02/22/21 21:39	
1,1-Dichloroethane	**0.53**	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 21:39	
1,1-Dichloroethene	**62**	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
1,1-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2,3-Trichloropropane	ND	0.50	0.39	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2,3-Trichlorobenzene	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2,4-Trichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2,4-Trimethylbenzene	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2-Dibromoethane	ND	0.50	0.24	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2-Dichlorobenzene	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2-Dichloroethane	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 21:39	
1,2-Dichloropropane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 21:39	
1,3,5-Trimethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
1,3-Dichlorobenzene	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 21:39	
1,3-Dichloropropane	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 21:39	
1,4-Dichlorobenzene	ND	0.50	0.17	1	B1B0406	02/22/2021	02/22/21 21:39	
2,2-Dichloropropane	ND	0.50	0.38	1	B1B0406	02/22/2021	02/22/21 21:39	
2-Chlorotoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 21:39	
4-Chlorotoluene	ND	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 21:39	
4-Isopropyltoluene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 21:39	
Benzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
Bromobenzene	ND	0.50	0.21	1	B1B0406	02/22/2021	02/22/21 21:39	
Bromodichloromethane	ND	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 21:39	
Bromoform	ND	0.50	0.20	1	B1B0406	02/22/2021	02/22/21 21:39	
Bromomethane	ND	0.50	0.40	1	B1B0406	02/22/2021	02/22/21 21:39	
Carbon tetrachloride	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 21:39	
Chlorobenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
Chloroethane	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 21:39	
Chloroform	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 21:39	
Chloromethane	**0.17**	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 21:39	J
cis-1,2-Dichloroethene	**0.30**	0.50	0.14	1	B1B0406	02/22/2021	02/22/21 21:39	J
cis-1,3-Dichloropropene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
Dibromochloromethane	ND	0.50	0.16	1	B1B0406	02/22/2021	02/22/21 21:39	

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 :	03/04/2021

Client Sample ID: MW-3100

Lab ID: 2100401-11

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	0.19	1	B1B0406	02/22/2021	02/22/21 21:39	
Dichlorodifluoromethane	ND	0.50	0.18	1	B1B0406	02/22/2021	02/22/21 21:39	
Ethylbenzene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
Hexachlorobutadiene	ND	0.50	0.15	1	B1B0406	02/22/2021	02/22/21 21:39	
Isopropylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 21:39	
m,p-Xylene	ND	1.0	0.19	1	B1B0406	02/22/2021	02/22/21 21:39	
Methylene chloride	ND	1.0	0.71	1	B1B0406	02/22/2021	02/22/21 21:39	
n-Butylbenzene	ND	0.50	0.11	1	B1B0406	02/22/2021	02/22/21 21:39	
n-Propylbenzene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 21:39	
Naphthalene	ND	0.50	0.41	1	B1B0406	02/22/2021	02/22/21 21:39	
o-Xylene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
sec-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 21:39	
Styrene	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
tert-Butylbenzene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 21:39	
Tetrachloroethene	ND	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 21:39	
Toluene	**0.14**	0.50	0.12	1	B1B0406	02/22/2021	02/22/21 21:39	J
trans-1,2-Dichloroethene	ND	0.50	0.09	1	B1B0406	02/22/2021	02/22/21 21:39	
Trichloroethene	**6.2**	0.50	0.10	1	B1B0406	02/22/2021	02/22/21 21:39	
Trichlorofluoromethane	ND	0.50	0.23	1	B1B0406	02/22/2021	02/22/21 21:39	
Vinyl chloride	ND	0.50	0.13	1	B1B0406	02/22/2021	02/22/21 21:39	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*64 - 155*			B1B0406	02/22/2021	*02/22/21 21:39*	
Surrogate: 4-Bromofluorobenzene	*94.0 %*	*73 - 124*			B1B0406	02/22/2021	*02/22/21 21:39*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*			B1B0406	02/22/2021	*02/22/21 21:39*	
Surrogate: Toluene-d8	*99.9 %*	*84 - 117*			B1B0406	02/22/2021	*02/22/21 21:39*	

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 :	03/04/2021

Client Sample ID: MW-3100

Lab ID: 2100401-11

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

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	**5.9**	2.0	0.84	1	B1B0481	02/24/2021	02/25/21 13:42	
Surrogate: 1,2-Dichlorobenzene-d4	*49.4 %*		*17 - 119*		B1B0481	02/24/2021	*02/25/21 13:42*	
Surrogate: 2-Fluorobiphenyl	*53.2 %*		*10 - 133*		B1B0481	02/24/2021	*02/25/21 13:42*	
Surrogate: 4-Terphenyl-d14	*69.1 %*		*5 - 139*		B1B0481	02/24/2021	*02/25/21 13:42*	
Surrogate: Nitrobenzene-d5	*56.6 %*		*13 - 150*		B1B0481	02/24/2021	*02/25/21 13:42*	

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 : 03/04/2021

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 B1B0406 - MSVOA_LL_W										
Blank (B1B0406-BLK1)					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

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 : 03/04/2021

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 B1B0406 - MSVOA_LL_W (continued)										
Blank (B1B0406-BLK1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*26.69*			*25.0000*		*107*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*23.28*			*25.0000*		*93.1*	*73 - 124*			
Surrogate: Dibromofluoromethane	*26.02*			*25.0000*		*104*	*78 - 129*			
Surrogate: Toluene-d8	*24.75*			*25.0000*		*99.0*	*84 - 117*			
LCS (B1B0406-BS1)					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	18.7300	0.50	0.11	20.0000		93.6	79 - 116			
1,1,1-Trichloroethane	18.0500	0.50	0.21	20.0000		90.2	73 - 130			
1,1,2,2-Tetrachloroethane	19.6300	0.50	0.36	20.0000		98.2	71 - 122			
1,1,2-Trichloroethane	18.8600	0.50	0.25	20.0000		94.3	70 - 124			
1,1-Dichloroethane	18.4900	0.50	0.09	20.0000		92.4	69 - 128			
1,1-Dichloroethene	17.5800	0.50	0.13	20.0000		87.9	65 - 137			
1,1-Dichloropropene	18.6200	0.50	0.13	20.0000		93.1	74 - 129			
1,2,3-Trichloropropane	19.1700	0.50	0.39	20.0000		95.8	74 - 123			
1,2,3-Trichlorobenzene	17.5800	0.50	0.18	20.0000		87.9	59 - 130			
1,2,4-Trichlorobenzene	17.6300	0.50	0.16	20.0000		88.2	65 - 125			
1,2,4-Trimethylbenzene	19.0300	0.50	0.14	20.0000		95.2	88 - 124			
1,2-Dibromo-3-chloropropane	16.6700	0.50	0.41	20.0000		83.4	61 - 127			
1,2-Dibromoethane	19.3000	0.50	0.24	20.0000		96.5	72 - 125			
1,2-Dichlorobenzene	19.5600	0.50	0.20	20.0000		97.8	84 - 113			
1,2-Dichloroethane	18.9200	0.50	0.20	20.0000		94.6	68 - 130			
1,2-Dichloropropane	18.9300	0.50	0.15	20.0000		94.6	77 - 121			
1,3,5-Trimethylbenzene	18.5700	0.50	0.13	20.0000		92.8	83 - 124			

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 : 03/04/2021

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 B1B0406 - MSVOA_LL_W (continued)										
LCS (B1B0406-BS1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,3-Dichlorobenzene	18.2400	0.50	0.16	20.0000		91.2	83 - 112			
1,3-Dichloropropane	18.1700	0.50	0.21	20.0000		90.8	77 - 119			
1,4-Dichlorobenzene	18.0300	0.50	0.17	20.0000		90.2	79 - 115			
2,2-Dichloropropane	16.0700	0.50	0.38	20.0000		80.4	67 - 149			
2-Chlorotoluene	18.6400	0.50	0.11	20.0000		93.2	81 - 119			
4-Chlorotoluene	18.6800	0.50	0.12	20.0000		93.4	86 - 117			
4-Isopropyltoluene	18.7600	0.50	0.11	20.0000		93.8	82 - 131			
Benzene	19.7900	0.50	0.13	20.0000		99.0	75 - 124			
Bromobenzene	17.4700	0.50	0.21	20.0000		87.4	82 - 108			
Bromodichloromethane	18.9700	0.50	0.14	20.0000		94.8	80 - 120			
Bromoform	17.5300	0.50	0.20	20.0000		87.6	70 - 123			
Bromomethane	19.2900	0.50	0.40	20.0000		96.4	44 - 151			
Carbon tetrachloride	19.2500	0.50	0.09	20.0000		96.2	62 - 140			
Chlorobenzene	18.9300	0.50	0.13	20.0000		94.6	80 - 112			
Chloroethane	19.8800	0.50	0.15	20.0000		99.4	42 - 167			
Chloroform	18.6200	0.50	0.11	20.0000		93.1	77 - 122			
Chloromethane	22.9500	0.50	0.12	20.0000		115	33 - 153			
cis-1,2-Dichloroethene	18.8900	0.50	0.14	20.0000		94.4	75 - 121			
cis-1,3-Dichloropropene	17.3800	0.50	0.13	20.0000		86.9	73 - 127			
Dibromochloromethane	18.2300	0.50	0.16	20.0000		91.2	77 - 122			
Dibromomethane	19.9700	0.50	0.19	20.0000		99.8	75 - 121			
Dichlorodifluoromethane	35.2800	0.50	0.18	20.0000		176	0 - 171			L4
Ethylbenzene	18.3900	0.50	0.13	20.0000		92.0	82 - 119			
Hexachlorobutadiene	21.4000	0.50	0.15	20.0000		107	71 - 131			
Isopropylbenzene	18.0100	0.50	0.10	20.0000		90.0	75 - 126			
m,p-Xylene	38.2400	1.0	0.19	40.0000		95.6	86 - 119			
Methylene chloride	19.0500	1.0	0.71	20.0000		95.2	76 - 125			
n-Butylbenzene	17.8800	0.50	0.11	20.0000		89.4	81 - 125			
n-Propylbenzene	18.7600	0.50	0.10	20.0000		93.8	78 - 130			
Naphthalene	13.5300	0.50	0.41	20.0000		67.6	47 - 128			
o-Xylene	18.6200	0.50	0.13	20.0000		93.1	85 - 119			
sec-Butylbenzene	18.8500	0.50	0.09	20.0000		94.2	78 - 130			
Styrene	18.2100	0.50	0.13	20.0000		91.0	62 - 148			
tert-Butylbenzene	18.1600	0.50	0.09	20.0000		90.8	77 - 125			
Tetrachloroethene	19.3100	0.50	0.10	20.0000		96.6	73 - 120			
Toluene	19.7900	0.50	0.12	20.0000		99.0	79 - 119			
trans-1,2-Dichloroethene	19.3500	0.50	0.09	20.0000		96.8	70 - 129			
Trichloroethene	19.6000	0.50	0.10	20.0000		98.0	73 - 117			
Trichlorofluoromethane	27.2500	0.50	0.23	20.0000		136	59 - 135			L4
Vinyl chloride	22.6100	0.50	0.13	20.0000		113	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*25.28*			*25.0000*		*101*	*64 - 155*			

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 : 03/04/2021

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 B1B0406 - MSVOA_LL_W (continued)										
LCS (B1B0406-BS1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
Surrogate: 4-Bromofluorobenzene	*25.55*			*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.66*			*25.0000*		*103*	*78 - 129*			
Surrogate: Toluene-d8	*25.32*			*25.0000*		*101*	*84 - 117*			
LCS Dup (B1B0406-BSD1)					Prepared: 2/22/2021 Analyzed: 2/22/2021					
1,1,1,2-Tetrachloroethane	19.1100	0.50	0.11	20.0000		95.6	79 - 116	2.01	20	
1,1,1-Trichloroethane	19.1700	0.50	0.21	20.0000		95.8	73 - 130	6.02	20	
1,1,2,2-Tetrachloroethane	19.6600	0.50	0.36	20.0000		98.3	71 - 122	0.153	20	
1,1,2-Trichloroethane	20.8900	0.50	0.25	20.0000		104	70 - 124	10.2	20	
1,1-Dichloroethane	20.2300	0.50	0.09	20.0000		101	69 - 128	8.99	20	
1,1-Dichloroethene	18.9200	0.50	0.13	20.0000		94.6	65 - 137	7.34	20	
1,1-Dichloropropene	20.4700	0.50	0.13	20.0000		102	74 - 129	9.47	20	
1,2,3-Trichloropropane	19.3700	0.50	0.39	20.0000		96.8	74 - 123	1.04	20	
1,2,3-Trichlorobenzene	18.0400	0.50	0.18	20.0000		90.2	59 - 130	2.58	20	
1,2,4-Trichlorobenzene	17.9600	0.50	0.16	20.0000		89.8	65 - 125	1.85	20	
1,2,4-Trimethylbenzene	19.4900	0.50	0.14	20.0000		97.4	88 - 124	2.39	20	
1,2-Dibromo-3-chloropropane	16.8300	0.50	0.41	20.0000		84.2	61 - 127	0.955	20	
1,2-Dibromoethane	20.7800	0.50	0.24	20.0000		104	72 - 125	7.39	20	
1,2-Dichlorobenzene	19.8000	0.50	0.20	20.0000		99.0	84 - 113	1.22	20	
1,2-Dichloroethane	19.6200	0.50	0.20	20.0000		98.1	68 - 130	3.63	20	
1,2-Dichloropropane	20.3400	0.50	0.15	20.0000		102	77 - 121	7.18	20	
1,3,5-Trimethylbenzene	19.4800	0.50	0.13	20.0000		97.4	83 - 124	4.78	20	
1,3-Dichlorobenzene	19.0200	0.50	0.16	20.0000		95.1	83 - 112	4.19	20	
1,3-Dichloropropane	19.0600	0.50	0.21	20.0000		95.3	77 - 119	4.78	20	
1,4-Dichlorobenzene	18.4600	0.50	0.17	20.0000		92.3	79 - 115	2.36	20	
2,2-Dichloropropane	17.1500	0.50	0.38	20.0000		85.8	67 - 149	6.50	20	
2-Chlorotoluene	18.6900	0.50	0.11	20.0000		93.4	81 - 119	0.268	20	
4-Chlorotoluene	18.6700	0.50	0.12	20.0000		93.4	86 - 117	0.0535	20	
4-Isopropyltoluene	18.9200	0.50	0.11	20.0000		94.6	82 - 131	0.849	20	
Benzene	21.0500	0.50	0.13	20.0000		105	75 - 124	6.17	20	
Bromobenzene	17.5300	0.50	0.21	20.0000		87.6	82 - 108	0.343	20	
Bromodichloromethane	20.4000	0.50	0.14	20.0000		102	80 - 120	7.26	20	
Bromoform	18.6200	0.50	0.20	20.0000		93.1	70 - 123	6.03	20	
Bromomethane	21.3900	0.50	0.40	20.0000		107	44 - 151	10.3	20	
Carbon tetrachloride	20.5500	0.50	0.09	20.0000		103	62 - 140	6.53	20	
Chlorobenzene	20.3400	0.50	0.13	20.0000		102	80 - 112	7.18	20	
Chloroethane	22.5900	0.50	0.15	20.0000		113	42 - 167	12.8	20	
Chloroform	20.3300	0.50	0.11	20.0000		102	77 - 122	8.78	20	
Chloromethane	24.7400	0.50	0.12	20.0000		124	33 - 153	7.51	20	
cis-1,2-Dichloroethene	20.2400	0.50	0.14	20.0000		101	75 - 121	6.90	20	
cis-1,3-Dichloropropene	18.8700	0.50	0.13	20.0000		94.4	73 - 127	8.22	20	
Dibromochloromethane	19.0400	0.50	0.16	20.0000		95.2	77 - 122	4.35	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 : 03/04/2021

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 B1B0406 - MSVOA_LL_W (continued)										
LCS Dup (B1B0406-BSD1) - Continued					Prepared: 2/22/2021 Analyzed: 2/22/2021					
Dibromomethane	21.7100	0.50	0.19	20.0000		109	75 - 121	8.35	20	
Dichlorodifluoromethane	37.5000	0.50	0.18	20.0000		188	0 - 171	6.10	20	L4
Ethylbenzene	19.6700	0.50	0.13	20.0000		98.4	82 - 119	6.73	20	
Hexachlorobutadiene	21.5400	0.50	0.15	20.0000		108	71 - 131	0.652	20	
Isopropylbenzene	18.2100	0.50	0.10	20.0000		91.0	75 - 126	1.10	20	
m,p-Xylene	40.2300	1.0	0.19	40.0000		101	86 - 119	5.07	20	
Methylene chloride	20.6900	1.0	0.71	20.0000		103	76 - 125	8.25	20	
n-Butylbenzene	18.3400	0.50	0.11	20.0000		91.7	81 - 125	2.54	20	
n-Propylbenzene	18.7000	0.50	0.10	20.0000		93.5	78 - 130	0.320	20	
Naphthalene	14.4900	0.50	0.41	20.0000		72.4	47 - 128	6.85	20	
o-Xylene	19.7100	0.50	0.13	20.0000		98.6	85 - 119	5.69	20	
sec-Butylbenzene	19.0600	0.50	0.09	20.0000		95.3	78 - 130	1.11	20	
Styrene	19.6900	0.50	0.13	20.0000		98.4	62 - 148	7.81	20	
tert-Butylbenzene	18.7300	0.50	0.09	20.0000		93.6	77 - 125	3.09	20	
Tetrachloroethene	20.7400	0.50	0.10	20.0000		104	73 - 120	7.14	20	
Toluene	21.4200	0.50	0.12	20.0000		107	79 - 119	7.91	20	
trans-1,2-Dichloroethene	20.2500	0.50	0.09	20.0000		101	70 - 129	4.55	20	
Trichloroethene	21.0900	0.50	0.10	20.0000		105	73 - 117	7.32	20	
Trichlorofluoromethane	27.6100	0.50	0.23	20.0000		138	59 - 135	1.31	20	L4
Vinyl chloride	25.3900	0.50	0.13	20.0000		127	58 - 132	11.6	20	
Surrogate: 1,2-Dichloroethane-d4	*25.73*			*25.0000*		*103*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.57*			*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.11*			*25.0000*		*100*	*78 - 129*			
Surrogate: Toluene-d8	*25.71*			*25.0000*		*103*	*84 - 117*			

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 : 03/04/2021

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 B1B0423 - MSVOA_LL_W										
Blank (B1B0423-BLK1)					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Blank (B1B0423-BLK1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*22.52*			*25.0000*		*90.1*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.19*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.49*			*25.0000*		*102*	*78 - 129*			
Surrogate: Toluene-d8	*24.22*			*25.0000*		*96.9*	*84 - 117*			
LCS (B1B0423-BS1)					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	19.8300	0.50	0.11	20.0000		99.2	79 - 116			
1,1,1-Trichloroethane	18.4900	0.50	0.21	20.0000		92.4	73 - 130			
1,1,2,2-Tetrachloroethane	17.9200	0.50	0.36	20.0000		89.6	71 - 122			
1,1,2-Trichloroethane	18.0800	0.50	0.25	20.0000		90.4	70 - 124			
1,1-Dichloroethane	17.3100	0.50	0.09	20.0000		86.6	69 - 128			
1,1-Dichloroethene	19.1200	0.50	0.13	20.0000		95.6	65 - 137			
1,1-Dichloropropene	22.6600	0.50	0.13	20.0000		113	74 - 129			
1,2,3-Trichloropropane	18.4500	0.50	0.39	20.0000		92.2	74 - 123			
1,2,3-Trichlorobenzene	18.2800	0.50	0.18	20.0000		91.4	59 - 130			
1,2,4-Trichlorobenzene	18.0700	0.50	0.16	20.0000		90.4	65 - 125			
1,2,4-Trimethylbenzene	19.2800	0.50	0.14	20.0000		96.4	88 - 124			
1,2-Dibromo-3-chloropropane	19.2600	0.50	0.41	20.0000		96.3	61 - 127			
1,2-Dibromoethane	19.3700	0.50	0.24	20.0000		96.8	72 - 125			
1,2-Dichlorobenzene	18.6000	0.50	0.20	20.0000		93.0	84 - 113			
1,2-Dichloroethane	19.5300	0.50	0.20	20.0000		97.6	68 - 130			
1,2-Dichloropropane	16.5600	0.50	0.15	20.0000		82.8	77 - 121			
1,3,5-Trimethylbenzene	19.5700	0.50	0.13	20.0000		97.8	83 - 124			
1,3-Dichlorobenzene	18.8500	0.50	0.16	20.0000		94.2	83 - 112			
1,3-Dichloropropane	19.5600	0.50	0.21	20.0000		97.8	77 - 119			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
LCS (B1B0423-BS1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,4-Dichlorobenzene	18.0100	0.50	0.17	20.0000		90.0	79 - 115			
2,2-Dichloropropane	19.0100	0.50	0.38	20.0000		95.0	67 - 149			
2-Chlorotoluene	18.9400	0.50	0.11	20.0000		94.7	81 - 119			
4-Chlorotoluene	18.7300	0.50	0.12	20.0000		93.6	86 - 117			
4-Isopropyltoluene	19.1200	0.50	0.11	20.0000		95.6	82 - 131			
Benzene	22.2000	0.50	0.13	20.0000		111	75 - 124			
Bromobenzene	18.4400	0.50	0.21	20.0000		92.2	82 - 108			
Bromodichloromethane	18.9400	0.50	0.14	20.0000		94.7	80 - 120			
Bromoform	22.2100	0.50	0.20	20.0000		111	70 - 123			
Bromomethane	20.4800	0.50	0.40	20.0000		102	44 - 151			
Carbon tetrachloride	22.3300	0.50	0.09	20.0000		112	62 - 140			
Chlorobenzene	18.8600	0.50	0.13	20.0000		94.3	80 - 112			
Chloroethane	18.2600	0.50	0.15	20.0000		91.3	42 - 167			
Chloroform	17.5900	0.50	0.11	20.0000		88.0	77 - 122			
Chloromethane	17.7600	0.50	0.12	20.0000		88.8	33 - 153			
cis-1,2-Dichloroethene	18.5400	0.50	0.14	20.0000		92.7	75 - 121			
cis-1,3-Dichloropropene	19.0700	0.50	0.13	20.0000		95.4	73 - 127			
Dibromochloromethane	18.2100	0.50	0.16	20.0000		91.0	77 - 122			
Dibromomethane	18.4500	0.50	0.19	20.0000		92.2	75 - 121			
Dichlorodifluoromethane	19.4000	0.50	0.18	20.0000		97.0	0 - 171			
Ethylbenzene	20.1500	0.50	0.13	20.0000		101	82 - 119			
Hexachlorobutadiene	19.4900	0.50	0.15	20.0000		97.4	71 - 131			
Isopropylbenzene	19.1100	0.50	0.10	20.0000		95.6	75 - 126			
m,p-Xylene	41.1500	1.0	0.19	40.0000		103	86 - 119			
Methylene chloride	18.7700	1.0	0.71	20.0000		93.8	76 - 125			
n-Butylbenzene	19.9100	0.50	0.11	20.0000		99.6	81 - 125			
n-Propylbenzene	19.6700	0.50	0.10	20.0000		98.4	78 - 130			
Naphthalene	18.7400	0.50	0.41	20.0000		93.7	47 - 128			
o-Xylene	20.8200	0.50	0.13	20.0000		104	85 - 119			
sec-Butylbenzene	19.4400	0.50	0.09	20.0000		97.2	78 - 130			
Styrene	20.4900	0.50	0.13	20.0000		102	62 - 148			
tert-Butylbenzene	18.6300	0.50	0.09	20.0000		93.2	77 - 125			
Tetrachloroethene	19.7700	0.50	0.10	20.0000		98.8	73 - 120			
Toluene	18.4200	0.50	0.12	20.0000		92.1	79 - 119			
trans-1,2-Dichloroethene	18.7600	0.50	0.09	20.0000		93.8	70 - 129			
Trichloroethene	18.9600	0.50	0.10	20.0000		94.8	73 - 117			
Trichlorofluoromethane	19.4900	0.50	0.23	20.0000		97.4	59 - 135			
Vinyl chloride	17.5800	0.50	0.13	20.0000		87.9	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.82*			*25.0000*		*87.3*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.41*			*25.0000*		*106*	*73 - 124*			
Surrogate: Dibromofluoromethane	*24.81*			*25.0000*		*99.2*	*78 - 129*			

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 : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
LCS (B1B0423-BS1) - Continued						Prepared: 2/23/2021 Analyzed: 2/23/2021				
Surrogate: Toluene-d8	*24.13*			*25.0000*		*96.5*	*84 - 117*			
LCS Dup (B1B0423-BSD1)						Prepared: 2/23/2021 Analyzed: 2/23/2021				
1,1,1,2-Tetrachloroethane	21.3000	0.50	0.11	20.0000		106	79 - 116	7.15	20	
1,1,1-Trichloroethane	20.4600	0.50	0.21	20.0000		102	73 - 130	10.1	20	
1,1,2,2-Tetrachloroethane	20.3400	0.50	0.36	20.0000		102	71 - 122	12.7	20	
1,1,2-Trichloroethane	20.7500	0.50	0.25	20.0000		104	70 - 124	13.8	20	
1,1-Dichloroethane	19.1100	0.50	0.09	20.0000		95.6	69 - 128	9.88	20	
1,1-Dichloroethene	21.3000	0.50	0.13	20.0000		106	65 - 137	10.8	20	
1,1-Dichloropropene	24.4300	0.50	0.13	20.0000		122	74 - 129	7.52	20	
1,2,3-Trichloropropane	20.1300	0.50	0.39	20.0000		101	74 - 123	8.71	20	
1,2,3-Trichlorobenzene	19.6500	0.50	0.18	20.0000		98.2	59 - 130	7.22	20	
1,2,4-Trichlorobenzene	19.2200	0.50	0.16	20.0000		96.1	65 - 125	6.17	20	
1,2,4-Trimethylbenzene	19.8600	0.50	0.14	20.0000		99.3	88 - 124	2.96	20	
1,2-Dibromo-3-chloropropane	22.4300	0.50	0.41	20.0000		112	61 - 127	15.2	20	
1,2-Dibromoethane	21.6100	0.50	0.24	20.0000		108	72 - 125	10.9	20	
1,2-Dichlorobenzene	19.7200	0.50	0.20	20.0000		98.6	84 - 113	5.85	20	
1,2-Dichloroethane	21.4900	0.50	0.20	20.0000		107	68 - 130	9.56	20	
1,2-Dichloropropane	18.3300	0.50	0.15	20.0000		91.6	77 - 121	10.1	20	
1,3,5-Trimethylbenzene	19.7100	0.50	0.13	20.0000		98.6	83 - 124	0.713	20	
1,3-Dichlorobenzene	19.6900	0.50	0.16	20.0000		98.4	83 - 112	4.36	20	
1,3-Dichloropropane	22.0500	0.50	0.21	20.0000		110	77 - 119	12.0	20	
1,4-Dichlorobenzene	18.8900	0.50	0.17	20.0000		94.4	79 - 115	4.77	20	
2,2-Dichloropropane	20.9500	0.50	0.38	20.0000		105	67 - 149	9.71	20	
2-Chlorotoluene	19.9600	0.50	0.11	20.0000		99.8	81 - 119	5.24	20	
4-Chlorotoluene	19.4500	0.50	0.12	20.0000		97.2	86 - 117	3.77	20	
4-Isopropyltoluene	19.7100	0.50	0.11	20.0000		98.6	82 - 131	3.04	20	
Benzene	22.5600	0.50	0.13	20.0000		113	75 - 124	1.61	20	
Bromobenzene	19.1500	0.50	0.21	20.0000		95.8	82 - 108	3.78	20	
Bromodichloromethane	21.0500	0.50	0.14	20.0000		105	80 - 120	10.6	20	
Bromoform	24.5400	0.50	0.20	20.0000		123	70 - 123	9.97	20	
Bromomethane	23.3500	0.50	0.40	20.0000		117	44 - 151	13.1	20	
Carbon tetrachloride	23.6800	0.50	0.09	20.0000		118	62 - 140	5.87	20	
Chlorobenzene	19.5100	0.50	0.13	20.0000		97.6	80 - 112	3.39	20	
Chloroethane	20.3500	0.50	0.15	20.0000		102	42 - 167	10.8	20	
Chloroform	20.1900	0.50	0.11	20.0000		101	77 - 122	13.8	20	
Chloromethane	20.5500	0.50	0.12	20.0000		103	33 - 153	14.6	20	
cis-1,2-Dichloroethene	21.0700	0.50	0.14	20.0000		105	75 - 121	12.8	20	
cis-1,3-Dichloropropene	21.0700	0.50	0.13	20.0000		105	73 - 127	9.97	20	
Dibromochloromethane	20.1900	0.50	0.16	20.0000		101	77 - 122	10.3	20	
Dibromomethane	20.5200	0.50	0.19	20.0000		103	75 - 121	10.6	20	
Dichlorodifluoromethane	21.1400	0.50	0.18	20.0000		106	0 - 171	8.58	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 : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
LCS Dup (B1B0423-BSD1) - Continued					Prepared: 2/23/2021 Analyzed: 2/23/2021					
Ethylbenzene	21.3700	0.50	0.13	20.0000		107	82 - 119	5.88	20	
Hexachlorobutadiene	19.5400	0.50	0.15	20.0000		97.7	71 - 131	0.256	20	
Isopropylbenzene	19.9100	0.50	0.10	20.0000		99.6	75 - 126	4.10	20	
m,p-Xylene	42.9000	1.0	0.19	40.0000		107	86 - 119	4.16	20	
Methylene chloride	21.3700	1.0	0.71	20.0000		107	76 - 125	13.0	20	
n-Butylbenzene	20.3000	0.50	0.11	20.0000		102	81 - 125	1.94	20	
n-Propylbenzene	20.0400	0.50	0.10	20.0000		100	78 - 130	1.86	20	
Naphthalene	20.8200	0.50	0.41	20.0000		104	47 - 128	10.5	20	
o-Xylene	22.0600	0.50	0.13	20.0000		110	85 - 119	5.78	20	
sec-Butylbenzene	20.0400	0.50	0.09	20.0000		100	78 - 130	3.04	20	
Styrene	21.6900	0.50	0.13	20.0000		108	62 - 148	5.69	20	
tert-Butylbenzene	19.3900	0.50	0.09	20.0000		97.0	77 - 125	4.00	20	
Tetrachloroethene	20.7400	0.50	0.10	20.0000		104	73 - 120	4.79	20	
Toluene	19.7400	0.50	0.12	20.0000		98.7	79 - 119	6.92	20	
trans-1,2-Dichloroethene	20.8900	0.50	0.09	20.0000		104	70 - 129	10.7	20	
Trichloroethene	18.6000	0.50	0.10	20.0000		93.0	73 - 117	1.92	20	
Trichlorofluoromethane	21.3700	0.50	0.23	20.0000		107	59 - 135	9.20	20	
Vinyl chloride	19.1600	0.50	0.13	20.0000		95.8	58 - 132	8.60	20	
Surrogate: 1,2-Dichloroethane-d4	*23.43*			*25.0000*		*93.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.56*			*25.0000*		*106*	*73 - 124*			
Surrogate: Dibromofluoromethane	*26.84*			*25.0000*		*107*	*78 - 129*			
Surrogate: Toluene-d8	*25.14*			*25.0000*		*101*	*84 - 117*			
Duplicate (B1B0423-DUP1)			**Source: 2100417-01**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11		ND			NR	20	
1,1,1-Trichloroethane	ND	0.50	0.21		ND			NR	20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36		ND			NR	20	
1,1,2-Trichloroethane	ND	0.50	0.25		ND			NR	20	
1,1-Dichloroethane	ND	0.50	0.09		ND			NR	20	
1,1-Dichloroethene	ND	0.50	0.13		ND			NR	20	
1,1-Dichloropropene	ND	0.50	0.13		ND			NR	20	
1,2,3-Trichloropropane	ND	0.50	0.39		ND			NR	20	
1,2,3-Trichlorobenzene	ND	0.50	0.18		ND			NR	20	
1,2,4-Trichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,2,4-Trimethylbenzene	ND	0.50	0.14		ND			NR	20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41		ND			NR	20	
1,2-Dibromoethane	ND	0.50	0.24		ND			NR	20	
1,2-Dichlorobenzene	ND	0.50	0.20		ND			NR	20	
1,2-Dichloroethane	ND	0.50	0.20		ND			NR	20	
1,2-Dichloropropane	ND	0.50	0.15		ND			NR	20	
1,3,5-Trimethylbenzene	ND	0.50	0.13		ND			NR	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 : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Duplicate (B1B0423-DUP1) - Continued			**Source: 2100417-01**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,3-Dichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,3-Dichloropropane	ND	0.50	0.21		ND			NR	20	
1,4-Dichlorobenzene	ND	0.50	0.17		ND			NR	20	
2,2-Dichloropropane	ND	0.50	0.38		ND			NR	20	
2-Chlorotoluene	ND	0.50	0.11		ND			NR	20	
4-Chlorotoluene	ND	0.50	0.12		ND			NR	20	
4-Isopropyltoluene	ND	0.50	0.11		ND			NR	20	
Benzene	ND	0.50	0.13		ND			NR	20	
Bromobenzene	ND	0.50	0.21		ND			NR	20	
Bromodichloromethane	8.07000	0.50	0.14		7.99000			0.996	20	
Bromoform	ND	0.50	0.20		ND			NR	20	
Bromomethane	ND	0.50	0.40		ND			NR	20	
Carbon tetrachloride	0.420000	0.50	0.09		0.410000			2.41	20	J
Chlorobenzene	ND	0.50	0.13		ND			NR	20	
Chloroethane	ND	0.50	0.15		ND			NR	20	
Chloroform	19.0700	0.50	0.11		18.7800			1.53	20	
Chloromethane	ND	0.50	0.12		ND			NR	20	
cis-1,2-Dichloroethene	ND	0.50	0.14		ND			NR	20	
cis-1,3-Dichloropropene	ND	0.50	0.13		ND			NR	20	
Dibromochloromethane	2.36000	0.50	0.16		2.13000			10.2	20	
Dibromomethane	ND	0.50	0.19		ND			NR	20	
Dichlorodifluoromethane	ND	0.50	0.18		ND			NR	20	
Ethylbenzene	ND	0.50	0.13		ND			NR	20	
Hexachlorobutadiene	ND	0.50	0.15		ND			NR	20	
Isopropylbenzene	ND	0.50	0.10		ND			NR	20	
m,p-Xylene	ND	1.0	0.19		ND			NR	20	
Methylene chloride	0.730000	1.0	0.71		0.720000			1.38	20	J
n-Butylbenzene	ND	0.50	0.11		ND			NR	20	
n-Propylbenzene	ND	0.50	0.10		ND			NR	20	
Naphthalene	ND	0.50	0.41		ND			NR	20	
o-Xylene	ND	0.50	0.13		ND			NR	20	
sec-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Styrene	ND	0.50	0.13		ND			NR	20	
tert-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Tetrachloroethene	ND	0.50	0.10		ND			NR	20	
Toluene	ND	0.50	0.12		ND			NR	20	
trans-1,2-Dichloroethene	ND	0.50	0.09		ND			NR	20	
Trichloroethene	ND	0.50	0.10		ND			NR	20	
Trichlorofluoromethane	ND	0.50	0.23		ND			NR	20	
Vinyl chloride	ND	0.50	0.13		ND			NR	20	
Surrogate: 1,2-Dichloroethane-d4	*21.91*			*25.0000*		*87.6*	*64 - 155*			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
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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 B1B0423 - MSVOA_LL_W (continued)									
Duplicate (B1B0423-DUP1) - Continued			**Source: 2100417-01**		Prepared: 2/23/2021 Analyzed: 2/23/2021				
Surrogate: 4-Bromofluorobenzene	*25.44*		*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethane	*25.37*		*25.0000*		*101*	*78 - 129*			
Surrogate: Toluene-d8	*24.45*		*25.0000*		*97.8*	*84 - 117*			
Matrix Spike (B1B0423-MS1)			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021				
1,1,1,2-Tetrachloroethane	15.9200	0.50	0.11	20.0000	ND	79.6	81 - 133		M2
1,1,1-Trichloroethane	15.9600	0.50	0.21	20.0000	ND	79.8	93 - 149		M2
1,1,2,2-Tetrachloroethane	14.5400	0.50	0.36	20.0000	ND	72.7	69 - 151		
1,1,2-Trichloroethane	14.1400	0.50	0.25	20.0000	ND	70.7	78 - 130		M2
1,1-Dichloroethane	14.7900	0.50	0.09	20.0000	ND	74.0	68 - 135		
1,1-Dichloroethene	17.2100	0.50	0.13	20.0000	0.290000	84.6	77 - 134		
1,1-Dichloropropene	19.3800	0.50	0.13	20.0000	ND	96.9	91 - 138		
1,2,3-Trichloropropane	14.5800	0.50	0.39	20.0000	ND	72.9	77 - 136		M2
1,2,3-Trichlorobenzene	14.6700	0.50	0.18	20.0000	ND	73.4	72 - 129		
1,2,4-Trichlorobenzene	14.5500	0.50	0.16	20.0000	ND	72.8	64 - 135		
1,2,4-Trimethylbenzene	15.9200	0.50	0.14	20.0000	ND	79.6	10 - 179		
1,2-Dibromo-3-chloropropane	15.1600	0.50	0.41	20.0000	ND	75.8	62 - 153		
1,2-Dibromoethane	14.2000	0.50	0.24	20.0000	ND	71.0	80 - 132		M2
1,2-Dichlorobenzene	14.7900	0.50	0.20	20.0000	ND	74.0	81 - 131		M2
1,2-Dichloroethane	15.7300	0.50	0.20	20.0000	ND	78.6	68 - 146		
1,2-Dichloropropane	13.6500	0.50	0.15	20.0000	ND	68.2	74 - 136		M2
1,3,5-Trimethylbenzene	16.1900	0.50	0.13	20.0000	ND	81.0	66 - 149		
1,3-Dichlorobenzene	15.2400	0.50	0.16	20.0000	ND	76.2	79 - 128		M2
1,3-Dichloropropane	15.8100	0.50	0.21	20.0000	ND	79.0	80 - 129		M2
1,4-Dichlorobenzene	14.6400	0.50	0.17	20.0000	ND	73.2	84 - 121		M2
2,2-Dichloropropane	16.6300	0.50	0.38	20.0000	ND	83.2	63 - 179		
2-Chlorotoluene	15.5000	0.50	0.11	20.0000	ND	77.5	76 - 142		
4-Chlorotoluene	15.4000	0.50	0.12	20.0000	ND	77.0	72 - 152		
4-Isopropyltoluene	15.9600	0.50	0.11	20.0000	ND	79.8	84 - 141		M2
Benzene	17.3200	0.50	0.13	20.0000	ND	86.6	79 - 131		
Bromobenzene	14.5600	0.50	0.21	20.0000	ND	72.8	82 - 121		M2
Bromodichloromethane	15.1800	0.50	0.14	20.0000	ND	75.9	86 - 138		M2
Bromoform	16.9300	0.50	0.20	20.0000	ND	84.6	80 - 136		
Bromomethane	17.0700	0.50	0.40	20.0000	ND	85.4	35 - 194		
Carbon tetrachloride	18.7100	0.50	0.09	20.0000	ND	93.6	73 - 176		
Chlorobenzene	14.9800	0.50	0.13	20.0000	ND	74.9	81 - 124		M2
Chloroethane	14.0000	0.50	0.15	20.0000	ND	70.0	0 - 257		
Chloroform	15.1500	0.50	0.11	20.0000	ND	75.8	76 - 139		M2
Chloromethane	13.6400	0.50	0.12	20.0000	ND	68.2	27 - 144		
cis-1,2-Dichloroethene	15.9500	0.50	0.14	20.0000	ND	79.8	69 - 139		
cis-1,3-Dichloropropene	15.3800	0.50	0.13	20.0000	ND	76.9	67 - 149		
Dibromochloromethane	14.3300	0.50	0.16	20.0000	ND	71.6	91 - 131		M2

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 : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Matrix Spike (B1B0423-MS1) - Continued			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
Dibromomethane	14.8500	0.50	0.19	20.0000	ND	74.2	70 - 134			
Dichlorodifluoromethane	15.5500	0.50	0.18	20.0000	ND	77.8	0 - 161			
Ethylbenzene	16.4100	0.50	0.13	20.0000	ND	82.0	89 - 134			M2
Hexachlorobutadiene	15.9900	0.50	0.15	20.0000	ND	80.0	73 - 137			
Isopropylbenzene	16.2800	0.50	0.10	20.0000	ND	81.4	72 - 152			
m,p-Xylene	33.6800	1.0	0.19	40.0000	ND	84.2	82 - 141			
Methylene chloride	15.8900	1.0	0.71	20.0000	ND	79.4	74 - 133			
n-Butylbenzene	16.7100	0.50	0.11	20.0000	ND	83.6	65 - 164			
n-Propylbenzene	16.4500	0.50	0.10	20.0000	ND	82.2	73 - 161			
Naphthalene	14.5200	0.50	0.41	20.0000	ND	72.6	59 - 105			
o-Xylene	16.8400	0.50	0.13	20.0000	ND	84.2	90 - 134			M2
sec-Butylbenzene	16.3100	0.50	0.09	20.0000	ND	81.6	80 - 157			
Styrene	16.2800	0.50	0.13	20.0000	ND	81.4	0 - 222			
tert-Butylbenzene	15.8500	0.50	0.09	20.0000	ND	79.2	88 - 141			M2
Tetrachloroethene	16.5800	0.50	0.10	20.0000	ND	82.9	75 - 136			
Toluene	14.6600	0.50	0.12	20.0000	ND	73.3	82 - 132			M2
trans-1,2-Dichloroethene	16.3400	0.50	0.09	20.0000	ND	81.7	65 - 135			
Trichloroethene	15.2000	0.50	0.10	20.0000	ND	76.0	75 - 128			
Trichlorofluoromethane	15.0100	0.50	0.23	20.0000	ND	75.0	89 - 143			M2
Vinyl chloride	13.7900	0.50	0.13	20.0000	ND	69.0	50 - 148			
Surrogate: 1,2-Dichloroethane-d4	*22.55*			*25.0000*		*90.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.90*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethane	*26.37*			*25.0000*		*105*	*78 - 129*			
Surrogate: Toluene-d8	*24.26*			*25.0000*		*97.0*	*84 - 117*			
Matrix Spike Dup (B1B0423-MSD1)			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,1,1,2-Tetrachloroethane	18.2900	0.50	0.11	20.0000	ND	91.4	81 - 133	13.9	20	
1,1,1-Trichloroethane	18.0600	0.50	0.21	20.0000	ND	90.3	93 - 149	12.3	20	M2
1,1,2,2-Tetrachloroethane	17.8600	0.50	0.36	20.0000	ND	89.3	69 - 151	20.5	20	R
1,1,2-Trichloroethane	16.7200	0.50	0.25	20.0000	ND	83.6	78 - 130	16.7	20	
1,1-Dichloroethane	16.7300	0.50	0.09	20.0000	ND	83.6	68 - 135	12.3	20	
1,1-Dichloroethene	19.6400	0.50	0.13	20.0000	0.290000	96.8	77 - 134	13.2	20	
1,1-Dichloropropene	21.8800	0.50	0.13	20.0000	ND	109	91 - 138	12.1	20	
1,2,3-Trichloropropane	17.7800	0.50	0.39	20.0000	ND	88.9	77 - 136	19.8	20	
1,2,3-Trichlorobenzene	16.8800	0.50	0.18	20.0000	ND	84.4	72 - 129	14.0	20	
1,2,4-Trichlorobenzene	16.9100	0.50	0.16	20.0000	ND	84.6	64 - 135	15.0	20	
1,2,4-Trimethylbenzene	17.9700	0.50	0.14	20.0000	ND	89.8	10 - 179	12.1	20	
1,2-Dibromo-3-chloropropane	17.8300	0.50	0.41	20.0000	ND	89.2	62 - 153	16.2	20	
1,2-Dibromoethane	17.4200	0.50	0.24	20.0000	ND	87.1	80 - 132	20.4	20	R
1,2-Dichlorobenzene	17.2800	0.50	0.20	20.0000	ND	86.4	81 - 131	15.5	20	
1,2-Dichloroethane	17.5800	0.50	0.20	20.0000	ND	87.9	68 - 146	11.1	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 : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B1B0423-MSD1) - Continued			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021					
1,2-Dichloropropane	15.7300	0.50	0.15	20.0000	ND	78.6	74 - 136	14.2	20	
1,3,5-Trimethylbenzene	18.3500	0.50	0.13	20.0000	ND	91.8	66 - 149	12.5	20	
1,3-Dichlorobenzene	17.5000	0.50	0.16	20.0000	ND	87.5	79 - 128	13.8	20	
1,3-Dichloropropane	18.2700	0.50	0.21	20.0000	ND	91.4	80 - 129	14.4	20	
1,4-Dichlorobenzene	16.8100	0.50	0.17	20.0000	ND	84.0	84 - 121	13.8	20	
2,2-Dichloropropane	18.7100	0.50	0.38	20.0000	ND	93.6	63 - 179	11.8	20	
2-Chlorotoluene	17.5800	0.50	0.11	20.0000	ND	87.9	76 - 142	12.6	20	
4-Chlorotoluene	17.4200	0.50	0.12	20.0000	ND	87.1	72 - 152	12.3	20	
4-Isopropyltoluene	17.9200	0.50	0.11	20.0000	ND	89.6	84 - 141	11.6	20	
Benzene	19.9900	0.50	0.13	20.0000	ND	100	79 - 131	14.3	20	
Bromobenzene	16.3700	0.50	0.21	20.0000	ND	81.8	82 - 121	11.7	20	M2
Bromodichloromethane	17.6000	0.50	0.14	20.0000	ND	88.0	86 - 138	14.8	20	
Bromoform	20.3500	0.50	0.20	20.0000	ND	102	80 - 136	18.3	20	
Bromomethane	18.4200	0.50	0.40	20.0000	ND	92.1	35 - 194	7.61	20	
Carbon tetrachloride	20.9800	0.50	0.09	20.0000	ND	105	73 - 176	11.4	20	
Chlorobenzene	16.9300	0.50	0.13	20.0000	ND	84.6	81 - 124	12.2	20	
Chloroethane	16.0800	0.50	0.15	20.0000	ND	80.4	0 - 257	13.8	20	
Chloroform	17.0400	0.50	0.11	20.0000	ND	85.2	76 - 139	11.7	20	
Chloromethane	15.8900	0.50	0.12	20.0000	ND	79.4	27 - 144	15.2	20	
cis-1,2-Dichloroethene	18.2300	0.50	0.14	20.0000	ND	91.2	69 - 139	13.3	20	
cis-1,3-Dichloropropene	17.7100	0.50	0.13	20.0000	ND	88.6	67 - 149	14.1	20	
Dibromochloromethane	16.3100	0.50	0.16	20.0000	ND	81.6	91 - 131	12.9	20	M2
Dibromomethane	17.0700	0.50	0.19	20.0000	ND	85.4	70 - 134	13.9	20	
Dichlorodifluoromethane	18.3800	0.50	0.18	20.0000	ND	91.9	0 - 161	16.7	20	
Ethylbenzene	18.6700	0.50	0.13	20.0000	ND	93.4	89 - 134	12.9	20	
Hexachlorobutadiene	17.9000	0.50	0.15	20.0000	ND	89.5	73 - 137	11.3	20	
Isopropylbenzene	18.1000	0.50	0.10	20.0000	ND	90.5	72 - 152	10.6	20	
m,p-Xylene	37.6600	1.0	0.19	40.0000	ND	94.2	82 - 141	11.2	20	
Methylene chloride	17.9300	1.0	0.71	20.0000	ND	89.6	74 - 133	12.1	20	
n-Butylbenzene	18.4500	0.50	0.11	20.0000	ND	92.2	65 - 164	9.90	20	
n-Propylbenzene	18.3900	0.50	0.10	20.0000	ND	92.0	73 - 161	11.1	20	
Naphthalene	17.7200	0.50	0.41	20.0000	ND	88.6	59 - 105	19.9	20	
o-Xylene	18.5300	0.50	0.13	20.0000	ND	92.6	90 - 134	9.56	20	
sec-Butylbenzene	18.3700	0.50	0.09	20.0000	ND	91.8	80 - 157	11.9	20	
Styrene	18.1200	0.50	0.13	20.0000	ND	90.6	0 - 222	10.7	20	
tert-Butylbenzene	17.6700	0.50	0.09	20.0000	ND	88.4	88 - 141	10.9	20	
Tetrachloroethene	18.4400	0.50	0.10	20.0000	ND	92.2	75 - 136	10.6	20	
Toluene	16.8200	0.50	0.12	20.0000	ND	84.1	82 - 132	13.7	20	
trans-1,2-Dichloroethene	18.6000	0.50	0.09	20.0000	ND	93.0	65 - 135	12.9	20	
Trichloroethene	17.2800	0.50	0.10	20.0000	ND	86.4	75 - 128	12.8	20	
Trichlorofluoromethane	17.8800	0.50	0.23	20.0000	ND	89.4	89 - 143	17.5	20	
Vinyl chloride	15.8000	0.50	0.13	20.0000	ND	79.0	50 - 148	13.6	20	

Hargis & Associates, Inc.	Project Number : Raytheon Main, 532.30
9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 03/04/2021

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 B1B0423 - MSVOA_LL_W (continued)									
Matrix Spike Dup (B1B0423-MSD1) - Continued			**Source: 2100412-07**		Prepared: 2/23/2021 Analyzed: 2/23/2021				
Surrogate: 1,2-Dichloroethane-d4	*22.62*		*25.0000*		*90.5*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.03*		*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethane	*26.27*		*25.0000*		*105*	*78 - 129*			
Surrogate: Toluene-d8	*24.01*		*25.0000*		*96.0*	*84 - 117*			

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 : 03/04/2021

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 B1C0012 - MSVOA_LL_W										
Blank (B1C0012-BLK1)							Prepared: 3/1/2021 Analyzed: 3/1/2021			
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/04/2021

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 B1C0012 - MSVOA_LL_W (continued)										
Blank (B1C0012-BLK1) - Continued					Prepared: 3/1/2021 Analyzed: 3/1/2021					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*21.37*			*25.0000*		*85.5*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*23.73*			*25.0000*		*94.9*	*73 - 124*			
Surrogate: Dibromofluoromethane	*23.15*			*25.0000*		*92.6*	*78 - 129*			
Surrogate: Toluene-d8	*24.19*			*25.0000*		*96.8*	*84 - 117*			
LCS (B1C0012-BS1)					Prepared: 3/1/2021 Analyzed: 3/1/2021					
1,1,1,2-Tetrachloroethane	21.8600	0.50	0.11	20.0000		109	79 - 116			
1,1,1-Trichloroethane	19.4900	0.50	0.21	20.0000		97.4	73 - 130			
1,1,2,2-Tetrachloroethane	22.2100	0.50	0.36	20.0000		111	71 - 122			
1,1,2-Trichloroethane	20.3900	0.50	0.25	20.0000		102	70 - 124			
1,1-Dichloroethane	17.4200	0.50	0.09	20.0000		87.1	69 - 128			
1,1-Dichloroethene	20.2400	0.50	0.13	20.0000		101	65 - 137			
1,1-Dichloropropene	21.4200	0.50	0.13	20.0000		107	74 - 129			
1,2,3-Trichloropropane	20.9800	0.50	0.39	20.0000		105	74 - 123			
1,2,3-Trichlorobenzene	20.8700	0.50	0.18	20.0000		104	59 - 130			
1,2,4-Trichlorobenzene	19.8100	0.50	0.16	20.0000		99.0	65 - 125			
1,2,4-Trimethylbenzene	19.3000	0.50	0.14	20.0000		96.5	88 - 124			
1,2-Dibromo-3-chloropropane	27.6000	0.50	0.41	20.0000		138	61 - 127			L4
1,2-Dibromoethane	22.0900	0.50	0.24	20.0000		110	72 - 125			
1,2-Dichlorobenzene	20.3600	0.50	0.20	20.0000		102	84 - 113			
1,2-Dichloroethane	20.1400	0.50	0.20	20.0000		101	68 - 130			
1,2-Dichloropropane	18.8400	0.50	0.15	20.0000		94.2	77 - 121			
1,3,5-Trimethylbenzene	19.5600	0.50	0.13	20.0000		97.8	83 - 124			
1,3-Dichlorobenzene	20.0600	0.50	0.16	20.0000		100	83 - 112			
1,3-Dichloropropane	22.0700	0.50	0.21	20.0000		110	77 - 119			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main, 532.30
Report To : Steve Netto
Reported : 03/04/2021

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 B1C0012 - MSVOA_LL_W (continued)										
LCS (B1C0012-BS1) - Continued					Prepared: 3/1/2021 Analyzed: 3/1/2021					
1,4-Dichlorobenzene	19.6100	0.50	0.17	20.0000		98.0	79 - 115			
2,2-Dichloropropane	20.4300	0.50	0.38	20.0000		102	67 - 149			
2-Chlorotoluene	19.1100	0.50	0.11	20.0000		95.6	81 - 119			
4-Chlorotoluene	19.1200	0.50	0.12	20.0000		95.6	86 - 117			
4-Isopropyltoluene	19.5100	0.50	0.11	20.0000		97.6	82 - 131			
Benzene	21.2300	0.50	0.13	20.0000		106	75 - 124			
Bromobenzene	19.9400	0.50	0.21	20.0000		99.7	82 - 108			
Bromodichloromethane	20.8000	0.50	0.14	20.0000		104	80 - 120			
Bromoform	26.1900	0.50	0.20	20.0000		131	70 - 123			L4
Bromomethane	20.1500	0.50	0.40	20.0000		101	44 - 151			
Carbon tetrachloride	21.8800	0.50	0.09	20.0000		109	62 - 140			
Chlorobenzene	20.1900	0.50	0.13	20.0000		101	80 - 112			
Chloroethane	17.6400	0.50	0.15	20.0000		88.2	42 - 167			
Chloroform	18.6500	0.50	0.11	20.0000		93.2	77 - 122			
Chloromethane	18.1200	0.50	0.12	20.0000		90.6	33 - 153			
cis-1,2-Dichloroethene	18.6400	0.50	0.14	20.0000		93.2	75 - 121			
cis-1,3-Dichloropropene	19.1200	0.50	0.13	20.0000		95.6	73 - 127			
Dibromochloromethane	20.5600	0.50	0.16	20.0000		103	77 - 122			
Dibromomethane	20.5700	0.50	0.19	20.0000		103	75 - 121			
Dichlorodifluoromethane	20.0200	0.50	0.18	20.0000		100	0 - 171			
Ethylbenzene	22.4300	0.50	0.13	20.0000		112	82 - 119			
Hexachlorobutadiene	20.8400	0.50	0.15	20.0000		104	71 - 131			
Isopropylbenzene	18.8900	0.50	0.10	20.0000		94.4	75 - 126			
m,p-Xylene	43.0400	1.0	0.19	40.0000		108	86 - 119			
Methylene chloride	19.9400	1.0	0.71	20.0000		99.7	76 - 125			
n-Butylbenzene	19.8400	0.50	0.11	20.0000		99.2	81 - 125			
n-Propylbenzene	19.9400	0.50	0.10	20.0000		99.7	78 - 130			
Naphthalene	22.5000	0.50	0.41	20.0000		112	47 - 128			
o-Xylene	22.0500	0.50	0.13	20.0000		110	85 - 119			
sec-Butylbenzene	19.8900	0.50	0.09	20.0000		99.4	78 - 130			
Styrene	22.3200	0.50	0.13	20.0000		112	62 - 148			
tert-Butylbenzene	18.9500	0.50	0.09	20.0000		94.8	77 - 125			
Tetrachloroethene	22.1000	0.50	0.10	20.0000		110	73 - 120			
Toluene	20.2300	0.50	0.12	20.0000		101	79 - 119			
trans-1,2-Dichloroethene	19.7100	0.50	0.09	20.0000		98.6	70 - 129			
Trichloroethene	20.5300	0.50	0.10	20.0000		103	73 - 117			
Trichlorofluoromethane	20.2200	0.50	0.23	20.0000		101	59 - 135			
Vinyl chloride	17.2000	0.50	0.13	20.0000		86.0	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.21*			*25.0000*		*84.8*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.28*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethane	*23.98*			*25.0000*		*95.9*	*78 - 129*			

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 : 03/04/2021

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 B1C0012 - MSVOA_LL_W (continued)										
LCS (B1C0012-BS1) - Continued						Prepared: 3/1/2021 Analyzed: 3/1/2021				
Surrogate: Toluene-d8	*23.75*			*25.0000*		*95.0*	*84 - 117*			
LCS Dup (B1C0012-BSD1)						Prepared: 3/1/2021 Analyzed: 3/1/2021				
1,1,1,2-Tetrachloroethane	21.9700	0.50	0.11	20.0000		110	79 - 116	0.502	20	
1,1,1-Trichloroethane	20.0400	0.50	0.21	20.0000		100	73 - 130	2.78	20	
1,1,2,2-Tetrachloroethane	22.0400	0.50	0.36	20.0000		110	71 - 122	0.768	20	
1,1,2-Trichloroethane	20.8300	0.50	0.25	20.0000		104	70 - 124	2.13	20	
1,1-Dichloroethane	17.9400	0.50	0.09	20.0000		89.7	69 - 128	2.94	20	
1,1-Dichloroethene	20.7200	0.50	0.13	20.0000		104	65 - 137	2.34	20	
1,1-Dichloropropene	21.8900	0.50	0.13	20.0000		109	74 - 129	2.17	20	
1,2,3-Trichloropropane	21.6500	0.50	0.39	20.0000		108	74 - 123	3.14	20	
1,2,3-Trichlorobenzene	22.0200	0.50	0.18	20.0000		110	59 - 130	5.36	20	
1,2,4-Trichlorobenzene	20.7200	0.50	0.16	20.0000		104	65 - 125	4.49	20	
1,2,4-Trimethylbenzene	21.0500	0.50	0.14	20.0000		105	88 - 124	8.67	20	
1,2-Dibromo-3-chloropropane	28.6100	0.50	0.41	20.0000		143	61 - 127	3.59	20	L5
1,2-Dibromoethane	22.3800	0.50	0.24	20.0000		112	72 - 125	1.30	20	
1,2-Dichlorobenzene	21.5900	0.50	0.20	20.0000		108	84 - 113	5.86	20	
1,2-Dichloroethane	20.5700	0.50	0.20	20.0000		103	68 - 130	2.11	20	
1,2-Dichloropropane	19.2500	0.50	0.15	20.0000		96.2	77 - 121	2.15	20	
1,3,5-Trimethylbenzene	20.9100	0.50	0.13	20.0000		105	83 - 124	6.67	20	
1,3-Dichlorobenzene	21.1400	0.50	0.16	20.0000		106	83 - 112	5.24	20	
1,3-Dichloropropane	22.9600	0.50	0.21	20.0000		115	77 - 119	3.95	20	
1,4-Dichlorobenzene	20.7500	0.50	0.17	20.0000		104	79 - 115	5.65	20	
2,2-Dichloropropane	20.7000	0.50	0.38	20.0000		104	67 - 149	1.31	20	
2-Chlorotoluene	19.9900	0.50	0.11	20.0000		100	81 - 119	4.50	20	
4-Chlorotoluene	20.3900	0.50	0.12	20.0000		102	86 - 117	6.43	20	
4-Isopropyltoluene	21.1000	0.50	0.11	20.0000		106	82 - 131	7.83	20	
Benzene	22.0600	0.50	0.13	20.0000		110	75 - 124	3.83	20	
Bromobenzene	21.0500	0.50	0.21	20.0000		105	82 - 108	5.42	20	
Bromodichloromethane	20.4600	0.50	0.14	20.0000		102	80 - 120	1.65	20	
Bromoform	26.3500	0.50	0.20	20.0000		132	70 - 123	0.609	20	L4
Bromomethane	21.7200	0.50	0.40	20.0000		109	44 - 151	7.50	20	
Carbon tetrachloride	22.3700	0.50	0.09	20.0000		112	62 - 140	2.21	20	
Chlorobenzene	20.7700	0.50	0.13	20.0000		104	80 - 112	2.83	20	
Chloroethane	17.8500	0.50	0.15	20.0000		89.2	42 - 167	1.18	20	
Chloroform	19.1100	0.50	0.11	20.0000		95.6	77 - 122	2.44	20	
Chloromethane	19.0300	0.50	0.12	20.0000		95.2	33 - 153	4.90	20	
cis-1,2-Dichloroethene	19.6100	0.50	0.14	20.0000		98.0	75 - 121	5.07	20	
cis-1,3-Dichloropropene	19.1200	0.50	0.13	20.0000		95.6	73 - 127	0.00	20	
Dibromochloromethane	20.5600	0.50	0.16	20.0000		103	77 - 122	0.00	20	
Dibromomethane	21.8200	0.50	0.19	20.0000		109	75 - 121	5.90	20	
Dichlorodifluoromethane	20.7100	0.50	0.18	20.0000		104	0 - 171	3.39	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 : 03/04/2021

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 B1C0012 - MSVOA_LL_W (continued)										
LCS Dup (B1C0012-BSD1) - Continued					Prepared: 3/1/2021 Analyzed: 3/1/2021					
Ethylbenzene	23.0100	0.50	0.13	20.0000		115	82 - 119	2.55	20	
Hexachlorobutadiene	21.9300	0.50	0.15	20.0000		110	71 - 131	5.10	20	
Isopropylbenzene	19.9200	0.50	0.10	20.0000		99.6	75 - 126	5.31	20	
m,p-Xylene	43.9800	1.0	0.19	40.0000		110	86 - 119	2.16	20	
Methylene chloride	20.8700	1.0	0.71	20.0000		104	76 - 125	4.56	20	
n-Butylbenzene	21.0000	0.50	0.11	20.0000		105	81 - 125	5.68	20	
n-Propylbenzene	21.1200	0.50	0.10	20.0000		106	78 - 130	5.75	20	
Naphthalene	23.6900	0.50	0.41	20.0000		118	47 - 128	5.15	20	
o-Xylene	22.4900	0.50	0.13	20.0000		112	85 - 119	1.98	20	
sec-Butylbenzene	21.2400	0.50	0.09	20.0000		106	78 - 130	6.56	20	
Styrene	22.7000	0.50	0.13	20.0000		114	62 - 148	1.69	20	
tert-Butylbenzene	20.2700	0.50	0.09	20.0000		101	77 - 125	6.73	20	
Tetrachloroethene	22.1700	0.50	0.10	20.0000		111	73 - 120	0.316	20	
Toluene	20.5200	0.50	0.12	20.0000		103	79 - 119	1.42	20	
trans-1,2-Dichloroethene	20.8600	0.50	0.09	20.0000		104	70 - 129	5.67	20	
Trichloroethene	20.9900	0.50	0.10	20.0000		105	73 - 117	2.22	20	
Trichlorofluoromethane	21.1800	0.50	0.23	20.0000		106	59 - 135	4.64	20	
Vinyl chloride	17.3700	0.50	0.13	20.0000		86.8	58 - 132	0.984	20	
Surrogate: 1,2-Dichloroethane-d4	*21.29*			*25.0000*		*85.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.23*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethane	*24.59*			*25.0000*		*98.4*	*78 - 129*			
Surrogate: Toluene-d8	*23.43*			*25.0000*		*93.7*	*84 - 117*			

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 : 03/04/2021

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 B1B0481 - MSSEMI_W										
Blank (B1B0481-BLK1)						Prepared: 2/24/2021 Analyzed: 2/25/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d4	*50.92*			*100.000*		*50.9*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*58.52*			*100.000*		*58.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*72.68*			*100.000*		*72.7*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*61.07*			*100.000*		*61.1*	*13 - 150*			
LCS (B1B0481-BS1)						Prepared: 2/24/2021 Analyzed: 2/25/2021				
1,4-Dioxane	115.420	2.0	0.84	100.000		115	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d4	*45.60*			*100.000*		*45.6*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*59.79*			*100.000*		*59.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*73.30*			*100.000*		*73.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*61.95*			*100.000*		*62.0*	*13 - 150*			
LCS Dup (B1B0481-BSD1)						Prepared: 2/24/2021 Analyzed: 2/25/2021				
1,4-Dioxane	114.420	2.0	0.84	100.000		114	75 - 155	0.870	20	
Surrogate: 1,2-Dichlorobenzene-d4	*48.47*			*100.000*		*48.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*64.83*			*100.000*		*64.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*71.36*			*100.000*		*71.4*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*66.12*			*100.000*		*66.1*	*13 - 150*			

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 : 03/04/2021

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 B1B0463 - MSSEMI_W										
Blank (B1B0463-BLK1)					Prepared: 2/24/2021 Analyzed: 2/26/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d4	*0.7211*			*1.00000*		*72.1*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.000*			*1.00000*		*100*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9574*			*1.00000*		*95.7*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.7017*			*1.00000*		*70.2*	*15 - 121*			
LCS (B1B0463-BS1)					Prepared: 2/24/2021 Analyzed: 2/26/2021					
1,4-Dioxane	1.62361	0.20	0.05	1.00000		162	75 - 155			L2
Surrogate: 1,2-Dichlorobenzene-d4	*0.7134*			*1.00000*		*71.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.056*			*1.00000*		*106*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9396*			*1.00000*		*94.0*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.7270*			*1.00000*		*72.7*	*15 - 121*			
LCS Dup (B1B0463-BSD1)					Prepared: 2/24/2021 Analyzed: 2/26/2021					
1,4-Dioxane	1.74649	0.20	0.05	1.00000		175	75 - 155	7.29	20	L2
Surrogate: 1,2-Dichlorobenzene-d4	*0.6937*			*1.00000*		*69.4*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.014*			*1.00000*		*101*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9213*			*1.00000*		*92.1*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6915*			*1.00000*		*69.2*	*15 - 121*			

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 :	03/04/2021

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.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L2	Laboratory control sample outside of acceptance limits. Reextraction and/or reanalysis is not possible due to limited amount of sample.
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

2100401

Date: 2/19/21
Page 1 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Andrew Donnelly, Ryne Adams

SAMPLE COLLECTION

LAB ID	SAMPLE ID	Date	Time	Groundwater	Lab prepared water	Hydrochloric Acid (HCl)	NaOH/AlCl3	NaOH/Zn	Ice	40-ml VOA	1 L Amber	250-ml poly	250-ml Amber	VOCs by EPA 8260B	1,4 Dioxane 8270 SIM	1,4-Dioxane 8270 MOD	CO2 by SM4500	Dissolved Sulfide by SM4500 S2-d	Total Sulfide by SM-4500 S2-d	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
2100401-01	TB-021921A	2/19/21	0800		X	X			X	2				X						X						X			Report J Flags
-02	MW-18		0938	X		X			X	3				X						X						X			
	↓		↓	X					X		1				X											X			
-03	MW-13		1034	X		X			X	3				X						X						X			
	↓		↓	X					X		1				X											X			
-04	MW-15		1214	X		X			X	3				X							X					X			
-05	MW-08		1302	X		X			X	3				X							X					X			
	↓		↓	X					X		1				X											X			
-06	MW-20		1447	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
Ann Donnelly / H+A	2/19/21 1550	Max Rothschild	2/19/21 1550
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Max Rothschild	2/19/21 1625	/ ATL	2/19/21 1625

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

4.4 °C Temperature on receipt
ice
SCIR+11

Laboratory
ATL
Attn: Tina Nguyen
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
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.

HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

2100401

Date: 02/19/2021
Page 2 of 2

PROJECT: Raytheon Main

TASK NO.: 532.30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858.455.6500
Fax 858.455.6533

Sampled By: A. Janzon, C. Diaz

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	NaOH/AlCl3	NaOH/Zn	Ice	CONTAINERS: 40-ml VOA	1 L Amber	250-ml poly	250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	1,4 Dioxane 8270 SIM	1,4-Dioxane 8270 MOD	CO2 by SM4500	Dissolved Sulfide by SM4500 S2-d	Total Sulfide by SM-4500 S2-d	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
2100401-07	MW-32C	02/19/2021	1010	X		X			X	3				X							X						X		
	↓	↓	↓	X					X		1				X												X		
-08	MW-37		1116	X		X			X	3				X							X						X		
	↓	↓	↓	X					X		1				X												X		
-09	MW-36		1419	X		X			X	3				X							X						X		
	↓	↓	↓	X					X		1				X												X		
-10	MW-31		1517	X		X			X	3				X								X					X		
	↓	↓	↓	X					X		1				X												X		
-11	MW-3100		1522	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
Andrew Donnelly / H+A	2/19/21 1550	Max Rothschild	2/19/21 1550
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Max Rothschild	2/19/21 1625	/ATL	2/19/21 1625

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

4.4°c Temperature on receipt
ice
sam11

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

REMARKS
Report J Flags

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.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-51598-1
Client Project/Site: Raytheon / 532.30

For:
Hargis + Associates, Inc.
La Jolla Gateway
9171 Towne Centre Drive
Suite 375
San Diego, California 92122

Attn: Steve Netto

Virendra R Patel

Authorized for release by:
3/2/2021 1:13:02 PM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 12
Isotope Dilution Summary 13
QC Sample Results 14
QC Association Summary 21
Lab Chronicle 22
Certification Summary 23
Method Summary 24
Sample Summary 25
Chain of Custody 26
Receipt Checklists 27

Definitions/Glossary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-51598-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-51598-1

Comments
No additional comments.

Receipt
The samples were received on 2/18/2021 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-132458.

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

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Detection Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Client Sample ID: TB-021721B — Lab Sample ID: 570-51598-1

No Detections.

Client Sample ID: MW-41 — Lab Sample ID: 570-51598-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.62		0.50	0.39	ug/L	1		8260B	Total/NA
Chloroform	0.55		0.50	0.28	ug/L	1		8260B	Total/NA

Client Sample ID: MW-42 — Lab Sample ID: 570-51598-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.50		0.50	0.35	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	30		0.50	0.39	ug/L	1		8260B	Total/NA
1,4-Dioxane	1.3		0.50	0.34	ug/L	1		8270C SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-021721B
Date Collected: 02/17/21 13:00
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			02/27/21 14:04	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			02/27/21 14:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			02/27/21 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			02/27/21 14:04	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			02/27/21 14:04	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			02/27/21 14:04	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			02/27/21 14:04	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			02/27/21 14:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			02/27/21 14:04	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			02/27/21 14:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			02/27/21 14:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			02/27/21 14:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			02/27/21 14:04	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			02/27/21 14:04	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			02/27/21 14:04	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			02/27/21 14:04	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			02/27/21 14:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			02/27/21 14:04	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			02/27/21 14:04	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			02/27/21 14:04	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			02/27/21 14:04	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			02/27/21 14:04	1
2-Butanone	ND		5.0	3.0	ug/L			02/27/21 14:04	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			02/27/21 14:04	1
2-Hexanone	ND		6.0	4.3	ug/L			02/27/21 14:04	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			02/27/21 14:04	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			02/27/21 14:04	1
Acetone	ND		8.0	4.0	ug/L			02/27/21 14:04	1
Benzene	ND		0.50	0.27	ug/L			02/27/21 14:04	1
Bromobenzene	ND		0.50	0.26	ug/L			02/27/21 14:04	1
Bromochloromethane	ND		1.0	0.35	ug/L			02/27/21 14:04	1
Bromodichloromethane	ND		0.50	0.22	ug/L			02/27/21 14:04	1
Bromoform	ND		0.50	0.39	ug/L			02/27/21 14:04	1
Bromomethane	ND		1.0	0.93	ug/L			02/27/21 14:04	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			02/27/21 14:04	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			02/27/21 14:04	1
Carbon disulfide	ND		1.0	0.24	ug/L			02/27/21 14:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			02/27/21 14:04	1
Chlorobenzene	ND		0.50	0.24	ug/L			02/27/21 14:04	1
Chloroethane	ND		0.50	0.44	ug/L			02/27/21 14:04	1
Chloroform	ND		0.50	0.28	ug/L			02/27/21 14:04	1
Chloromethane	ND		1.0	0.29	ug/L			02/27/21 14:04	1
Dibromochloromethane	ND		0.50	0.27	ug/L			02/27/21 14:04	1
Dibromomethane	ND		0.50	0.23	ug/L			02/27/21 14:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/27/21 14:04	1
Ethylbenzene	ND		0.50	0.36	ug/L			02/27/21 14:04	1
Isopropylbenzene	ND		0.50	0.38	ug/L			02/27/21 14:04	1
Methylene Chloride	ND		1.0	0.48	ug/L			02/27/21 14:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			02/27/21 14:04	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-021721B
Date Collected: 02/17/21 13:00
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.32	ug/L			02/27/21 14:04	1
n-Butylbenzene	ND		0.50	0.29	ug/L			02/27/21 14:04	1
N-Propylbenzene	ND		0.50	0.39	ug/L			02/27/21 14:04	1
o-Xylene	ND		0.50	0.35	ug/L			02/27/21 14:04	1
m,p-Xylene	ND		1.0	0.78	ug/L			02/27/21 14:04	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			02/27/21 14:04	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 14:04	1
Styrene	ND		0.50	0.28	ug/L			02/27/21 14:04	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			02/27/21 14:04	1
trans-1,3-Dichloropropene	ND		0.50	0.17	ug/L			02/27/21 14:04	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 14:04	1
Tetrachloroethene	ND		0.50	0.29	ug/L			02/27/21 14:04	1
Toluene	ND		0.50	0.33	ug/L			02/27/21 14:04	1
Trichloroethene	ND		0.50	0.29	ug/L			02/27/21 14:04	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			02/27/21 14:04	1
Vinyl acetate	ND		5.0	3.1	ug/L			02/27/21 14:04	1
Vinyl chloride	ND		0.50	0.40	ug/L			02/27/21 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 128*		*02/27/21 14:04*	*1*
4-Bromofluorobenzene (Surr)	*95*		*68 - 120*		*02/27/21 14:04*	*1*
Dibromofluoromethane	*100*		*80 - 127*		*02/27/21 14:04*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/27/21 14:04*	*1*

Client Sample ID: MW-41
Date Collected: 02/17/21 13:25
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			02/27/21 14:34	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			02/27/21 14:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			02/27/21 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			02/27/21 14:34	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			02/27/21 14:34	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			02/27/21 14:34	1
1,1-Dichloroethene	**0.62**		0.50	0.39	ug/L			02/27/21 14:34	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			02/27/21 14:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			02/27/21 14:34	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			02/27/21 14:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			02/27/21 14:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			02/27/21 14:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			02/27/21 14:34	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			02/27/21 14:34	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			02/27/21 14:34	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			02/27/21 14:34	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			02/27/21 14:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			02/27/21 14:34	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			02/27/21 14:34	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			02/27/21 14:34	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			02/27/21 14:34	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			02/27/21 14:34	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-41
Date Collected: 02/17/21 13:25
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	3.0	ug/L			02/27/21 14:34	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			02/27/21 14:34	1
2-Hexanone	ND		6.0	4.3	ug/L			02/27/21 14:34	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			02/27/21 14:34	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			02/27/21 14:34	1
Acetone	ND		8.0	4.0	ug/L			02/27/21 14:34	1
Benzene	ND		0.50	0.27	ug/L			02/27/21 14:34	1
Bromobenzene	ND		0.50	0.26	ug/L			02/27/21 14:34	1
Bromochloromethane	ND		1.0	0.35	ug/L			02/27/21 14:34	1
Bromodichloromethane	ND		0.50	0.22	ug/L			02/27/21 14:34	1
Bromoform	ND		0.50	0.39	ug/L			02/27/21 14:34	1
Bromomethane	ND		1.0	0.93	ug/L			02/27/21 14:34	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			02/27/21 14:34	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			02/27/21 14:34	1
Carbon disulfide	ND		1.0	0.24	ug/L			02/27/21 14:34	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			02/27/21 14:34	1
Chlorobenzene	ND		0.50	0.24	ug/L			02/27/21 14:34	1
Chloroethane	ND		0.50	0.44	ug/L			02/27/21 14:34	1
Chloroform	**0.55**		0.50	0.28	ug/L			02/27/21 14:34	1
Chloromethane	ND		1.0	0.29	ug/L			02/27/21 14:34	1
Dibromochloromethane	ND		0.50	0.27	ug/L			02/27/21 14:34	1
Dibromomethane	ND		0.50	0.23	ug/L			02/27/21 14:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/27/21 14:34	1
Ethylbenzene	ND		0.50	0.36	ug/L			02/27/21 14:34	1
Isopropylbenzene	ND		0.50	0.38	ug/L			02/27/21 14:34	1
Methylene Chloride	ND		1.0	0.48	ug/L			02/27/21 14:34	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			02/27/21 14:34	1
Naphthalene	ND		1.0	0.32	ug/L			02/27/21 14:34	1
n-Butylbenzene	ND		0.50	0.29	ug/L			02/27/21 14:34	1
N-Propylbenzene	ND		0.50	0.39	ug/L			02/27/21 14:34	1
o-Xylene	ND		0.50	0.35	ug/L			02/27/21 14:34	1
m,p-Xylene	ND		1.0	0.78	ug/L			02/27/21 14:34	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			02/27/21 14:34	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 14:34	1
Styrene	ND		0.50	0.28	ug/L			02/27/21 14:34	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			02/27/21 14:34	1
trans-1,3-Dichloropropene	ND		0.50	0.17	ug/L			02/27/21 14:34	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 14:34	1
Tetrachloroethene	ND		0.50	0.29	ug/L			02/27/21 14:34	1
Toluene	ND		0.50	0.33	ug/L			02/27/21 14:34	1
Trichloroethene	ND		0.50	0.29	ug/L			02/27/21 14:34	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			02/27/21 14:34	1
Vinyl acetate	ND		5.0	3.1	ug/L			02/27/21 14:34	1
Vinyl chloride	ND		0.50	0.40	ug/L			02/27/21 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 128*		*02/27/21 14:34*	*1*
4-Bromofluorobenzene (Surr)	*93*		*68 - 120*		*02/27/21 14:34*	*1*
Dibromofluoromethane	*94*		*80 - 127*		*02/27/21 14:34*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/27/21 14:34*	*1*

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: MW-42
Date Collected: 02/18/21 10:17
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			02/27/21 15:04	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			02/27/21 15:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			02/27/21 15:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			02/27/21 15:04	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			02/27/21 15:04	1
1,1-Dichloroethane	**0.50**		0.50	0.35	ug/L			02/27/21 15:04	1
1,1-Dichloroethene	**30**		0.50	0.39	ug/L			02/27/21 15:04	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			02/27/21 15:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			02/27/21 15:04	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			02/27/21 15:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			02/27/21 15:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			02/27/21 15:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			02/27/21 15:04	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			02/27/21 15:04	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			02/27/21 15:04	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			02/27/21 15:04	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			02/27/21 15:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			02/27/21 15:04	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			02/27/21 15:04	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			02/27/21 15:04	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			02/27/21 15:04	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			02/27/21 15:04	1
2-Butanone	ND		5.0	3.0	ug/L			02/27/21 15:04	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			02/27/21 15:04	1
2-Hexanone	ND		6.0	4.3	ug/L			02/27/21 15:04	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			02/27/21 15:04	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			02/27/21 15:04	1
Acetone	ND		8.0	4.0	ug/L			02/27/21 15:04	1
Benzene	ND		0.50	0.27	ug/L			02/27/21 15:04	1
Bromobenzene	ND		0.50	0.26	ug/L			02/27/21 15:04	1
Bromochloromethane	ND		1.0	0.35	ug/L			02/27/21 15:04	1
Bromodichloromethane	ND		0.50	0.22	ug/L			02/27/21 15:04	1
Bromoform	ND		0.50	0.39	ug/L			02/27/21 15:04	1
Bromomethane	ND		1.0	0.93	ug/L			02/27/21 15:04	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			02/27/21 15:04	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			02/27/21 15:04	1
Carbon disulfide	ND		1.0	0.24	ug/L			02/27/21 15:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			02/27/21 15:04	1
Chlorobenzene	ND		0.50	0.24	ug/L			02/27/21 15:04	1
Chloroethane	ND		0.50	0.44	ug/L			02/27/21 15:04	1
Chloroform	ND		0.50	0.28	ug/L			02/27/21 15:04	1
Chloromethane	ND		1.0	0.29	ug/L			02/27/21 15:04	1
Dibromochloromethane	ND		0.50	0.27	ug/L			02/27/21 15:04	1
Dibromomethane	ND		0.50	0.23	ug/L			02/27/21 15:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/27/21 15:04	1
Ethylbenzene	ND		0.50	0.36	ug/L			02/27/21 15:04	1
Isopropylbenzene	ND		0.50	0.38	ug/L			02/27/21 15:04	1
Methylene Chloride	ND		1.0	0.48	ug/L			02/27/21 15:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			02/27/21 15:04	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-42
Date Collected: 02/18/21 10:17
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.32	ug/L			02/27/21 15:04	1
n-Butylbenzene	ND		0.50	0.29	ug/L			02/27/21 15:04	1
N-Propylbenzene	ND		0.50	0.39	ug/L			02/27/21 15:04	1
o-Xylene	ND		0.50	0.35	ug/L			02/27/21 15:04	1
m,p-Xylene	ND		1.0	0.78	ug/L			02/27/21 15:04	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			02/27/21 15:04	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 15:04	1
Styrene	ND		0.50	0.28	ug/L			02/27/21 15:04	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			02/27/21 15:04	1
trans-1,3-Dichloropropene	ND		0.50	0.17	ug/L			02/27/21 15:04	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 15:04	1
Tetrachloroethene	ND		0.50	0.29	ug/L			02/27/21 15:04	1
Toluene	ND		0.50	0.33	ug/L			02/27/21 15:04	1
Trichloroethene	ND		0.50	0.29	ug/L			02/27/21 15:04	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			02/27/21 15:04	1
Vinyl acetate	ND		5.0	3.1	ug/L			02/27/21 15:04	1
Vinyl chloride	ND		0.50	0.40	ug/L			02/27/21 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*80 - 128*		*02/27/21 15:04*	*1*
4-Bromofluorobenzene (Surr)	*93*		*68 - 120*		*02/27/21 15:04*	*1*
Dibromofluoromethane	*98*		*80 - 127*		*02/27/21 15:04*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/27/21 15:04*	*1*

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Client Sample ID: MW-41
Date Collected: 02/17/21 13:25
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.34	ug/L		02/23/21 06:56	02/23/21 17:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*50*		*15 - 150*	*02/23/21 06:56*	*02/23/21 17:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*93*		*46 - 128*	*02/23/21 06:56*	*02/23/21 17:45*	*1*

Client Sample ID: MW-42
Date Collected: 02/18/21 10:17
Date Received: 02/18/21 17:30

Lab Sample ID: 570-51598-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**1.3**		0.50	0.34	ug/L		02/23/21 06:56	02/23/21 18:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*54*		*15 - 150*	*02/23/21 06:56*	*02/23/21 18:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*46 - 128*	*02/23/21 06:56*	*02/23/21 18:00*	*1*

Surrogate Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-128)	(68-120)	(80-127)	(80-120)
570-51598-1	TB-021721B	90	95	100	104
570-51598-2	MW-41	91	93	94	105
570-51598-3	MW-42	87	93	98	104
LCS 570-132458/4	Lab Control Sample	92	99	98	101
LCSD 570-132458/5	Lab Control Sample Dup	92	97	97	103
MB 570-132458/7	Method Blank	89	94	98	105

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		NBZ
Lab Sample ID	Client Sample ID	(46-128)
570-51372-I-1-A MS	Matrix Spike	90
570-51372-I-1-B MSD	Matrix Spike Duplicate	86
570-51598-2	MW-41	93
570-51598-3	MW-42	76
LCS 570-131076/2-A	Lab Control Sample	81
LCSD 570-131076/3-A	Lab Control Sample Dup	92
MB 570-131076/1-A	Method Blank	95

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)
		DXE
Lab Sample ID	Client Sample ID	(15-150)
570-51372-I-1-A MS	Matrix Spike	62
570-51372-I-1-B MSD	Matrix Spike Duplicate	58
570-51598-2	MW-41	50
570-51598-3	MW-42	54
LCS 570-131076/2-A	Lab Control Sample	54
LCSD 570-131076/3-A	Lab Control Sample Dup	54
MB 570-131076/1-A	Method Blank	50

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-132458/7
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			02/27/21 12:34	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			02/27/21 12:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			02/27/21 12:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			02/27/21 12:34	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			02/27/21 12:34	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			02/27/21 12:34	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			02/27/21 12:34	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			02/27/21 12:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			02/27/21 12:34	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			02/27/21 12:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			02/27/21 12:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			02/27/21 12:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			02/27/21 12:34	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			02/27/21 12:34	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			02/27/21 12:34	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			02/27/21 12:34	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			02/27/21 12:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			02/27/21 12:34	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			02/27/21 12:34	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			02/27/21 12:34	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			02/27/21 12:34	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			02/27/21 12:34	1
2-Butanone	ND		5.0	3.0	ug/L			02/27/21 12:34	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			02/27/21 12:34	1
2-Hexanone	ND		6.0	4.3	ug/L			02/27/21 12:34	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			02/27/21 12:34	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			02/27/21 12:34	1
Acetone	ND		8.0	4.0	ug/L			02/27/21 12:34	1
Benzene	ND		0.50	0.27	ug/L			02/27/21 12:34	1
Bromobenzene	ND		0.50	0.26	ug/L			02/27/21 12:34	1
Bromochloromethane	ND		1.0	0.35	ug/L			02/27/21 12:34	1
Bromodichloromethane	ND		0.50	0.22	ug/L			02/27/21 12:34	1
Bromoform	ND		0.50	0.39	ug/L			02/27/21 12:34	1
Bromomethane	ND		1.0	0.93	ug/L			02/27/21 12:34	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			02/27/21 12:34	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			02/27/21 12:34	1
Carbon disulfide	ND		1.0	0.24	ug/L			02/27/21 12:34	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			02/27/21 12:34	1
Chlorobenzene	ND		0.50	0.24	ug/L			02/27/21 12:34	1
Chloroethane	ND		0.50	0.44	ug/L			02/27/21 12:34	1
Chloroform	ND		0.50	0.28	ug/L			02/27/21 12:34	1
Chloromethane	ND		1.0	0.29	ug/L			02/27/21 12:34	1
Dibromochloromethane	ND		0.50	0.27	ug/L			02/27/21 12:34	1
Dibromomethane	ND		0.50	0.23	ug/L			02/27/21 12:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/27/21 12:34	1
Ethylbenzene	ND		0.50	0.36	ug/L			02/27/21 12:34	1
Isopropylbenzene	ND		0.50	0.38	ug/L			02/27/21 12:34	1
Methylene Chloride	ND		1.0	0.48	ug/L			02/27/21 12:34	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-132458/7
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			02/27/21 12:34	1
Naphthalene	ND		1.0	0.32	ug/L			02/27/21 12:34	1
n-Butylbenzene	ND		0.50	0.29	ug/L			02/27/21 12:34	1
N-Propylbenzene	ND		0.50	0.39	ug/L			02/27/21 12:34	1
o-Xylene	ND		0.50	0.35	ug/L			02/27/21 12:34	1
m,p-Xylene	ND		1.0	0.78	ug/L			02/27/21 12:34	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			02/27/21 12:34	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 12:34	1
Styrene	ND		0.50	0.28	ug/L			02/27/21 12:34	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			02/27/21 12:34	1
trans-1,3-Dichloropropene	ND		0.50	0.17	ug/L			02/27/21 12:34	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			02/27/21 12:34	1
Tetrachloroethene	ND		0.50	0.29	ug/L			02/27/21 12:34	1
Toluene	ND		0.50	0.33	ug/L			02/27/21 12:34	1
Trichloroethene	ND		0.50	0.29	ug/L			02/27/21 12:34	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			02/27/21 12:34	1
Vinyl acetate	ND		5.0	3.1	ug/L			02/27/21 12:34	1
Vinyl chloride	ND		0.50	0.40	ug/L			02/27/21 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 128*		*02/27/21 12:34*	*1*
4-Bromofluorobenzene (Surr)	*94*		*68 - 120*		*02/27/21 12:34*	*1*
Dibromofluoromethane	*98*		*80 - 127*		*02/27/21 12:34*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/27/21 12:34*	*1*

Lab Sample ID: LCS 570-132458/4
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	9.944		ug/L		99	80 - 126
1,1,1-Trichloroethane	10.0	9.518		ug/L		95	80 - 125
1,1,2,2-Tetrachloroethane	10.0	10.40		ug/L		104	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.212		ug/L		82	51 - 140
1,1,2-Trichloroethane	10.0	9.698		ug/L		97	80 - 120
1,1-Dichloroethane	10.0	9.569		ug/L		96	77 - 120
1,1-Dichloroethene	10.0	8.815		ug/L		88	74 - 128
1,1-Dichloropropene	10.0	9.696		ug/L		97	79 - 125
1,2,3-Trichlorobenzene	10.0	10.58		ug/L		106	80 - 121
1,2,3-Trichloropropane	10.0	8.552		ug/L		86	80 - 120
1,2,4-Trichlorobenzene	10.0	10.57		ug/L		106	80 - 120
1,2,4-Trimethylbenzene	10.0	9.618		ug/L		96	80 - 122
1,2-Dibromo-3-Chloropropane	10.0	9.859		ug/L		99	67 - 120
1,2-Dibromoethane	10.0	10.05		ug/L		101	80 - 120
1,2-Dichlorobenzene	10.0	9.980		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	9.207		ug/L		92	80 - 123
1,2-Dichloropropane	10.0	10.05		ug/L		101	80 - 120
1,3,5-Trimethylbenzene	10.0	9.607		ug/L		96	80 - 121

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-132458/4
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	10.0	9.988		ug/L		100	80 - 120
1,3-Dichloropropane	10.0	9.188		ug/L		92	80 - 120
1,4-Dichlorobenzene	10.0	9.625		ug/L		96	80 - 120
2,2-Dichloropropane	10.0	10.25		ug/L		102	77 - 139
2-Butanone	10.0	6.713		ug/L		67	50 - 127
2-Chlorotoluene	10.0	9.490		ug/L		95	80 - 120
2-Hexanone	10.0	8.587		ug/L		86	66 - 129
4-Chlorotoluene	10.0	9.403		ug/L		94	80 - 120
4-Methyl-2-pentanone	10.0	9.365		ug/L		94	72 - 120
Acetone	10.0	8.799		ug/L		88	58 - 131
Benzene	10.0	9.562		ug/L		96	80 - 120
Bromobenzene	10.0	10.11		ug/L		101	80 - 120
Bromochloromethane	10.0	9.743		ug/L		97	80 - 120
Bromodichloromethane	10.0	9.898		ug/L		99	80 - 126
Bromoform	10.0	9.688		ug/L		97	70 - 141
Bromomethane	10.0	10.01		ug/L		100	50 - 150
cis-1,2-Dichloroethene	10.0	9.834		ug/L		98	80 - 121
cis-1,3-Dichloropropene	10.0	10.20		ug/L		102	80 - 120
Carbon disulfide	10.0	9.340		ug/L		93	65 - 136
Carbon tetrachloride	10.0	10.39		ug/L		104	75 - 142
Chlorobenzene	10.0	9.912		ug/L		99	80 - 120
Chloroethane	10.0	8.951		ug/L		90	74 - 123
Chloroform	10.0	9.740		ug/L		97	80 - 120
Chloromethane	10.0	8.964		ug/L		90	54 - 140
Dibromochloromethane	10.0	9.346		ug/L		93	80 - 128
Dibromomethane	10.0	9.382		ug/L		94	80 - 120
Dichlorodifluoromethane	10.0	7.984		ug/L		80	63 - 135
Ethylbenzene	10.0	9.785		ug/L		98	80 - 120
Isopropylbenzene	10.0	9.993		ug/L		100	80 - 121
Methylene Chloride	10.0	9.364		ug/L		94	71 - 125
Methyl-t-Butyl Ether (MTBE)	10.0	8.086		ug/L		81	70 - 121
Naphthalene	10.0	9.612		ug/L		96	80 - 125
n-Butylbenzene	10.0	9.455		ug/L		95	80 - 124
N-Propylbenzene	10.0	9.698		ug/L		97	80 - 121
o-Xylene	10.0	9.729		ug/L		97	80 - 120
m,p-Xylene	20.0	20.09		ug/L		100	80 - 120
p-Isopropyltoluene	10.0	9.781		ug/L		98	80 - 121
sec-Butylbenzene	10.0	10.09		ug/L		101	80 - 120
Styrene	10.0	9.738		ug/L		97	80 - 120
trans-1,2-Dichloroethene	10.0	9.564		ug/L		96	74 - 121
trans-1,3-Dichloropropene	10.0	10.35		ug/L		103	80 - 123
tert-Butylbenzene	10.0	10.28		ug/L		103	80 - 120
Tetrachloroethene	10.0	10.24		ug/L		102	80 - 126
Toluene	10.0	9.650		ug/L		96	80 - 120
Trichloroethene	10.0	10.05		ug/L		101	80 - 120
Trichlorofluoromethane	10.0	9.313		ug/L		93	74 - 137
Vinyl acetate	10.0	9.241		ug/L		92	50 - 150
Vinyl chloride	10.0	8.732		ug/L		87	72 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-132458/4
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 128*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*
Dibromofluoromethane	*98*		*80 - 127*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-132458/5
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			10.0	10.67		ug/L		107	80 - 126	7	20
1,1,1-Trichloroethane			10.0	10.30		ug/L		103	80 - 125	8	20
1,1,2,2-Tetrachloroethane			10.0	10.91		ug/L		109	80 - 120	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane			10.0	9.157		ug/L		92	51 - 140	11	20
1,1,2-Trichloroethane			10.0	10.14		ug/L		101	80 - 120	4	20
1,1-Dichloroethane			10.0	10.21		ug/L		102	77 - 120	7	20
1,1-Dichloroethene			10.0	9.716		ug/L		97	74 - 128	10	20
1,1-Dichloropropene			10.0	10.98		ug/L		110	79 - 125	12	20
1,2,3-Trichlorobenzene			10.0	10.62		ug/L		106	80 - 121	0	20
1,2,3-Trichloropropane			10.0	9.086		ug/L		91	80 - 120	6	20
1,2,4-Trichlorobenzene			10.0	10.60		ug/L		106	80 - 120	0	20
1,2,4-Trimethylbenzene			10.0	10.25		ug/L		102	80 - 122	6	20
1,2-Dibromo-3-Chloropropane			10.0	9.879		ug/L		99	67 - 120	0	20
1,2-Dibromoethane			10.0	10.03		ug/L		100	80 - 120	0	20
1,2-Dichlorobenzene			10.0	10.37		ug/L		104	80 - 120	4	20
1,2-Dichloroethane			10.0	9.482		ug/L		95	80 - 123	3	20
1,2-Dichloropropane			10.0	10.77		ug/L		108	80 - 120	7	20
1,3,5-Trimethylbenzene			10.0	10.01		ug/L		100	80 - 121	4	20
1,3-Dichlorobenzene			10.0	10.60		ug/L		106	80 - 120	6	20
1,3-Dichloropropane			10.0	9.676		ug/L		97	80 - 120	5	20
1,4-Dichlorobenzene			10.0	10.41		ug/L		104	80 - 120	8	20
2,2-Dichloropropane			10.0	10.95		ug/L		110	77 - 139	7	20
2-Butanone			10.0	7.968		ug/L		80	50 - 127	17	26
2-Chlorotoluene			10.0	9.890		ug/L		99	80 - 120	4	20
2-Hexanone			10.0	8.630		ug/L		86	66 - 129	1	21
4-Chlorotoluene			10.0	10.22		ug/L		102	80 - 120	8	20
4-Methyl-2-pentanone			10.0	10.07		ug/L		101	72 - 120	7	20
Acetone			10.0	9.430		ug/L		94	58 - 131	7	30
Benzene			10.0	10.56		ug/L		106	80 - 120	10	20
Bromobenzene			10.0	10.37		ug/L		104	80 - 120	3	20
Bromochloromethane			10.0	10.48		ug/L		105	80 - 120	7	20
Bromodichloromethane			10.0	10.58		ug/L		106	80 - 126	7	20
Bromoform			10.0	10.54		ug/L		105	70 - 141	8	20
Bromomethane			10.0	9.937		ug/L		99	50 - 150	1	22
cis-1,2-Dichloroethene			10.0	10.81		ug/L		108	80 - 121	9	20
cis-1,3-Dichloropropene			10.0	10.75		ug/L		108	80 - 120	5	20
Carbon disulfide			10.0	10.12		ug/L		101	65 - 136	8	20
Carbon tetrachloride			10.0	11.22		ug/L		112	75 - 142	8	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-132458/5
Matrix: Water
Analysis Batch: 132458

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene			10.0	10.52		ug/L		105	80 - 120	6	20
Chloroethane			10.0	9.341		ug/L		93	74 - 123	4	20
Chloroform			10.0	10.40		ug/L		104	80 - 120	7	20
Chloromethane			10.0	9.547		ug/L		95	54 - 140	6	20
Dibromochloromethane			10.0	9.798		ug/L		98	80 - 128	5	20
Dibromomethane			10.0	10.11		ug/L		101	80 - 120	7	20
Dichlorodifluoromethane			10.0	8.747		ug/L		87	63 - 135	9	20
Ethylbenzene			10.0	10.28		ug/L		103	80 - 120	5	20
Isopropylbenzene			10.0	10.45		ug/L		105	80 - 121	5	20
Methylene Chloride			10.0	9.861		ug/L		99	71 - 125	5	20
Methyl-t-Butyl Ether (MTBE)			10.0	8.823		ug/L		88	70 - 121	9	20
Naphthalene			10.0	9.947		ug/L		99	80 - 125	3	20
n-Butylbenzene			10.0	10.33		ug/L		103	80 - 124	9	20
N-Propylbenzene			10.0	10.43		ug/L		104	80 - 121	7	20
o-Xylene			10.0	10.27		ug/L		103	80 - 120	5	20
m,p-Xylene			20.0	20.31		ug/L		102	80 - 120	1	20
p-Isopropyltoluene			10.0	10.57		ug/L		106	80 - 121	8	20
sec-Butylbenzene			10.0	10.61		ug/L		106	80 - 120	5	20
Styrene			10.0	10.16		ug/L		102	80 - 120	4	20
trans-1,2-Dichloroethene			10.0	10.74		ug/L		107	74 - 121	12	20
trans-1,3-Dichloropropene			10.0	10.36		ug/L		104	80 - 123	0	20
tert-Butylbenzene			10.0	10.85		ug/L		108	80 - 120	5	20
Tetrachloroethene			10.0	10.97		ug/L		110	80 - 126	7	20
Toluene			10.0	10.80		ug/L		108	80 - 120	11	20
Trichloroethene			10.0	10.88		ug/L		109	80 - 120	8	20
Trichlorofluoromethane			10.0	10.18		ug/L		102	74 - 137	9	20
Vinyl acetate			10.0	10.83		ug/L		108	50 - 150	16	28
Vinyl chloride			10.0	9.468		ug/L		95	72 - 126	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 128*
4-Bromofluorobenzene (Surr)	*97*		*68 - 120*
Dibromofluoromethane	*97*		*80 - 127*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-131076/1-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.34	ug/L		02/23/21 06:56	02/23/21 11:55	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*50*		*15 - 150*	*02/23/21 06:56*	*02/23/21 11:55*	*1*

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: MB 570-131076/1-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131076

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	95		46 - 128	02/23/21 06:56	02/23/21 11:55	1

Lab Sample ID: LCS 570-131076/2-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131076

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			20.0	15.15		ug/L		76	57 - 136		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
1,4-Dioxane-d8	54		15 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	81		46 - 128

Lab Sample ID: LCSD 570-131076/3-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131076

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			20.0	15.98		ug/L		80	57 - 136	5	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	54		15 - 150

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	92		46 - 128

Lab Sample ID: 570-51372-I-1-A MS
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	2.1		20.0	16.81		ug/L		74	45 - 139		

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
1,4-Dioxane-d8	62		15 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	90		46 - 128

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: 570-51372-I-1-B MSD
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131076

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	2.1		20.0	19.53		ug/L		87	45 - 139	15	17

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*58*		*15 - 150*

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*86*		*46 - 128*

QC Association Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

GC/MS VOA

Analysis Batch: 132458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51598-1	TB-021721B	Total/NA	Water	8260B	
570-51598-2	MW-41	Total/NA	Water	8260B	
570-51598-3	MW-42	Total/NA	Water	8260B	
MB 570-132458/7	Method Blank	Total/NA	Water	8260B	
LCS 570-132458/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-132458/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 131076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51598-2	MW-41	Total/NA	Water	3510C	
570-51598-3	MW-42	Total/NA	Water	3510C	
MB 570-131076/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-131076/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-131076/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-51372-I-1-A MS	Matrix Spike	Total/NA	Water	3510C	
570-51372-I-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 131187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51598-2	MW-41	Total/NA	Water	8270C SIM ID	131076
570-51598-3	MW-42	Total/NA	Water	8270C SIM ID	131076
MB 570-131076/1-A	Method Blank	Total/NA	Water	8270C SIM ID	131076
LCS 570-131076/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	131076
LCSD 570-131076/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	131076
570-51372-I-1-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	131076
570-51372-I-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	131076

Lab Chronicle

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Client Sample ID: TB-021721B

Lab Sample ID: 570-51598-1

Date Collected: 02/17/21 13:00

Matrix: Water

Date Received: 02/18/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	132458	02/27/21 14:04	N1A	ECL 2
	Instrument ID: GCMSWW									

Client Sample ID: MW-41

Lab Sample ID: 570-51598-2

Date Collected: 02/17/21 13:25

Matrix: Water

Date Received: 02/18/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	132458	02/27/21 14:34	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			100.0 mL	10 mL	131076	02/23/21 06:56	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			131187	02/23/21 17:45	AJ2Q	ECL 1
	Instrument ID: GCMSDDD									

Client Sample ID: MW-42

Lab Sample ID: 570-51598-3

Date Collected: 02/18/21 10:17

Matrix: Water

Date Received: 02/18/21 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	132458	02/27/21 15:04	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			100.0 mL	10 mL	131076	02/23/21 06:56	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			131187	02/23/21 18:00	AJ2Q	ECL 1
	Instrument ID: GCMSDDD									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon / 532.30

Job ID: 570-51598-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-51598-1	TB-021721B	Water	02/17/21 13:00	02/18/21 17:30	
570-51598-2	MW-41	Water	02/17/21 13:25	02/18/21 17:30	
570-51598-3	MW-42	Water	02/18/21 10:17	02/18/21 17:30	

51598

3/2/2021

HARGIS+ASSOCIATES, INC
HYDROGEOLOGY • ENGINEERING

Date 2/18/21
Page 1 of 1

PROJECT Raytheon Main

TASK NO 532 30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858 455 6500
Fax 858 455 6533

Sampled By: Andrew Donnelly, Ryne Adams

LAB ID	SAMPLE ID		SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: NaOH/AlCl3	PRESERVATION: NaOH/Zn	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	CONTAINERS: 250-ml poly	CONTAINERS: 250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	ANALYSIS REQUESTED: CO2 by SM4500	ANALYSIS REQUESTED: Dissolved Sulfide by SM4500 S2-d	ANALYSIS REQUESTED: Total Sulfide by SM-4500 S2-d	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
	TB-021721B	1	2/17/21	1300		X	X			X	2				X							X					X		
	MW-41	2	↓	1325	X		X			X	3				X							X					X		
	↓		↓	↓	X					X		1				X											X		
	MW-42	3	2/18/21	1017	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
Am Donnelly / H+A	2/18/21 1655	EDF	2-18-2021 16:55
EDF	2-18-2021 17:30	[illegible]	2/18/21 1730

Laboratory

~~ATL~~
~~Attn: Tina Nguyen~~
~~3257 Walnut Ave~~
~~Signal Hill, CA 90755~~
~~562 980 4045~~
Eurofins CalScience
Attn: Virendra Patel
7440 Lincoln Way
Garden Grove, CA 92841

REMARKS

Report J Flags

Page 26 of 27

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

_____ Temperature on receipt

Send Results to
Steve Netto
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
58 455 5400
@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

570-51598 Chain of Custody

5.1/4.0 SC6

Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-51598-1

Login Number: 51598

List Number: 1

Creator: Soriano, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-51817-1
Client Project/Site: Raytheon Main / 532.30

For:
Hargis + Associates, Inc.
La Jolla Gateway
9171 Towne Centre Drive
Suite 375
San Diego, California 92122

Attn: Julie Kelly

Virendra R Patel

Authorized for release by:
3/4/2021 11:39:37 AM

Virendra Patel, Project Manager I
(714)895-5494
Virendra.Patel@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 13
Isotope Dilution Summary 14
QC Sample Results 15
QC Association Summary 24
Lab Chronicle 25
Certification Summary 26
Method Summary 27
Sample Summary 28
Chain of Custody 29
Receipt Checklists 30

Definitions/Glossary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
me	LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean).

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Job ID: 570-51817-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-51817-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2021 5:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260B: The following analyte recovered outside control limits for the LCS associated with analytical batch 570-132592: trans-1,3-Dichloropropene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-132592 recovered outside control limits for the following analyte: 2,2-Dichloropropane.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-132592.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-133079.

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

GC/MS Semi VOA
Method 8270C SIM ID: Results for sample MW-16 (570-51817-3) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

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

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

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

Detection Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Client Sample ID: TB-021921B — Lab Sample ID: 570-51817-1

No Detections.

Client Sample ID: MW-31 — Lab Sample ID: 570-51817-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.77		0.50	0.25	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.51		0.50	0.35	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	63		0.50	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	6.7		0.50	0.29	ug/L	1		8260B	Total/NA
1,4-Dioxane	4.4		0.50	0.34	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 570-51817-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7		0.50	0.25	ug/L	1		8260B	Total/NA
1,1,2-Trichloroethane	0.74		0.50	0.085	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	5.6		0.50	0.35	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.68		0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.31	J	0.50	0.30	ug/L	1		8260B	Total/NA
Carbon tetrachloride	0.51		0.50	0.27	ug/L	1		8260B	Total/NA
Chloroform	0.49	J	0.50	0.28	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.6		0.50	0.29	ug/L	1		8260B	Total/NA
Trichloroethene	6.1		0.50	0.29	ug/L	1		8260B	Total/NA
1,1-Dichloroethene - DL	730		25	20	ug/L	50		8260B	Total/NA
1,4-Dioxane	78		1.0	0.69	ug/L	2		8270C SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-021921B
Date Collected: 02/19/21 15:00
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			03/01/21 15:06	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			03/01/21 15:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			03/01/21 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			03/01/21 15:06	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			03/01/21 15:06	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			03/01/21 15:06	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			03/01/21 15:06	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			03/01/21 15:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			03/01/21 15:06	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			03/01/21 15:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			03/01/21 15:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			03/01/21 15:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			03/01/21 15:06	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			03/01/21 15:06	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			03/01/21 15:06	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			03/01/21 15:06	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			03/01/21 15:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			03/01/21 15:06	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			03/01/21 15:06	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			03/01/21 15:06	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			03/01/21 15:06	1
2,2-Dichloropropane	ND	*1	0.50	0.40	ug/L			03/01/21 15:06	1
2-Butanone	ND		5.0	3.0	ug/L			03/01/21 15:06	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			03/01/21 15:06	1
2-Hexanone	ND		6.0	4.3	ug/L			03/01/21 15:06	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			03/01/21 15:06	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			03/01/21 15:06	1
Acetone	ND		8.0	4.0	ug/L			03/01/21 15:06	1
Benzene	ND		0.50	0.27	ug/L			03/01/21 15:06	1
Bromobenzene	ND		0.50	0.26	ug/L			03/01/21 15:06	1
Bromochloromethane	ND		1.0	0.35	ug/L			03/01/21 15:06	1
Bromodichloromethane	ND		0.50	0.22	ug/L			03/01/21 15:06	1
Bromoform	ND		0.50	0.39	ug/L			03/01/21 15:06	1
Bromomethane	ND		1.0	0.93	ug/L			03/01/21 15:06	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			03/01/21 15:06	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			03/01/21 15:06	1
Carbon disulfide	ND		1.0	0.24	ug/L			03/01/21 15:06	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			03/01/21 15:06	1
Chlorobenzene	ND		0.50	0.24	ug/L			03/01/21 15:06	1
Chloroethane	ND		0.50	0.44	ug/L			03/01/21 15:06	1
Chloroform	ND		0.50	0.28	ug/L			03/01/21 15:06	1
Chloromethane	ND		1.0	0.29	ug/L			03/01/21 15:06	1
Dibromochloromethane	ND		0.50	0.27	ug/L			03/01/21 15:06	1
Dibromomethane	ND		0.50	0.23	ug/L			03/01/21 15:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/01/21 15:06	1
Ethylbenzene	ND		0.50	0.36	ug/L			03/01/21 15:06	1
Isopropylbenzene	ND		0.50	0.38	ug/L			03/01/21 15:06	1
Methylene Chloride	ND		1.0	0.48	ug/L			03/01/21 15:06	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			03/01/21 15:06	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-021921B
Date Collected: 02/19/21 15:00
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.32	ug/L			03/01/21 15:06	1
n-Butylbenzene	ND		0.50	0.29	ug/L			03/01/21 15:06	1
N-Propylbenzene	ND		0.50	0.39	ug/L			03/01/21 15:06	1
o-Xylene	ND		0.50	0.35	ug/L			03/01/21 15:06	1
m,p-Xylene	ND		1.0	0.78	ug/L			03/01/21 15:06	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			03/01/21 15:06	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 15:06	1
Styrene	ND		0.50	0.28	ug/L			03/01/21 15:06	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			03/01/21 15:06	1
trans-1,3-Dichloropropene	ND	*+	0.50	0.17	ug/L			03/01/21 15:06	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 15:06	1
Tetrachloroethene	ND		0.50	0.29	ug/L			03/01/21 15:06	1
Toluene	ND		0.50	0.33	ug/L			03/01/21 15:06	1
Trichloroethene	ND		0.50	0.29	ug/L			03/01/21 15:06	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			03/01/21 15:06	1
Vinyl acetate	ND		5.0	3.1	ug/L			03/01/21 15:06	1
Vinyl chloride	ND		0.50	0.40	ug/L			03/01/21 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 128*		*03/01/21 15:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*		*03/01/21 15:06*	*1*
Dibromofluoromethane	*99*		*80 - 127*		*03/01/21 15:06*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/01/21 15:06*	*1*

Client Sample ID: MW-31
Date Collected: 02/19/21 15:17
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			03/01/21 19:34	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			03/01/21 19:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			03/01/21 19:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.77**		0.50	0.25	ug/L			03/01/21 19:34	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			03/01/21 19:34	1
1,1-Dichloroethane	**0.51**		0.50	0.35	ug/L			03/01/21 19:34	1
1,1-Dichloroethene	**63**		0.50	0.39	ug/L			03/01/21 19:34	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			03/01/21 19:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			03/01/21 19:34	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			03/01/21 19:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			03/01/21 19:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			03/01/21 19:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			03/01/21 19:34	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			03/01/21 19:34	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			03/01/21 19:34	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			03/01/21 19:34	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			03/01/21 19:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			03/01/21 19:34	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			03/01/21 19:34	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			03/01/21 19:34	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			03/01/21 19:34	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-31
Date Collected: 02/19/21 15:17
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND	*1	0.50	0.40	ug/L			03/01/21 19:34	1
2-Butanone	ND		5.0	3.0	ug/L			03/01/21 19:34	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			03/01/21 19:34	1
2-Hexanone	ND		6.0	4.3	ug/L			03/01/21 19:34	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			03/01/21 19:34	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			03/01/21 19:34	1
Acetone	ND		8.0	4.0	ug/L			03/01/21 19:34	1
Benzene	ND		0.50	0.27	ug/L			03/01/21 19:34	1
Bromobenzene	ND		0.50	0.26	ug/L			03/01/21 19:34	1
Bromochloromethane	ND		1.0	0.35	ug/L			03/01/21 19:34	1
Bromodichloromethane	ND		0.50	0.22	ug/L			03/01/21 19:34	1
Bromoform	ND		0.50	0.39	ug/L			03/01/21 19:34	1
Bromomethane	ND		1.0	0.93	ug/L			03/01/21 19:34	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			03/01/21 19:34	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			03/01/21 19:34	1
Carbon disulfide	ND		1.0	0.24	ug/L			03/01/21 19:34	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			03/01/21 19:34	1
Chlorobenzene	ND		0.50	0.24	ug/L			03/01/21 19:34	1
Chloroethane	ND		0.50	0.44	ug/L			03/01/21 19:34	1
Chloroform	ND		0.50	0.28	ug/L			03/01/21 19:34	1
Chloromethane	ND		1.0	0.29	ug/L			03/01/21 19:34	1
Dibromochloromethane	ND		0.50	0.27	ug/L			03/01/21 19:34	1
Dibromomethane	ND		0.50	0.23	ug/L			03/01/21 19:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/01/21 19:34	1
Ethylbenzene	ND		0.50	0.36	ug/L			03/01/21 19:34	1
Isopropylbenzene	ND		0.50	0.38	ug/L			03/01/21 19:34	1
Methylene Chloride	ND		1.0	0.48	ug/L			03/01/21 19:34	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			03/01/21 19:34	1
Naphthalene	ND		1.0	0.32	ug/L			03/01/21 19:34	1
n-Butylbenzene	ND		0.50	0.29	ug/L			03/01/21 19:34	1
N-Propylbenzene	ND		0.50	0.39	ug/L			03/01/21 19:34	1
o-Xylene	ND		0.50	0.35	ug/L			03/01/21 19:34	1
m,p-Xylene	ND		1.0	0.78	ug/L			03/01/21 19:34	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			03/01/21 19:34	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 19:34	1
Styrene	ND		0.50	0.28	ug/L			03/01/21 19:34	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			03/01/21 19:34	1
trans-1,3-Dichloropropene	ND	*+	0.50	0.17	ug/L			03/01/21 19:34	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 19:34	1
Tetrachloroethene	ND		0.50	0.29	ug/L			03/01/21 19:34	1
Toluene	ND		0.50	0.33	ug/L			03/01/21 19:34	1
Trichloroethene	**6.7**		0.50	0.29	ug/L			03/01/21 19:34	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			03/01/21 19:34	1
Vinyl acetate	ND		5.0	3.1	ug/L			03/01/21 19:34	1
Vinyl chloride	ND		0.50	0.40	ug/L			03/01/21 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 128*		*03/01/21 19:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 120*		*03/01/21 19:34*	*1*
Dibromofluoromethane	*98*		*80 - 127*		*03/01/21 19:34*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-31
Date Collected: 02/19/21 15:17
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/01/21 19:34*	*1*

Client Sample ID: MW-16
Date Collected: 02/22/21 09:35
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			03/01/21 20:01	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			03/01/21 20:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			03/01/21 20:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.7**		0.50	0.25	ug/L			03/01/21 20:01	1
1,1,2-Trichloroethane	**0.74**		0.50	0.085	ug/L			03/01/21 20:01	1
1,1-Dichloroethane	**5.6**		0.50	0.35	ug/L			03/01/21 20:01	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			03/01/21 20:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			03/01/21 20:01	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			03/01/21 20:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			03/01/21 20:01	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			03/01/21 20:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			03/01/21 20:01	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			03/01/21 20:01	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			03/01/21 20:01	1
1,2-Dichloroethane	**0.68**		0.50	0.15	ug/L			03/01/21 20:01	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			03/01/21 20:01	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			03/01/21 20:01	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			03/01/21 20:01	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			03/01/21 20:01	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			03/01/21 20:01	1
2,2-Dichloropropane	ND	*1	0.50	0.40	ug/L			03/01/21 20:01	1
2-Butanone	ND		5.0	3.0	ug/L			03/01/21 20:01	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			03/01/21 20:01	1
2-Hexanone	ND		6.0	4.3	ug/L			03/01/21 20:01	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			03/01/21 20:01	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			03/01/21 20:01	1
Acetone	ND		8.0	4.0	ug/L			03/01/21 20:01	1
Benzene	ND		0.50	0.27	ug/L			03/01/21 20:01	1
Bromobenzene	ND		0.50	0.26	ug/L			03/01/21 20:01	1
Bromochloromethane	ND		1.0	0.35	ug/L			03/01/21 20:01	1
Bromodichloromethane	ND		0.50	0.22	ug/L			03/01/21 20:01	1
Bromoform	ND		0.50	0.39	ug/L			03/01/21 20:01	1
Bromomethane	ND		1.0	0.93	ug/L			03/01/21 20:01	1
cis-1,2-Dichloroethene	**0.31**	**J**	0.50	0.30	ug/L			03/01/21 20:01	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			03/01/21 20:01	1
Carbon disulfide	ND		1.0	0.24	ug/L			03/01/21 20:01	1
Carbon tetrachloride	**0.51**		0.50	0.27	ug/L			03/01/21 20:01	1
Chlorobenzene	ND		0.50	0.24	ug/L			03/01/21 20:01	1
Chloroethane	ND		0.50	0.44	ug/L			03/01/21 20:01	1
Chloroform	**0.49**	**J**	0.50	0.28	ug/L			03/01/21 20:01	1
Chloromethane	ND		1.0	0.29	ug/L			03/01/21 20:01	1
Dibromochloromethane	ND		0.50	0.27	ug/L			03/01/21 20:01	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-16
Date Collected: 02/22/21 09:35
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.50	0.23	ug/L			03/01/21 20:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/01/21 20:01	1
Ethylbenzene	ND		0.50	0.36	ug/L			03/01/21 20:01	1
Isopropylbenzene	ND		0.50	0.38	ug/L			03/01/21 20:01	1
Methylene Chloride	ND		1.0	0.48	ug/L			03/01/21 20:01	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			03/01/21 20:01	1
Naphthalene	ND		1.0	0.32	ug/L			03/01/21 20:01	1
n-Butylbenzene	ND		0.50	0.29	ug/L			03/01/21 20:01	1
N-Propylbenzene	ND		0.50	0.39	ug/L			03/01/21 20:01	1
o-Xylene	ND		0.50	0.35	ug/L			03/01/21 20:01	1
m,p-Xylene	ND		1.0	0.78	ug/L			03/01/21 20:01	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			03/01/21 20:01	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 20:01	1
Styrene	ND		0.50	0.28	ug/L			03/01/21 20:01	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			03/01/21 20:01	1
trans-1,3-Dichloropropene	ND	*+	0.50	0.17	ug/L			03/01/21 20:01	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 20:01	1
Tetrachloroethene	**1.6**		0.50	0.29	ug/L			03/01/21 20:01	1
Toluene	ND		0.50	0.33	ug/L			03/01/21 20:01	1
Trichloroethene	**6.1**		0.50	0.29	ug/L			03/01/21 20:01	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			03/01/21 20:01	1
Vinyl acetate	ND		5.0	3.1	ug/L			03/01/21 20:01	1
Vinyl chloride	ND		0.50	0.40	ug/L			03/01/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*80 - 128*		*03/01/21 20:01*	*1*
4-Bromofluorobenzene (Surr)	*106*		*68 - 120*		*03/01/21 20:01*	*1*
Dibromofluoromethane	*105*		*80 - 127*		*03/01/21 20:01*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/01/21 20:01*	*1*

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Client Sample ID: MW-16
Date Collected: 02/22/21 09:35
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	730		25	20	ug/L			03/03/21 01:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 128*		*03/03/21 01:52*	*50*
4-Bromofluorobenzene (Surr)	*94*		*68 - 120*		*03/03/21 01:52*	*50*
Dibromofluoromethane	*93*		*80 - 127*		*03/03/21 01:52*	*50*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/03/21 01:52*	*50*

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Client Sample ID: MW-31
Date Collected: 02/19/21 15:17
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4.4		0.50	0.34	ug/L		02/23/21 15:00	02/23/21 22:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*36*		*15 - 150*	*02/23/21 15:00*	*02/23/21 22:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*57*		*46 - 128*	*02/23/21 15:00*	*02/23/21 22:23*	*1*

Client Sample ID: MW-16
Date Collected: 02/22/21 09:35
Date Received: 02/22/21 17:50

Lab Sample ID: 570-51817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	78		1.0	0.69	ug/L		02/23/21 15:00	02/24/21 23:52	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*	**3*	*15 - 150*	*02/23/21 15:00*	*02/24/21 23:52*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*52*	**3*	*46 - 128*	*02/23/21 15:00*	*02/24/21 23:52*	*2*

Surrogate Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-128)	(68-120)	(80-127)	(80-120)
570-51817-1	TB-021921B	112	99	99	97
570-51817-2	MW-31	105	96	98	97
570-51817-3	MW-16	119	106	105	96
570-51817-3 - DL	MW-16	91	94	93	104
LCS 570-132592/4	Lab Control Sample	107	102	99	105
LCS 570-133079/4	Lab Control Sample	91	97	100	99
LCSD 570-132592/5	Lab Control Sample Dup	90	103	100	103
LCSD 570-133079/5	Lab Control Sample Dup	94	98	99	99
MB 570-132592/7	Method Blank	99	94	98	96
MB 570-133079/8	Method Blank	92	93	96	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		NBZ
Lab Sample ID	Client Sample ID	(46-128)
570-51605-D-1-A MS	Matrix Spike	98
570-51605-D-1-B MSD	Matrix Spike Duplicate	84
570-51817-2	MW-31	57
570-51817-3	MW-16	52 *3
LCS 570-131191/2-A	Lab Control Sample	100
LCSD 570-131191/3-A	Lab Control Sample Dup	98
MB 570-131191/1-A	Method Blank	84

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	DXE (15-150)						
570-51605-D-1-A MS	Matrix Spike	66						
570-51605-D-1-B MSD	Matrix Spike Duplicate	60						
570-51817-2	MW-31	36						
570-51817-3	MW-16	35 *3						
LCS 570-131191/2-A	Lab Control Sample	56						
LCSD 570-131191/3-A	Lab Control Sample Dup	64						
MB 570-131191/1-A	Method Blank	67						

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-132592/7
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			03/01/21 10:55	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			03/01/21 10:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			03/01/21 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			03/01/21 10:55	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			03/01/21 10:55	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			03/01/21 10:55	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			03/01/21 10:55	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			03/01/21 10:55	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			03/01/21 10:55	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			03/01/21 10:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			03/01/21 10:55	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			03/01/21 10:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			03/01/21 10:55	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			03/01/21 10:55	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			03/01/21 10:55	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			03/01/21 10:55	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			03/01/21 10:55	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			03/01/21 10:55	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			03/01/21 10:55	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			03/01/21 10:55	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			03/01/21 10:55	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			03/01/21 10:55	1
2-Butanone	ND		5.0	3.0	ug/L			03/01/21 10:55	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			03/01/21 10:55	1
2-Hexanone	ND		6.0	4.3	ug/L			03/01/21 10:55	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			03/01/21 10:55	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			03/01/21 10:55	1
Acetone	ND		8.0	4.0	ug/L			03/01/21 10:55	1
Benzene	ND		0.50	0.27	ug/L			03/01/21 10:55	1
Bromobenzene	ND		0.50	0.26	ug/L			03/01/21 10:55	1
Bromochloromethane	ND		1.0	0.35	ug/L			03/01/21 10:55	1
Bromodichloromethane	ND		0.50	0.22	ug/L			03/01/21 10:55	1
Bromoform	ND		0.50	0.39	ug/L			03/01/21 10:55	1
Bromomethane	ND		1.0	0.93	ug/L			03/01/21 10:55	1
cis-1,2-Dichloroethene	ND		0.50	0.30	ug/L			03/01/21 10:55	1
cis-1,3-Dichloropropene	ND		0.50	0.19	ug/L			03/01/21 10:55	1
Carbon disulfide	ND		1.0	0.24	ug/L			03/01/21 10:55	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			03/01/21 10:55	1
Chlorobenzene	ND		0.50	0.24	ug/L			03/01/21 10:55	1
Chloroethane	ND		0.50	0.44	ug/L			03/01/21 10:55	1
Chloroform	ND		0.50	0.28	ug/L			03/01/21 10:55	1
Chloromethane	ND		1.0	0.29	ug/L			03/01/21 10:55	1
Dibromochloromethane	ND		0.50	0.27	ug/L			03/01/21 10:55	1
Dibromomethane	ND		0.50	0.23	ug/L			03/01/21 10:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/01/21 10:55	1
Ethylbenzene	ND		0.50	0.36	ug/L			03/01/21 10:55	1
Isopropylbenzene	ND		0.50	0.38	ug/L			03/01/21 10:55	1
Methylene Chloride	ND		1.0	0.48	ug/L			03/01/21 10:55	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-132592/7
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			03/01/21 10:55	1
Naphthalene	ND		1.0	0.32	ug/L			03/01/21 10:55	1
n-Butylbenzene	ND		0.50	0.29	ug/L			03/01/21 10:55	1
N-Propylbenzene	ND		0.50	0.39	ug/L			03/01/21 10:55	1
o-Xylene	ND		0.50	0.35	ug/L			03/01/21 10:55	1
m,p-Xylene	ND		1.0	0.78	ug/L			03/01/21 10:55	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			03/01/21 10:55	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 10:55	1
Styrene	ND		0.50	0.28	ug/L			03/01/21 10:55	1
trans-1,2-Dichloroethene	ND		0.50	0.36	ug/L			03/01/21 10:55	1
trans-1,3-Dichloropropene	ND		0.50	0.17	ug/L			03/01/21 10:55	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			03/01/21 10:55	1
Tetrachloroethene	ND		0.50	0.29	ug/L			03/01/21 10:55	1
Toluene	ND		0.50	0.33	ug/L			03/01/21 10:55	1
Trichloroethene	ND		0.50	0.29	ug/L			03/01/21 10:55	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			03/01/21 10:55	1
Vinyl acetate	ND		5.0	3.1	ug/L			03/01/21 10:55	1
Vinyl chloride	ND		0.50	0.40	ug/L			03/01/21 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 128*		*03/01/21 10:55*	*1*
4-Bromofluorobenzene (Surr)	*94*		*68 - 120*		*03/01/21 10:55*	*1*
Dibromofluoromethane	*98*		*80 - 127*		*03/01/21 10:55*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/01/21 10:55*	*1*

Lab Sample ID: LCS 570-132592/4
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	10.0	10.93		ug/L		109	80 - 126
1,1,1-Trichloroethane	10.0	9.728		ug/L		97	80 - 125
1,1,2,2-Tetrachloroethane	10.0	10.05		ug/L		101	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	6.492		ug/L		65	51 - 140
1,1,2-Trichloroethane	10.0	11.06		ug/L		111	80 - 120
1,1-Dichloroethane	10.0	9.489		ug/L		95	77 - 120
1,1-Dichloroethene	10.0	8.326		ug/L		83	74 - 128
1,1-Dichloropropene	10.0	9.160		ug/L		92	79 - 125
1,2,3-Trichlorobenzene	10.0	10.82		ug/L		108	80 - 121
1,2,3-Trichloropropane	10.0	11.17		ug/L		112	80 - 120
1,2,4-Trichlorobenzene	10.0	10.98		ug/L		110	80 - 120
1,2,4-Trimethylbenzene	10.0	10.31		ug/L		103	80 - 122
1,2-Dibromo-3-Chloropropane	10.0	9.862		ug/L		99	67 - 120
1,2-Dibromoethane	10.0	10.11		ug/L		101	80 - 120
1,2-Dichlorobenzene	10.0	10.37		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	10.92		ug/L		109	80 - 123
1,2-Dichloropropane	10.0	10.13		ug/L		101	80 - 120
1,3,5-Trimethylbenzene	10.0	9.983		ug/L		100	80 - 121

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-132592/4
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	10.0	10.12		ug/L		101	80 - 120
1,3-Dichloropropane	10.0	10.79		ug/L		108	80 - 120
1,4-Dichlorobenzene	10.0	9.898		ug/L		99	80 - 120
2,2-Dichloropropane	10.0	11.59		ug/L		116	77 - 139
2-Butanone	10.0	10.53		ug/L		105	50 - 127
2-Chlorotoluene	10.0	9.788		ug/L		98	80 - 120
2-Hexanone	10.0	9.661		ug/L		97	66 - 129
4-Chlorotoluene	10.0	9.886		ug/L		99	80 - 120
4-Methyl-2-pentanone	10.0	9.925		ug/L		99	72 - 120
Acetone	10.0	9.200		ug/L		92	58 - 131
Benzene	10.0	9.405		ug/L		94	80 - 120
Bromobenzene	10.0	10.42		ug/L		104	80 - 120
Bromochloromethane	10.0	9.861		ug/L		99	80 - 120
Bromodichloromethane	10.0	10.74		ug/L		107	80 - 126
Bromoform	10.0	11.25		ug/L		113	70 - 141
Bromomethane	10.0	12.07		ug/L		121	50 - 150
cis-1,2-Dichloroethene	10.0	9.726		ug/L		97	80 - 121
cis-1,3-Dichloropropene	10.0	11.01		ug/L		110	80 - 120
Carbon disulfide	10.0	8.351		ug/L		84	65 - 136
Carbon tetrachloride	10.0	9.605		ug/L		96	75 - 142
Chlorobenzene	10.0	9.916		ug/L		99	80 - 120
Chloroethane	10.0	9.496		ug/L		95	74 - 123
Chloroform	10.0	10.18		ug/L		102	80 - 120
Chloromethane	10.0	9.299		ug/L		93	54 - 140
Dibromochloromethane	10.0	11.02		ug/L		110	80 - 128
Dibromomethane	10.0	10.66		ug/L		107	80 - 120
Dichlorodifluoromethane	10.0	8.370		ug/L		84	63 - 135
Ethylbenzene	10.0	10.12		ug/L		101	80 - 120
Isopropylbenzene	10.0	10.05		ug/L		100	80 - 121
Methylene Chloride	10.0	8.809		ug/L		88	71 - 125
Methyl-t-Butyl Ether (MTBE)	10.0	9.635		ug/L		96	70 - 121
Naphthalene	10.0	10.97		ug/L		110	80 - 125
n-Butylbenzene	10.0	10.23		ug/L		102	80 - 124
N-Propylbenzene	10.0	10.21		ug/L		102	80 - 121
o-Xylene	10.0	10.01		ug/L		100	80 - 120
m,p-Xylene	20.0	21.48		ug/L		107	80 - 120
p-Isopropyltoluene	10.0	9.968		ug/L		100	80 - 121
sec-Butylbenzene	10.0	9.879		ug/L		99	80 - 120
Styrene	10.0	10.23		ug/L		102	80 - 120
trans-1,2-Dichloroethene	10.0	8.731		ug/L		87	74 - 121
trans-1,3-Dichloropropene	10.0	12.39	*+ me	ug/L		124	80 - 123
tert-Butylbenzene	10.0	9.748		ug/L		97	80 - 120
Tetrachloroethene	10.0	10.82		ug/L		108	80 - 126
Toluene	10.0	10.29		ug/L		103	80 - 120
Trichloroethene	10.0	9.862		ug/L		99	80 - 120
Trichlorofluoromethane	10.0	9.594		ug/L		96	74 - 137
Vinyl acetate	10.0	12.49		ug/L		125	50 - 150
Vinyl chloride	10.0	9.004		ug/L		90	72 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-132592/4
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 128
4-Bromofluorobenzene (Surr)	102		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 570-132592/5
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			10.0	10.66		ug/L		107	80 - 126	3	20
1,1,1-Trichloroethane			10.0	8.190		ug/L		82	80 - 125	17	20
1,1,2,2-Tetrachloroethane			10.0	9.491		ug/L		95	80 - 120	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane			10.0	5.843		ug/L		58	51 - 140	11	20
1,1,2-Trichloroethane			10.0	10.72		ug/L		107	80 - 120	3	20
1,1-Dichloroethane			10.0	8.125		ug/L		81	77 - 120	15	20
1,1-Dichloroethene			10.0	7.448		ug/L		74	74 - 128	11	20
1,1-Dichloropropene			10.0	8.169		ug/L		82	79 - 125	11	20
1,2,3-Trichlorobenzene			10.0	10.15		ug/L		102	80 - 121	6	20
1,2,3-Trichloropropane			10.0	11.17		ug/L		112	80 - 120	0	20
1,2,4-Trichlorobenzene			10.0	10.52		ug/L		105	80 - 120	4	20
1,2,4-Trimethylbenzene			10.0	9.566		ug/L		96	80 - 122	8	20
1,2-Dibromo-3-Chloropropane			10.0	10.34		ug/L		103	67 - 120	5	20
1,2-Dibromoethane			10.0	10.16		ug/L		102	80 - 120	1	20
1,2-Dichlorobenzene			10.0	9.672		ug/L		97	80 - 120	7	20
1,2-Dichloroethane			10.0	8.979		ug/L		90	80 - 123	19	20
1,2-Dichloropropane			10.0	9.297		ug/L		93	80 - 120	9	20
1,3,5-Trimethylbenzene			10.0	9.966		ug/L		100	80 - 121	0	20
1,3-Dichlorobenzene			10.0	9.754		ug/L		98	80 - 120	4	20
1,3-Dichloropropane			10.0	10.86		ug/L		109	80 - 120	1	20
1,4-Dichlorobenzene			10.0	9.103		ug/L		91	80 - 120	8	20
2,2-Dichloropropane			10.0	9.255	*1	ug/L		93	77 - 139	22	20
2-Butanone			10.0	8.099		ug/L		81	50 - 127	26	26
2-Chlorotoluene			10.0	9.472		ug/L		95	80 - 120	3	20
2-Hexanone			10.0	10.74		ug/L		107	66 - 129	11	21
4-Chlorotoluene			10.0	9.522		ug/L		95	80 - 120	4	20
4-Methyl-2-pentanone			10.0	9.113		ug/L		91	72 - 120	9	20
Acetone			10.0	8.551		ug/L		86	58 - 131	7	30
Benzene			10.0	8.876		ug/L		89	80 - 120	6	20
Bromobenzene			10.0	10.38		ug/L		104	80 - 120	0	20
Bromochloromethane			10.0	9.897		ug/L		99	80 - 120	0	20
Bromodichloromethane			10.0	9.553		ug/L		96	80 - 126	12	20
Bromoform			10.0	10.42		ug/L		104	70 - 141	8	20
Bromomethane			10.0	9.999		ug/L		100	50 - 150	19	22
cis-1,2-Dichloroethene			10.0	9.288		ug/L		93	80 - 121	5	20
cis-1,3-Dichloropropene			10.0	9.954		ug/L		100	80 - 120	10	20
Carbon disulfide			10.0	7.686		ug/L		77	65 - 136	8	20
Carbon tetrachloride			10.0	8.194		ug/L		82	75 - 142	16	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-132592/5
Matrix: Water
Analysis Batch: 132592

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene			10.0	9.663		ug/L		97	80 - 120	3	20
Chloroethane			10.0	8.285		ug/L		83	74 - 123	14	20
Chloroform			10.0	9.038		ug/L		90	80 - 120	12	20
Chloromethane			10.0	7.765		ug/L		78	54 - 140	18	20
Dibromochloromethane			10.0	10.53		ug/L		105	80 - 128	5	20
Dibromomethane			10.0	9.876		ug/L		99	80 - 120	8	20
Dichlorodifluoromethane			10.0	7.209		ug/L		72	63 - 135	15	20
Ethylbenzene			10.0	9.755		ug/L		98	80 - 120	4	20
Isopropylbenzene			10.0	9.566		ug/L		96	80 - 121	5	20
Methylene Chloride			10.0	8.554		ug/L		86	71 - 125	3	20
Methyl-t-Butyl Ether (MTBE)			10.0	8.467		ug/L		85	70 - 121	13	20
Naphthalene			10.0	9.600		ug/L		96	80 - 125	13	20
n-Butylbenzene			10.0	9.490		ug/L		95	80 - 124	8	20
N-Propylbenzene			10.0	9.981		ug/L		100	80 - 121	2	20
o-Xylene			10.0	9.814		ug/L		98	80 - 120	2	20
m,p-Xylene			20.0	20.20		ug/L		101	80 - 120	6	20
p-Isopropyltoluene			10.0	9.332		ug/L		93	80 - 121	7	20
sec-Butylbenzene			10.0	9.135		ug/L		91	80 - 120	8	20
Styrene			10.0	9.851		ug/L		99	80 - 120	4	20
trans-1,2-Dichloroethene			10.0	8.254		ug/L		83	74 - 121	6	20
trans-1,3-Dichloropropene			10.0	11.53		ug/L		115	80 - 123	7	20
tert-Butylbenzene			10.0	9.007		ug/L		90	80 - 120	8	20
Tetrachloroethene			10.0	10.30		ug/L		103	80 - 126	5	20
Toluene			10.0	9.533		ug/L		95	80 - 120	8	20
Trichloroethene			10.0	9.152		ug/L		92	80 - 120	7	20
Trichlorofluoromethane			10.0	8.585		ug/L		86	74 - 137	11	20
Vinyl acetate			10.0	11.34		ug/L		113	50 - 150	10	28
Vinyl chloride			10.0	7.750		ug/L		77	72 - 126	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 128*
4-Bromofluorobenzene (Surr)	*103*		*68 - 120*
Dibromofluoromethane	*100*		*80 - 127*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 570-133079/8
Matrix: Water
Analysis Batch: 133079

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.50	0.39	ug/L			03/02/21 23:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 128*		*03/02/21 23:53*	*1*
4-Bromofluorobenzene (Surr)	*93*		*68 - 120*		*03/02/21 23:53*	*1*
Dibromofluoromethane	*96*		*80 - 127*		*03/02/21 23:53*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/02/21 23:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-133079/4
Matrix: Water
Analysis Batch: 133079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethene			10.0	8.621		ug/L		86	74 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 128*
4-Bromofluorobenzene (Surr)	*97*		*68 - 120*
Dibromofluoromethane	*100*		*80 - 127*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-133079/5
Matrix: Water
Analysis Batch: 133079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			10.0	9.152		ug/L		92	74 - 128	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 128*
4-Bromofluorobenzene (Surr)	*98*		*68 - 120*
Dibromofluoromethane	*99*		*80 - 127*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-131191/1-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.34	ug/L		02/23/21 10:47	02/23/21 18:15	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*67*		*15 - 150*	*02/23/21 10:47*	*02/23/21 18:15*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*84*		*46 - 128*	*02/23/21 10:47*	*02/23/21 18:15*	*1*

Lab Sample ID: LCS 570-131191/2-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131191

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			20.0	15.46		ug/L		77	57 - 136		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*56*		*15 - 150*

Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 570-131191/2-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131191

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	100		46 - 128

Lab Sample ID: LCSD 570-131191/3-A
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 131191

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			20.0	16.24		ug/L		81	57 - 136	5	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	64		15 - 150

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	98		46 - 128

Lab Sample ID: 570-51605-D-1-A MS
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	8.1		20.0	24.76		ug/L		83	45 - 139		

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
1,4-Dioxane-d8	66		15 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	98		46 - 128

Lab Sample ID: 570-51605-D-1-B MSD
Matrix: Water
Analysis Batch: 131187

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 131191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	8.1		20.0	24.40		ug/L		81	45 - 139	1	17

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
1,4-Dioxane-d8	60		15 - 150

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5	84		46 - 128

Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-132592/4
Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1,2-Tetrachloroethane	10.0	10.93		ug/L	109	80 - 126	72 - 134	
1,1,1-Trichloroethane	10.0	9.728		ug/L	97	80 - 125	73 - 133	
1,1,2,2-Tetrachloroethane	10.0	10.05		ug/L	101	80 - 120	73 - 127	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	6.492		ug/L	65	51 - 140	36 - 155	
1,1,2-Trichloroethane	10.0	11.06		ug/L	111	80 - 120	73 - 127	
1,1-Dichloroethane	10.0	9.489		ug/L	95	77 - 120	70 - 127	
1,1-Dichloroethene	10.0	8.326		ug/L	83	74 - 128	65 - 137	
1,1-Dichloropropene	10.0	9.160		ug/L	92	79 - 125	71 - 133	
1,2,3-Trichlorobenzene	10.0	10.82		ug/L	108	80 - 121	73 - 128	
1,2,3-Trichloropropane	10.0	11.17		ug/L	112	80 - 120	73 - 127	
1,2,4-Trichlorobenzene	10.0	10.98		ug/L	110	80 - 120	73 - 127	
1,2,4-Trimethylbenzene	10.0	10.31		ug/L	103	80 - 122	73 - 129	
1,2-Dibromo-3-Chloropropane	10.0	9.862		ug/L	99	67 - 120	58 - 129	
1,2-Dibromoethane	10.0	10.11		ug/L	101	80 - 120	73 - 127	
1,2-Dichlorobenzene	10.0	10.37		ug/L	104	80 - 120	73 - 127	
1,2-Dichloroethane	10.0	10.92		ug/L	109	80 - 123	73 - 130	
1,2-Dichloropropane	10.0	10.13		ug/L	101	80 - 120	73 - 127	
1,3,5-Trimethylbenzene	10.0	9.983		ug/L	100	80 - 121	73 - 128	
1,3-Dichlorobenzene	10.0	10.12		ug/L	101	80 - 120	73 - 127	
1,3-Dichloropropane	10.0	10.79		ug/L	108	80 - 120	73 - 127	
1,4-Dichlorobenzene	10.0	9.898		ug/L	99	80 - 120	73 - 127	
2,2-Dichloropropane	10.0	11.59		ug/L	116	77 - 139	67 - 149	
2-Butanone	10.0	10.53		ug/L	105	50 - 127	37 - 140	
2-Chlorotoluene	10.0	9.788		ug/L	98	80 - 120	73 - 127	
2-Hexanone	10.0	9.661		ug/L	97	66 - 129	56 - 140	
4-Chlorotoluene	10.0	9.886		ug/L	99	80 - 120	73 - 127	
4-Methyl-2-pentanone	10.0	9.925		ug/L	99	72 - 120	64 - 128	
Acetone	10.0	9.200		ug/L	92	58 - 131	46 - 143	
Benzene	10.0	9.405		ug/L	94	80 - 120	73 - 127	
Bromobenzene	10.0	10.42		ug/L	104	80 - 120	73 - 127	
Bromochloromethane	10.0	9.861		ug/L	99	80 - 120	73 - 127	
Bromodichloromethane	10.0	10.74		ug/L	107	80 - 126	72 - 134	
Bromoform	10.0	11.25		ug/L	113	70 - 141	58 - 153	
Bromomethane	10.0	12.07		ug/L	121	50 - 150	33 - 167	
cis-1,2-Dichloroethene	10.0	9.726		ug/L	97	80 - 121	73 - 128	
cis-1,3-Dichloropropene	10.0	11.01		ug/L	110	80 - 120	73 - 127	
Carbon disulfide	10.0	8.351		ug/L	84	65 - 136	53 - 148	
Carbon tetrachloride	10.0	9.605		ug/L	96	75 - 142	64 - 153	
Chlorobenzene	10.0	9.916		ug/L	99	80 - 120	73 - 127	
Chloroethane	10.0	9.496		ug/L	95	74 - 123	66 - 131	
Chloroform	10.0	10.18		ug/L	102	80 - 120	73 - 127	
Chloromethane	10.0	9.299		ug/L	93	54 - 140	40 - 154	
Dibromochloromethane	10.0	11.02		ug/L	110	80 - 128	72 - 136	
Dibromomethane	10.0	10.66		ug/L	107	80 - 120	73 - 127	
Dichlorodifluoromethane	10.0	8.370		ug/L	84	63 - 135	51 - 147	
Ethylbenzene	10.0	10.12		ug/L	101	80 - 120	73 - 127	
Isopropylbenzene	10.0	10.05		ug/L	100	80 - 121	73 - 128	
Methylene Chloride	10.0	8.809		ug/L	88	71 - 125	62 - 134	
Methyl-t-Butyl Ether (MTBE)	10.0	9.635		ug/L	96	70 - 121	62 - 130	

Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-132592/4
Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Naphthalene	10.0	10.97		ug/L	110	80 - 125	73 - 133	
n-Butylbenzene	10.0	10.23		ug/L	102	80 - 124	73 - 131	
N-Propylbenzene	10.0	10.21		ug/L	102	80 - 121	73 - 128	
o-Xylene	10.0	10.01		ug/L	100	80 - 120	73 - 127	
m,p-Xylene	20.0	21.48		ug/L	107	80 - 120	73 - 127	
p-Isopropyltoluene	10.0	9.968		ug/L	100	80 - 121	73 - 128	
sec-Butylbenzene	10.0	9.879		ug/L	99	80 - 120	73 - 127	
Styrene	10.0	10.23		ug/L	102	80 - 120	73 - 127	
trans-1,2-Dichloroethene	10.0	8.731		ug/L	87	74 - 121	66 - 129	
trans-1,3-Dichloropropene	10.0	12.39	*+ me	ug/L	124	80 - 123	73 - 130	ME
tert-Butylbenzene	10.0	9.748		ug/L	97	80 - 120	73 - 127	
Tetrachloroethene	10.0	10.82		ug/L	108	80 - 126	72 - 134	
Toluene	10.0	10.29		ug/L	103	80 - 120	73 - 127	
Trichloroethene	10.0	9.862		ug/L	99	80 - 120	73 - 127	
Trichlorofluoromethane	10.0	9.594		ug/L	96	74 - 137	64 - 148	
Vinyl acetate	10.0	12.49		ug/L	125	50 - 150	33 - 167	
Vinyl chloride	10.0	9.004		ug/L	90	72 - 126	63 - 135	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
66	3	1

ME = Marginal Exceedance

QC Association Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

GC/MS VOA

Analysis Batch: 132592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51817-1	TB-021921B	Total/NA	Water	8260B	
570-51817-2	MW-31	Total/NA	Water	8260B	
570-51817-3	MW-16	Total/NA	Water	8260B	
MB 570-132592/7	Method Blank	Total/NA	Water	8260B	
LCS 570-132592/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-132592/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 133079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51817-3 - DL	MW-16	Total/NA	Water	8260B	
MB 570-133079/8	Method Blank	Total/NA	Water	8260B	
LCS 570-133079/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-133079/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 131187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51817-2	MW-31	Total/NA	Water	8270C SIM ID	131191
MB 570-131191/1-A	Method Blank	Total/NA	Water	8270C SIM ID	131191
LCS 570-131191/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	131191
LCSD 570-131191/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	131191
570-51605-D-1-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	131191
570-51605-D-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	131191

Prep Batch: 131191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51817-2	MW-31	Total/NA	Water	3510C	
570-51817-3	MW-16	Total/NA	Water	3510C	
MB 570-131191/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-131191/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-131191/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-51605-D-1-A MS	Matrix Spike	Total/NA	Water	3510C	
570-51605-D-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 131590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-51817-3	MW-16	Total/NA	Water	8270C SIM ID	131191

Lab Chronicle

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Client Sample ID: TB-021921B

Lab Sample ID: 570-51817-1

Date Collected: 02/19/21 15:00
Date Received: 02/22/21 17:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	132592	03/01/21 15:06	Q8PV	ECL 2
	Instrument ID: GCMSUU									

Client Sample ID: MW-31

Lab Sample ID: 570-51817-2

Date Collected: 02/19/21 15:17
Date Received: 02/22/21 17:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	132592	03/01/21 19:34	Q8PV	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			100.0 mL	10 mL	131191	02/23/21 15:00	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			131187	02/23/21 22:23	AJ2Q	ECL 1
	Instrument ID: GCMSDDD									

Client Sample ID: MW-16

Lab Sample ID: 570-51817-3

Date Collected: 02/22/21 09:35
Date Received: 02/22/21 17:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	132592	03/01/21 20:01	Q8PV	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B	DL	50	20 mL	20 mL	133079	03/03/21 01:52	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			100.0 mL	10 mL	131191	02/23/21 15:00	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		2			131590	02/24/21 23:52	AJ2Q	ECL 1
	Instrument ID: GCMSDDD									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-30-22
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Hargis + Associates, Inc.
Project/Site: Raytheon Main / 532.30

Job ID: 570-51817-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-51817-1	TB-021921B	Water	02/19/21 15:00	02/22/21 17:50	
570-51817-2	MW-31	Water	02/19/21 15:17	02/22/21 17:50	
570-51817-3	MW-16	Water	02/22/21 09:35	02/22/21 17:50	

HARGIS+ASSOCIATES, INC
HYDROGEOLOGY • ENGINEERING

Date 2/22/21
Page 1 of 1

PROJECT Raytheon Main

TASK NO 532 30

Project Manager Steve Netto
QA Manager Andrew Donnelly
Phone 858 455 6500
Fax 858 455 6533

Sampled By: Andrew Donnelly, A. Janzon, DJ Sealee

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Groundwater	MATRIX: Lab prepared water	PRESERVATION: Hydrochloric Acid (HCl)	PRESERVATION: NaOH/AlCl3	PRESERVATION: NaOH/Zn	PRESERVATION: Ice	CONTAINERS: 40-ml VOA	CONTAINERS: 1 L Amber	CONTAINERS: 250-ml poly	CONTAINERS: 250-ml Amber	ANALYSIS REQUESTED: VOCs by EPA 8260B	ANALYSIS REQUESTED: 1,4 Dioxane 8270 SIM	ANALYSIS REQUESTED: 1,4-Dioxane 8270 MOD	ANALYSIS REQUESTED: CO2 by SM4500	ANALYSIS REQUESTED: Dissolved Sulfide by SM4500 S2-d	ANALYSIS REQUESTED: Total Sulfide by SM-4500 S2-d	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
1	TB-021921B	2/19/21	1500		X	X			X	2				X						X						X		
2	MW-31	↓	1517	X		X			X	3				X								X				X		
	↓	↓	↓	X					X		1					X										X		
3	MW-16	2/22/21	0935	X		X			X	3				X								X				X		
	↓	↓	↓	X					X		1					X										X		

570-51817 Chain of Custody

Total number of containers per analysis

Laboratory
~~ATL~~
Attn Tina Nguyen
3257 Walnut Ave
Signal Hill, CA 90755
562-989-4045
Eurofins CalScience
Attn: Virendra Patel
7440 Lincoln Way
Garden Grove, CA 92841

REMARKS
Report J Flags

Total No of Containers

Relinquished By / Company	Date / Time	Received By / Company	Date / Time
[signature] HHA	02.22.21 1541	[signature] ECI	2-22-2021 15:41
Relinquished By / Company	Date / Time	Received By / Company	Date / Time
[signature] ECI	2-22-2021 17:50	[signature]	2/22/21 1750

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

_____ 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
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

4.9/3.8 SC6

Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-51817-1

Login Number: 51817

List Number: 1

Creator: Soriano, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

GROUNDWATER EXTRACTION AND TREATMENT SYSTEM RESULTS

December 07, 2020

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 : 2002621

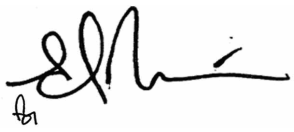
Client Reference : Raytheon Main GETS OCSD Quarterly Sample, 532.15

Enclosed are the results for sample(s) received on December 03, 2020 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.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

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,



Edgar P. Caballero

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 :	12/07/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-120320	2002621-01	Lab prepared water	12/03/20 8:00	12/03/20 9:15
CEFF	2002621-02	Groundwater	12/03/20 8:30	12/03/20 9:15

CASE NARRATIVE

Samples for Volatile Organic Compouds by EPA 624 was subcontracted to AETL with CA-ELAP Cert. 1541.

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 : 12/07/2020

Client Sample ID: CEFF

Lab ID: 2002621-02

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	B0L0078	12/04/2020	12/04/20 20:19	
Surrogate: 1,2-Dichlorobenzene-d4	*62.2 %*	*17 - 119*		B0L0078	12/04/2020	*12/04/20 20:19*	
Surrogate: 2-Fluorobiphenyl	*67.6 %*	*10 - 133*		B0L0078	12/04/2020	*12/04/20 20:19*	
Surrogate: 4-Terphenyl-d14	*70.9 %*	*5 - 139*		B0L0078	12/04/2020	*12/04/20 20:19*	
Surrogate: Nitrobenzene-d5	*71.5 %*	*13 - 150*		B0L0078	12/04/2020	*12/04/20 20:19*	

QUALITY CONTROL SECTION

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 B0L0078 - MSSEMI_W										
Blank (B0L0078-BLK1)						Prepared: 12/4/2020 Analyzed: 12/4/2020				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d4	*60.68*			*100.000*		*60.7*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*70.27*			*100.000*		*70.3*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*76.27*			*100.000*		*76.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*73.08*			*100.000*		*73.1*	*13 - 150*			
LCS (B0L0078-BS1)						Prepared: 12/4/2020 Analyzed: 12/4/2020				
1,4-Dioxane	105.450	2.0	0.84	100.000		105	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d4	*57.28*			*100.000*		*57.3*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*72.09*			*100.000*		*72.1*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*84.69*			*100.000*		*84.7*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*74.69*			*100.000*		*74.7*	*13 - 150*			
LCS Dup (B0L0078-BSD1)						Prepared: 12/4/2020 Analyzed: 12/4/2020				
1,4-Dioxane	106.480	2.0	0.84	100.000		106	75 - 155	0.972	20	
Surrogate: 1,2-Dichlorobenzene-d4	*56.67*			*100.000*		*56.7*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*73.50*			*100.000*		*73.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*80.08*			*100.000*		*80.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*77.36*			*100.000*		*77.4*	*13 - 150*			

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 :	12/07/2020

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

200621 2.7 Ice

Date: 12/3/2020
Page 1 of 1

PROJECT: Raytheon Main GETS OCSD Quarterly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

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
01	TB-120320	12/3/2020	8:00		X	X				X	2						X									X					X			
02	CEFF	12/3/2020	8:30	X		X				X	3					1	X	X								X					X			Note 48 hr TAT
Total number of containers per analysis:											5					1																		Total No. of Containers: 6

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
H+A	12-3-20 0915	Max Rothark	12/3/20 9:15
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
Max Rothark	12/3/20 9:45		12/4/20 9:45

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

_____ Temperature on receipt

Laboratory
Advanced Technology Laboratories
Attn: Tina Nguyen
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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.

AMERICAN ENVIRONMENTAL TESTING LABORATORY
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December 07, 2020

AETL Job No: BBL0043
Received Date: 12/03/2020
Project Number: 2002621

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
Telephone: (562) 989-4045

Attention: Tina Nguyen

Project Name: 2002621
Site:

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Harriet Torosyan
Harriet Torosyan
Project Manager

Approved By:
Corey Jones
Project Manager

Table of Contents

Client Project Name: General B002621)
Work Order Number: BBL0043

1 Cover Letter 1
2 Sample Condition on Receipt 3
3 Chain of Custody 4
4 Cooler Receipt Form 5
5 Case Narrative 6
6 Samples Received 7
7 Positive Hits Summary 8
8 Analytical Results 9
9 Quality Control Results 13
10 Certified Analyses 16
11 Certifications 18
12 Qualifiers and Definitions 19

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Sample Condition on Receipt

Cooler ID: Default Cooler **Temperature: 8.0 °C**

Are the COCs Correct	Y		
Labels Legible	Y	Containers In Good Condition	Y
COC/Labels Agree	Y	Samples Preserved Properly	Y
Sufficient Sample Volume	Y	Sufficient Holding Time for all Tests	Y
Sample Labels intact	Y	Received on Ice	Y

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2002621

BBL0043

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Tina Nguyen
(Tina.Nguyen@atlglobal.com)
Sampler: Ruben Sanchez

RECEIVING LABORATORY:

AETL
2834 North Naomi Street
Burbank, CA 91504
Phone :(818) 845-8200
Fax: (818) 845-8840
PO#: SC14951-RUSH

IMPORTANT : Please include Work Order # and PO # in your invoice.

QC Requirements:

- [x] Routine
- [ ] Caltrans
- [ ] Legal
- [ ] RWQCB
- [ ] Level IV*
- [ ] Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

EDD Requirements:

- [x] Standard Excel
- [ ] Geotracker EDF
- [ ] Other:

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 2002621-01 / TB-120320		**Lab prepared water**	**12/03/20 08:00**	**Report down to the MDL**
624_SUB [Volatile Organic Compounds] 2-Voa Vial - HCl	**12/07/20 15:00**	12/17/20 08:00	BBL0043.01	
ATL Lab#: 2002621-02 / CEFF		**Groundwater**	**12/03/20 08:30**	
624_SUB [Volatile Organic Compounds] 3-Voa Vial - HCl	**12/07/20 15:00**	12/17/20 08:30	BBL0043.02	

Approved by: 12/3/2020

ATL Project Manager Date

	Date	Cooler Temp, degC	Therm ID
Released By ATL Sample Control	12/3/20	4.8	SCIRT10
Received By Courier	12/3/20	4.8°C	SCIRT10
Released By Courier	12/3/20	8°C	2-BA41F-28-2
Received By Subcontract Laboratory	12/3/20	8°C	1111
Released By			
Received By			

11:11

C:\PROGRAM FILES (X86)\PROMIUM\ELEMENT\PRINT\SCO_ATL(A.5).RPT

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COOLER RECEIPT FORM

Client Name: ATL

Project Name:

AETL Job Number: BB20043

Date Received: 12/3/2020 Received by: Sargis Piren

Carrier: ☐ AETL Courier ☑ Client ☐ GSL ☐ FedEx ☐ UPS

☐ Others:

Samples were received in: ☐ Cooler (1) ☐ Other (Specify):

Inside temperature of shipping container No 1: 8°C, No 2: , No 3:

Type of sample containers: ☑ VOA, ☐ Glass bottles, ☐ Wide mouth jars, ☐ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify):

How are samples preserved: ☐ None, ☑ Ice, ☐ Blue Ice, ☐ Dry Ice

☐ None, ☐ HNO_3, ☐ NaOH, ☐ ZnOAc, ☑ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$

☐ Other (Specify):

	Yes	No*	N/A	Name, if client was notified.
1. Are the COCs Correct?	✓			
2. Are Sample labels legible & indelible ink?	✓			
3. Do samples match the COC?	✓			
4. Are the required analyses clear?	✓			
5. Is there enough samples for required analysis?	✓			
6. Does cooler or samples have custody seal(s)?			N/A	
7. Are sample containers in good condition?	✓			
8. Are samples preserved?	✓			
9. Are samples preserved properly for the intended analysis?	✓			
10. Are the VOAs free of headspace?	✓			
11. Are the jars free of headspace?			N/A	
* = see note below. N/A = Not Applicable				

PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.

***Explain all "No" answers for above questions:**

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

No analytical non-conformances were encountered.

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Samples Received

AETL received the following samples on 12/03/2020 with the following specifications

Project Name:
Site:

Client ID		Sample Date
TB-120320		12/3/2020 8:00
Lab ID	**Matrix**	**Quantity of Containers**
BBL0043-01	Aqueous	2
Analysis	**Units**	**TAT**
EPA 624	ug/L	2

Client ID		Sample Date
CEFF		12/3/2020 8:30
Lab ID	**Matrix**	**Quantity of Containers**
BBL0043-02	Aqueous	3
Analysis	**Units**	**TAT**
EPA 624	ug/L	2

Total Number of Samples received: 2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Positive Hits Summary

Lab ID	Client ID				Received
Method	Analyte	Result	Qualifier	Unit	Analyzed

No positive results reported!

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Analytical Results

Client ID: TB-120320

Lab ID: BBL0043-01 (Aqueous) **Sampled: 12/03/20 8:00**

Volatile Organic Compounds

Method: EPA 624

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
2-Hexanone	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
4-Methyl-2-pentanone (MIBK)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Dichlorodifluoromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Acetone	ND		1	5.00	10.0	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Acrolein (2-Propenal)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Acrylonitrile (2-Propenenitrile)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Benzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Bromodichloromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Bromoform (Tribromomethane)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Bromomethane (Methyl bromide)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
2-Butanone (MEK)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Carbon tetrachloride	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Chlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Chloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
2-Chloroethyl vinyl ether	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Chloroform (Trichloromethane)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Chloromethane (Methyl chloride)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Dibromochloromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,2-Dichlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,3-Dichlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,4-Dichlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,1-Dichloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,2-Dichloroethane (EDC)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,1-Dichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
cis-1,2-Dichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Carbon Disulfide	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,2-Dichloropropane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
cis-1,3-Dichloropropene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
trans-1,3-Dichloropropene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,1,2,2-Tetrachloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,1,1-Trichloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
1,1,2-Trichloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Ethylbenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
m,p-Xylenes	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Analytical Results

Client ID: TB-120320

Lab ID: BBL0043-01 (Aqueous) **Sampled: 12/03/20 8:00**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Volatile Organic Compounds (Continued)											
Trichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Methylene chloride (DCM)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Methyl-tert-butyl ether (MTBE)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Naphthalene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
o-Xylene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Styrene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Tetrachloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Toluene (Methyl benzene)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
trans-1,2-Dichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Trichlorofluoromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Vinyl Acetate	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Vinyl chloride (Chloroethene)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
Xylenes (Total)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 11:49	B0L0057	PI	5030B
	Recovery				Acceptance Criteria						
Surrogate: 1,2-Dichloroethane-d4	*101%*				*75-125*		12/03/20 11:45	*12/03/20 11:49*	B0L0057	*PI*	5030B
Surrogate: Bromofluorobenzene	*103%*				*75-125*		12/03/20 11:45	*12/03/20 11:49*	B0L0057	*PI*	5030B
Surrogate: Toluene-d8	*104%*				*75-125*		12/03/20 11:45	*12/03/20 11:49*	B0L0057	*PI*	5030B

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Analytical Results

Client ID: CEFF
Lab ID: BBL0043-02 (Aqueous) **Sampled:** 12/03/20 8:30

Volatile Organic Compounds

Method: EPA 624

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
2-Hexanone	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
4-Methyl-2-pentanone (MIBK)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Dichlorodifluoromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Acetone	ND		1	5.00	10.0	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Acrolein (2-Propenal)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Acrylonitrile (2-Propenenitrile)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Benzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Bromodichloromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Bromoform (Tribromomethane)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Bromomethane (Methyl bromide)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
2-Butanone (MEK)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Carbon tetrachloride	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Chlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Chloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
2-Chloroethyl vinyl ether	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Chloroform (Trichloromethane)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Chloromethane (Methyl chloride)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Dibromochloromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,2-Dichlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,3-Dichlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,4-Dichlorobenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,1-Dichloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,2-Dichloroethane (EDC)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,1-Dichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
cis-1,2-Dichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Carbon Disulfide	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,2-Dichloropropane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
cis-1,3-Dichloropropene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
trans-1,3-Dichloropropene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,1,2,2-Tetrachloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,1,1-Trichloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
1,1,2-Trichloroethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Ethylbenzene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
m,p-Xylenes	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Analytical Results

Client ID: **CEFF**

Lab ID: **BBL0043-02 (Aqueous)** **Sampled:** **12/03/20 8:30**

Analyte	Result	Qualifier	Dilution	MDL	RL	Units	Prepared Date/Time	Analyzed Date/Time	Batch	Analyst Initials	Prep. Method
Volatile Organic Compounds (Continued)											
Trichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Methylene chloride (DCM)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Methyl-tert-butyl ether (MTBE)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Naphthalene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
o-Xylene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Styrene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Tetrachloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Toluene (Methyl benzene)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
trans-1,2-Dichloroethene	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Trichlorofluoromethane	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Vinyl Acetate	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Vinyl chloride (Chloroethene)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
Xylenes (Total)	ND		1	0.500	1.00	ug/L	12/03/20 11:45	12/03/20 12:30	B0L0057	PI	5030B
	Recovery				Acceptance Criteria						
Surrogate: 1,2-Dichloroethane-d4	*104%*				*75-125*		12/03/20 11:45	*12/03/20 12:30*	B0L0057	*PI*	5030B
Surrogate: Bromofluorobenzene	*104%*				*75-125*		12/03/20 11:45	*12/03/20 12:30*	B0L0057	*PI*	5030B
Surrogate: Toluene-d8	*104%*				*75-125*		12/03/20 11:45	*12/03/20 12:30*	B0L0057	*PI*	5030B

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3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Quality Control Results

Volatile Organic Compounds (EPA 624)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0L0057 - 5030B					**Prepared: 12/02/2020 18:12**						
Method Blank (B0L0057-BLK1)					**Analyzed: 12/03/2020 05:43**						
2-Hexanone	ND	0.500	1.00	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	0.500	1.00	ug/L							
Dichlorodifluoromethane	ND	0.500	1.00	ug/L							
Acetone	ND	5.00	10.0	ug/L							
Acrolein (2-Propenal)	ND	0.500	1.00	ug/L							
Acrylonitrile (2-Propenenitrile)	ND	0.500	1.00	ug/L							
Benzene	ND	0.500	1.00	ug/L							
Bromodichloromethane	ND	0.500	1.00	ug/L							
Bromoform (Tribromomethane)	ND	0.500	1.00	ug/L							
Bromomethane (Methyl bromide)	ND	0.500	1.00	ug/L							
2-Butanone (MEK)	ND	0.500	1.00	ug/L							
Carbon tetrachloride	ND	0.500	1.00	ug/L							
Chlorobenzene	ND	0.500	1.00	ug/L							
Chloroethane	ND	0.500	1.00	ug/L							
2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L							
Chloroform (Trichloromethane)	ND	0.500	1.00	ug/L							
Chloromethane (Methyl chloride)	ND	0.500	1.00	ug/L							
Dibromochloromethane	ND	0.500	1.00	ug/L							
1,2-Dichlorobenzene	ND	0.500	1.00	ug/L							
1,3-Dichlorobenzene	ND	0.500	1.00	ug/L							
1,4-Dichlorobenzene	ND	0.500	1.00	ug/L							
1,1-Dichloroethane	ND	0.500	1.00	ug/L							
1,2-Dichloroethane (EDC)	ND	0.500	1.00	ug/L							
1,1-Dichloroethene	ND	0.500	1.00	ug/L							
cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L							
Carbon Disulfide	ND	0.500	1.00	ug/L							
1,2-Dichloropropane	ND	0.500	1.00	ug/L							
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L							
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L							
1,1,1-Trichloroethane	ND	0.500	1.00	ug/L							
1,1,2-Trichloroethane	ND	0.500	1.00	ug/L							
Ethylbenzene	ND	0.500	1.00	ug/L							
m,p-Xylenes	ND	0.500	1.00	ug/L							
Trichloroethene	ND	0.500	1.00	ug/L							
Methylene chloride (DCM)	ND	0.500	1.00	ug/L							
Methyl-tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L							
Naphthalene	ND	0.500	1.00	ug/L							
o-Xylene	ND	0.500	1.00	ug/L							
Styrene	ND	0.500	1.00	ug/L							
Tetrachloroethene	ND	0.500	1.00	ug/L							
Toluene (Methyl benzene)	ND	0.500	1.00	ug/L							
trans-1,2-Dichloroethene	ND	0.500	1.00	ug/L							

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3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Quality Control Results

Volatile Organic Compounds (EPA 624)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0L0057 - 5030B (Continued)					**Prepared: 12/02/2020 18:12**						
Method Blank (B0L0057-BLK1)					**Analyzed: 12/03/2020 05:43**						
Trichlorofluoromethane	ND	0.500	1.00	ug/L							
Vinyl Acetate	ND	0.500	1.00	ug/L							
Vinyl chloride (Chloroethene)	ND	0.500	1.00	ug/L							
Xylenes (Total)	ND	0.500	1.00	ug/L							
Surrogate: 1,2-Dichloroethane-d4	*50.7*			*ug/L*	*50.0*		*101*	*75-125*			
Surrogate: Bromofluorobenzene	*52.2*			*ug/L*	*50.0*		*104*	*75-125*			
Surrogate: Toluene-d8	*52.3*			*ug/L*	*50.0*		*105*	*75-125*			

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	Project Name:	2002621	Reported: 12/07/2020 15:50

Quality Control Results

Volatile Organic Compounds (EPA 624)

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: B0L0057 - 5030B (Continued)					**Prepared: 12/02/2020 18:12**						
LCS (B0L0057-BS1)					**Analyzed: 12/03/2020 03:36**						
Benzene	53.0			ug/L	50.0		106	75-125			
Chlorobenzene	56.1			ug/L	50.0		112	75-125			
1,1-Dichloroethene	51.0			ug/L	50.0		102	75-125			
m,p-Xylenes	111			ug/L	100		111	75-125			
Trichloroethene	54.4			ug/L	50.0		109	75-125			
Methyl-tert-butyl ether (MTBE)	47.5			ug/L	50.0		95.1	75-125			
o-Xylene	55.8			ug/L	50.0		112	75-125			
Toluene (Methyl benzene)	54.7			ug/L	50.0		109	75-125			
Surrogate: 1,2-Dichloroethane-d4	*47.5*			*ug/L*	*50.0*		*95.0*	*75-125*			
Surrogate: Bromofluorobenzene	*49.6*			*ug/L*	*50.0*		*99.1*	*75-125*			
Surrogate: Toluene-d8	*50.6*			*ug/L*	*50.0*		*101*	*75-125*			
LCSD (B0L0057-BSD1)					**Analyzed: 12/03/2020 04:18**						
Benzene	53.2			ug/L	50.0		106	75-125	<1.00	20	
Chlorobenzene	56.1			ug/L	50.0		112	75-125	<1.00	20	
1,1-Dichloroethene	51.1			ug/L	50.0		102	75-125	<1.00	20	
m,p-Xylenes	111			ug/L	100		111	75-125	<1.00	20	
Trichloroethene	54.5			ug/L	50.0		109	75-125	<1.00	20	
Methyl-tert-butyl ether (MTBE)	47.6			ug/L	50.0		95.3	75-125	<1.00	20	
o-Xylene	55.2			ug/L	50.0		110	75-125	1.08	20	
Toluene (Methyl benzene)	54.6			ug/L	50.0		109	75-125	<1.00	20	
Surrogate: 1,2-Dichloroethane-d4	*48.0*			*ug/L*	*50.0*		*96.1*	*75-125*			
Surrogate: Bromofluorobenzene	*49.4*			*ug/L*	*50.0*		*98.8*	*75-125*			
Surrogate: Toluene-d8	*50.5*			*ug/L*	*50.0*		*101*	*75-125*			

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3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Certified Analyses included in this Report

Analyte	CAS #	Certifications
EPA 624 in Aqueous		
2-Hexanone	591-78-6	ELAP
4-Methyl-2-pentanone (MIBK)	108-10-1	ELAP
Dichlorodifluoromethane	75-71-8	ELAP
Acetone	67-64-1	ELAP
Acrolein (2-Propenal)	107-02-8	ELAP
Acrylonitrile (2-Propenenitrile)	107-13-1	ELAP
Benzene	71-43-2	ELAP
Bromodichloromethane	75-27-4	ELAP
Bromoform (Tribromomethane)	75-25-2	ELAP
Bromomethane (Methyl bromide)	74-83-9	ELAP
2-Butanone (MEK)	78-93-3	ELAP
Carbon tetrachloride	56-23-5	ELAP
Chlorobenzene	108-90-7	ELAP
Chloroethane	75-00-3	ELAP
2-Chloroethyl vinyl ether	110-75-8	ELAP
Chloroform (Trichloromethane)	67-66-3	ELAP
Chloromethane (Methyl chloride)	74-87-3	ELAP
Dibromochloromethane	124-48-1	ELAP
1,2-Dichlorobenzene	95-50-1	ELAP
1,3-Dichlorobenzene	541-73-1	ELAP
1,4-Dichlorobenzene	106-46-7	ELAP
1,1-Dichloroethane	75-34-3	ELAP
1,2-Dichloroethane (EDC)	107-06-2	ELAP
1,1-Dichloroethene	75-35-4	ELAP
cis-1,2-Dichloroethene	156-59-2	ELAP
Carbon Disulfide	75-15-0	ELAP
1,2-Dichloropropane	78-87-5	ELAP
cis-1,3-Dichloropropene	10061-01-5	ELAP
trans-1,3-Dichloropropene	10061-02-6	ELAP
1,1,2,2-Tetrachloroethane	79-34-5	ELAP
1,1,1-Trichloroethane	71-55-6	ELAP
1,1,2-Trichloroethane	79-00-5	ELAP
Ethylbenzene	100-41-4	ELAP
m,p-Xylenes	179601-23-1	ELAP
Trichloroethene	79-01-6	ELAP
Methylene chloride (DCM)	75-09-2	ELAP
Methyl-tert-butyl ether (MTBE)	1634-04-4	ELAP
o-Xylene	95-47-6	ELAP
Styrene	100-42-5	ELAP
Tetrachloroethene	127-18-4	ELAP
Toluene (Methyl benzene)	108-88-3	ELAP

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety without written approval of the laboratory.

Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Certified Analyses included in this Report
(Continued)

Analyte	CAS #	Certifications
EPA 624 in Aqueous (Continued)		
trans-1,2-Dichloroethene	156-60-5	ELAP
Trichlorofluoromethane	75-69-4	ELAP
Vinyl Acetate	108-05-4	ELAP
Vinyl chloride (Chloroethene)	75-01-4	ELAP
Xylenes (Total)	1330-20-7	ELAP

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AMERICAN ENVIRONMENTAL TESTING LABORATORY
2834 North Naomi Street Burbank, CA 91504 • ELAP# 1541 & 2402 • LACSD# 10181
TEL (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

List of Certifications

Code	Description	Number	Expires
ELAP	ELAP Cert ID	1541	06/30/2021

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

Qualifiers and Definitions

Item	Definitions
% wt	Percent Weight
%REC	Percent Recovery
°C	Degrees Celsius
AETL	American Environmental Testing Laboratory, LLC
C	Carbon
CARB	California Air Resources Board
COC	Chain of Custody
DRO	Diesel Range Organics
Dup	Duplicate
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
GRO	Gasoline Range Organics
HC	Hydrocarbon
LACSD	Los Angeles County Sanitation Districts
LCS	Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes.
LCSD	Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample.
LOQ	Limit of Quantitation
MDL	Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound.
mg/kg	Miligrams per Kilogram
mg/L	Miligrams per Liter
MRO	Motor oil Range Organics
MS	Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results.
MSD	Matrix Spike Duplicate - A replicate of Matrix Spike Sample.
N	No
ND	Analyte is not detected below Method Detection Limit.
ng/m3	Nanograms per cubic meter
NIOSH	National Institute for Occupational Safety and Health
nL/L	Nanoliters per Liter
NTU	Nephelometric Turbidity Units
Ohm-cm	Ohms per centimeter
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
RL	Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ.
RPD	Relative Percent Difference

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Advanced Technology Laboratories	AETL Job Number:	BBL0043	
3275 Walnut Avenue	Project Number:	2002621	
Signal Hill, CA 90755-5225	Attention:	Tina Nguyen	
	Project Name:	2002621	Reported: 12/07/2020 15:50

SIM	Selective Ion Monitoring
SPLP	Synthetic Precipitation Leaching Procedure
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentrations
ug/kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
ug/m3	Micrograms per cubic meter
WET	Waste Extraction Test
Y	Yes
ZHE	Zero Headspace Extraction

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ADVANCED TECHNOLOGY LABORATORIES

December 10, 2020

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 : 2002631

Client Reference : Raytheon Main GETS Quarterly Sample, 532.15

Enclosed are the results for sample(s) received on December 03, 2020 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,

Edgar P. Caballero
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 :	12/10/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CEFF	2002631-01	Groundwater	12/03/20 10:20	12/03/20 13:45
POX	2002631-02	Groundwater	12/03/20 10:50	12/03/20 13:45
INF	2002631-03	Groundwater	12/03/20 11:45	12/03/20 13:45
EW-02	2002631-04	Groundwater	12/03/20 12:25	12/03/20 13:45
MW-29	2002631-05	Groundwater	12/03/20 12:55	12/03/20 13:45

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 :	12/10/2020

Client Sample ID: CEFF

Lab ID: 2002631-01

Total Dissolved Solids (Residue, Filterable) by SM 2540C **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**700**	36	1	B0L0125	12/08/2020	12/10/20 11:21	D9

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 :	12/10/2020

Client Sample ID: POX

Lab ID: 2002631-02

Anions Scan by Ion Chromatography EPA 300.0

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**110**	5.0	10	B0L0084	12/04/2020	12/04/20 16:32	D6
Nitrate, as N	**4.5**	0.10	1	B0L0084	12/04/2020	12/04/20 15:01	
Nitrite, as N	ND	0.10	1	B0L0084	12/04/2020	12/04/20 15:01	
ortho-Phosphate, as P	ND	0.05	1	B0L0084	12/04/2020	12/04/20 15:01	
Sulfate	**130**	5.0	10	B0L0084	12/04/2020	12/04/20 16:32	D6

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B0L0077	12/04/2020	12/04/20 14:51	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**690**	10	1	B0L0125	12/08/2020	12/10/20 11:23	

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B0L0076	12/04/2020	12/04/20 15:26	

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 :	12/10/2020

Client Sample ID: INF

Lab ID: 2002631-03

Anions Scan by Ion Chromatography EPA 300.0

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**110**	5.0	10	B0L0084	12/04/2020	12/04/20 16:43	D6
Nitrate, as N	**4.5**	0.10	1	B0L0084	12/04/2020	12/04/20 15:12	
Nitrite, as N	ND	0.10	1	B0L0084	12/04/2020	12/04/20 15:12	
ortho-Phosphate, as P	ND	0.05	1	B0L0084	12/04/2020	12/04/20 15:12	
Sulfate	**130**	5.0	10	B0L0084	12/04/2020	12/04/20 16:43	D6

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B0L0077	12/04/2020	12/04/20 14:51	

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**220**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Total (as CaCO3)	**220**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**700**	10	1	B0L0082	12/04/2020	12/05/20 11:35	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B0L0114	12/08/2020	12/08/20 13:19	

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

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 :	12/10/2020

Client Sample ID: INF

Lab ID: 2002631-03

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B0L0076	12/04/2020	12/04/20 15:26	

Total Metals by ICP-AES EPA 6010B

Analyst: TA

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Selenium	ND	0.010	1	B0L0072	12/04/2020	12/04/20 14:25	

Dissolved Metals by ICP-AES EPA 6010B

Analyst: AMP

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Calcium	**96**	0.50	1	B0L0075	12/07/2020	12/08/20 11:40	
Iron	ND	0.50	1	B0L0075	12/07/2020	12/08/20 11:40	
Magnesium	**29**	0.10	1	B0L0075	12/07/2020	12/08/20 11:40	
Manganese	ND	0.50	1	B0L0075	12/07/2020	12/08/20 11:40	
Selenium	ND	0.010	1	B0L0075	12/07/2020	12/08/20 11:40	
Sodium	**72**	1.0	1	B0L0075	12/07/2020	12/08/20 11:40	

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 : 12/10/2020

Client Sample ID: EW-02

Lab ID: 2002631-04

Anions Scan by Ion Chromatography EPA 300.0

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**87**	5.0	10	B0L0084	12/04/2020	12/04/20 16:55	D6
Nitrate, as N	**3.8**	0.10	1	B0L0084	12/04/2020	12/04/20 15:23	
Nitrite, as N	ND	0.10	1	B0L0084	12/04/2020	12/04/20 15:23	
ortho-Phosphate, as P	ND	0.05	1	B0L0084	12/04/2020	12/04/20 15:23	
Sulfate	**130**	5.0	10	B0L0084	12/04/2020	12/04/20 16:55	D6

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B0L0077	12/04/2020	12/04/20 14:51	

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**670**	10	1	B0L0082	12/04/2020	12/05/20 11:37	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B0L0114	12/08/2020	12/08/20 13:37	

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

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 : 12/10/2020

Client Sample ID: EW-02

Lab ID: 2002631-04

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B0L0076	12/04/2020	12/04/20 15:26	

Total Metals by ICP-AES EPA 6010B

Analyst: TA

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Selenium	ND	0.010	1	B0L0072	12/04/2020	12/04/20 14:29	

Dissolved Metals by ICP-AES EPA 6010B

Analyst: AMP

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Calcium	**94**	0.50	1	B0L0075	12/07/2020	12/08/20 11:45	
Iron	ND	0.50	1	B0L0075	12/07/2020	12/08/20 11:45	
Magnesium	**28**	0.10	1	B0L0075	12/07/2020	12/08/20 11:45	
Manganese	ND	0.50	1	B0L0075	12/07/2020	12/08/20 11:45	
Selenium	ND	0.010	1	B0L0075	12/07/2020	12/08/20 11:45	
Sodium	**69**	1.0	1	B0L0075	12/07/2020	12/08/20 11:45	

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 :	12/10/2020

Client Sample ID: MW-29

Lab ID: 2002631-05

Anions Scan by Ion Chromatography EPA 300.0

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloride	**170**	10	20	B0L0084	12/04/2020	12/04/20 17:06	D6
Nitrate, as N	**6.6**	0.10	1	B0L0084	12/04/2020	12/04/20 15:35	
Nitrite, as N	ND	0.10	1	B0L0084	12/04/2020	12/04/20 15:35	
ortho-Phosphate, as P	ND	0.05	1	B0L0084	12/04/2020	12/04/20 15:35	
Sulfate	**120**	10	20	B0L0084	12/04/2020	12/04/20 17:06	D6

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B0L0077	12/04/2020	12/04/20 14:51	

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**260**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Total (as CaCO3)	**260**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	

Total Dissolved Solids (Residue, Filterable) by SM 2540C

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Dissolved	**870**	10	1	B0L0082	12/04/2020	12/05/20 11:39	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B0L0114	12/08/2020	12/08/20 13:55	

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

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 :	12/10/2020

Client Sample ID: MW-29

Lab ID: 2002631-05

Chemical Oxygen Demand by EPA 410.4

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chemical Oxygen Demand	ND	5.0	1	B0L0076	12/04/2020	12/04/20 15:26	

Total Metals by ICP-AES EPA 6010B

Analyst: TA

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Selenium	ND	0.010	1	B0L0072	12/04/2020	12/04/20 14:31	

Dissolved Metals by ICP-AES EPA 6010B

Analyst: AMP

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Calcium	**120**	0.50	1	B0L0075	12/07/2020	12/08/20 11:47	
Iron	ND	0.50	1	B0L0075	12/07/2020	12/08/20 11:47	
Magnesium	**35**	0.10	1	B0L0075	12/07/2020	12/08/20 11:47	
Manganese	ND	0.50	1	B0L0075	12/07/2020	12/08/20 11:47	
Selenium	ND	0.010	1	B0L0075	12/07/2020	12/08/20 11:47	
Sodium	**94**	1.0	1	B0L0075	12/07/2020	12/08/20 11:47	

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 : 12/10/2020

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 B0L0134 - No_Prep_WC1_W										
Blank (B0L0134-BLK1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	3.4							
Alkalinity, Total (as CaCO3)	ND	5.0	3.4							
LCS (B0L0134-BS1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Total (as CaCO3)	101.420	5.0	3.4	99.9580		101	80 - 120			
Matrix Spike (B0L0134-MS1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Total (as CaCO3)	322.510	5.0	3.4	99.9580	223.090	99.5	80 - 120			
Matrix Spike Dup (B0L0134-MSD1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Total (as CaCO3)	325.620	5.0	3.4	99.9580	223.090	103	80 - 120	0.960	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 : 12/10/2020

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 B0L0082 - No_Prep_WC1_W										
Blank (B0L0082-BLK1)					Prepared: 12/4/2020 Analyzed: 12/5/2020					
Residue, Dissolved	ND	10	10							
LCS (B0L0082-BS1)					Prepared: 12/4/2020 Analyzed: 12/5/2020					
Residue, Dissolved	1020.00	10	10	1000.00		102	80 - 120			
Duplicate (B0L0082-DUP1)			**Source: 2002628-03**		Prepared: 12/4/2020 Analyzed: 12/5/2020					
Residue, Dissolved	6213.33	67	67		6586.67			5.83	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 : 12/10/2020

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 B0L0125 - No_Prep_WC1_W										
Blank (B0L0125-BLK1)					Prepared: 12/8/2020 Analyzed: 12/10/2020					
Residue, Dissolved	ND	10	10							
LCS (B0L0125-BS1)					Prepared: 12/8/2020 Analyzed: 12/10/2020					
Residue, Dissolved	984.000	10	10	1000.00		98.4	80 - 120			
LCS Dup (B0L0125-BSD1)					Prepared: 12/8/2020 Analyzed: 12/10/2020					
Residue, Dissolved	1001.00	10	10	1000.00		100	80 - 120	1.71	200	

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 : 12/10/2020

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 B0L0084 - No_Prep_IC1_W										
Blank (B0L0084-BLK1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chloride	ND	0.50	0.15							
Nitrate, as N	ND	0.10	0.05							
Nitrite, as N	ND	0.10	0.02							
ortho-Phosphate, as P	ND	0.05	0.05							
Sulfate	ND	0.50	0.25							
LCS (B0L0084-BS1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chloride	0.933800	0.50	0.15	1.00000		93.4	90 - 110			
Nitrate, as N	0.977200	0.10	0.05	1.00000		97.7	90 - 110			
Nitrite, as N	0.936300	0.10	0.02	1.00000		93.6	90 - 110			
ortho-Phosphate, as P	0.900400	0.05	0.05	1.00000		90.0	90 - 110			
Sulfate	2.01460	0.50	0.25	2.00000		101	90 - 110			
Duplicate (B0L0084-DUP1)			**Source: 2002631-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chloride	87.3140	5.0	1.5		86.5010			0.935	20	D6
Nitrate, as N	3.98900	1.0	0.47		3.81240			4.53	20	D6
Nitrite, as N	ND	1.0	0.15		ND				20	D6
ortho-Phosphate, as P	ND	0.50	0.48		ND				20	D6
Sulfate	130.967	5.0	2.5		129.368			1.23	20	D6
Matrix Spike (B0L0084-MS1)			**Source: 2002631-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chloride	85.5700	5.0	1.5	2.50000	86.5010	-37.2	80 - 120			D6, M6
Nitrate, as N	6.02800	1.0	0.47	2.50000	3.81240	88.6	80 - 120			D6
Nitrite, as N	4.12500	1.0	0.15	2.50000	ND	165	80 - 120			D6, M2
ortho-Phosphate, as P	1.68500	0.50	0.48	2.50000	ND	67.4	80 - 120			D6, M6
Sulfate	136.558	5.0	2.5	5.00000	129.368	144	80 - 120			D6, M2
Matrix Spike Dup (B0L0084-MSD1)			**Source: 2002631-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chloride	84.8930	5.0	1.5	2.50000	86.5010	-64.3	80 - 120	0.794	20	D6, M6
Nitrate, as N	6.02400	1.0	0.47	2.50000	3.81240	88.5	80 - 120	0.0664	20	D6
Nitrite, as N	4.20200	1.0	0.15	2.50000	ND	168	80 - 120	1.85	20	D6, M2
ortho-Phosphate, as P	1.80700	0.50	0.48	2.50000	ND	72.3	80 - 120	6.99	20	D6, M6
Sulfate	136.052	5.0	2.5	5.00000	129.368	134	80 - 120	0.371	20	D6, M2

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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 : 12/10/2020

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 B0L0077 - No_Prep_II_W										
Duplicate (B0L0077-DUP1)			**Source: 2002631-05**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
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 : 12/10/2020

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 B0L0114 - No_Prep_II_W										
Blank (B0L0114-BLK1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	ND	3.0	1.3							
LCS (B0L0114-BS1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	23.6000	3.0	1.3	25.0000		94.4	80 - 120			
Duplicate (B0L0114-DUP1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	ND	3.0	1.3		ND			NR	20	
Matrix Spike (B0L0114-MS1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	15.8900	3.0	1.3	25.0000	ND	63.6	80 - 120			
Matrix Spike Dup (B0L0114-MSD1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	17.0900	3.0	1.3	25.0000	ND	68.4	80 - 120	7.28	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 : 12/10/2020

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 B0L0076 - Prep_WC1_W										
Blank (B0L0076-BLK1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chemical Oxygen Demand	ND	5.0	4.2							
LCS (B0L0076-BS1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chemical Oxygen Demand	490.403	5.0	4.2	502.680		97.6	80 - 120			
Matrix Spike (B0L0076-MS1)			**Source: 2002631-05**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chemical Oxygen Demand	496.928	5.0	4.2	501.500	ND	99.1	80 - 120			
Matrix Spike Dup (B0L0076-MSD1)			**Source: 2002631-05**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Chemical Oxygen Demand	496.364	5.0	4.2	501.500	ND	99.0	80 - 120	0.114	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 : 12/10/2020

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 B0L0072 - EPA 3010A_W										
Blank (B0L0072-BLK1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Selenium	ND	0.010	0.0093							
LCS (B0L0072-BS1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Selenium	0.503757	0.010	0.0093	0.500000		101	80 - 120			
Matrix Spike (B0L0072-MS1)			**Source: 2002631-03**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Selenium	0.549673	0.010	0.0093	0.500000	ND	110	57 - 146			
Matrix Spike Dup (B0L0072-MSD1)			**Source: 2002631-03**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Selenium	0.539403	0.010	0.0093	0.500000	ND	108	57 - 146	1.89	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 : 12/10/2020

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 B0L0075 - EPA 3010A_W										
Blank (B0L0075-BLK1)					Prepared: 12/4/2020 Analyzed: 12/8/2020					
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 (B0L0075-BS1)					Prepared: 12/4/2020 Analyzed: 12/8/2020					
Calcium	5.21874	0.50	0.12	5.00000		104	80 - 120			
Iron	5.43801	0.50	0.011	5.00000		109	80 - 120			
Magnesium	5.26695	0.10	0.021	5.00000		105	80 - 120			
Manganese	0.471147	0.50	0.0046	0.500000		94.2	80 - 120			
Selenium	0.475571	0.010	0.0093	0.500000		95.1	80 - 120			
Sodium	8.84660	1.0	0.12	10.0000		88.5	80 - 120			
Matrix Spike (B0L0075-MS1)			**Source: 2002631-03**		Prepared: 12/4/2020 Analyzed: 12/8/2020					
Calcium	110.360	0.50	0.12	5.00000	95.9515	288	0 - 218			M1
Iron	5.43778	0.50	0.011	5.00000	0.025411	108	46 - 158			
Magnesium	36.7204	0.10	0.021	5.00000	28.5757	163	22 - 181			
Manganese	0.504743	0.50	0.0046	0.500000	ND	101	51 - 152			
Selenium	0.522371	0.010	0.0093	0.500000	ND	104	57 - 146			
Sodium	88.2358	1.0	0.12	10.0000	72.3496	159	0 - 194			
Matrix Spike Dup (B0L0075-MSD1)			**Source: 2002631-03**		Prepared: 12/4/2020 Analyzed: 12/8/2020					
Calcium	108.895	0.50	0.12	5.00000	95.9515	259	0 - 218	1.34	20	M1
Iron	5.44499	0.50	0.011	5.00000	0.025411	108	46 - 158	0.133	20	
Magnesium	36.1512	0.10	0.021	5.00000	28.5757	152	22 - 181	1.56	20	
Manganese	0.504592	0.50	0.0046	0.500000	ND	101	51 - 152	0.0301	20	
Selenium	0.529546	0.010	0.0093	0.500000	ND	106	57 - 146	1.36	20	
Sodium	86.7970	1.0	0.12	10.0000	72.3496	144	0 - 194	1.64	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 :	12/10/2020

Notes and Definitions

M6	Matrix spike analyte was diluted out.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
D9	A lesser amount of sample was analyzed due to limited sample.
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

2002631

Date: 12/3/2020
Page 1 of 1

PROJECT: Raytheon Main GETS Quarterly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

3.0 c Ice

Sampled By: Ruben Sanchez

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
1	CEFF	12/3/2020	10:20	X					X		1								X										X		
2	POX	12/3/2020	10:50	X				X	X		3			1		X	X		X			X							X		
3	INF	12/3/2020	11:45	X			X	X	X	3	3	1	2	1	X	X	X	X	X	X	X	X							X		
4	EW-02	12/3/2020	12:25	X			X	X	X	3	3	1	2	1	X	X	X	X	X	X	X	X							X		
5	MW-29	12/3/2020	12:55	X			X	X	X	3	3	1	2	1	X	X	X	X	X	X	X	X							X		

Total number of containers per analysis: 9 | 13 | 3 | 6 | 4

Relinquished By: / Company	Date / Time	Received By: / Company	Date / Time
H+A	12-3-20 1345	H+A	12-3-2020 13:45
H+A	12-3-20 15:10		12-3-2020

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

30 c Temperature on receipt

Laboratory
Advanced Technology Laboratories
Attn: Tina Nguyen
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

REMARKS
Lab to filter dissolved metals, and anions

Total No. of Containers: 35

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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.

December 21, 2020

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 : 2002629
Client Reference : Raytheon Main GETS Monthly Sample, 532.15

Enclosed are the results for sample(s) received on December 03, 2020 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,

Edgar P. Caballero
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 : 12/21/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-120320	2002629-01	Water	12/03/20 8:00	12/03/20 15:10
CEFF	2002629-02	Groundwater	12/03/20 10:20	12/03/20 15:10
CBT	2002629-03	Groundwater	12/03/20 10:30	12/03/20 15:10
POX	2002629-04	Groundwater	12/03/20 10:50	12/03/20 15:10
PF	2002629-05	Groundwater	12/03/20 11:15	12/03/20 15:10
INF	2002629-06	Groundwater	12/03/20 11:45	12/03/20 15:10
EW-02	2002629-07	Groundwater	12/03/20 12:25	12/03/20 15:10
MW-29	2002629-08	Groundwater	12/03/20 12:55	12/03/20 15:10

CASE NARRATIVE

Samples for Bromate by IC-MS/MS was subcontracted to Element Materials Technology with CA-ELAP Cert. 2652.

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 : 12/21/2020

Client Sample ID: TB-120320

Lab ID: 2002629-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,1,2-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,1-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,1-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	

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 : 12/21/2020

Client Sample ID: TB-120320

Lab ID: 2002629-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 12:24	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 12:24	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Tetrachloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Trichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Trichlorofluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:24	
Surrogate: 1,2-Dichloroethane-d4	*99.4 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 12:24*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 12:24*	
Surrogate: Dibromofluoromethane	*103 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 12:24*	
Surrogate: Toluene-d8	*99.7 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 12:24*	

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 : 12/21/2020

Client Sample ID: CEFF

Lab ID: 2002629-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,1,2-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,1-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,1-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	

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 : 12/21/2020

Client Sample ID: CEFF

Lab ID: 2002629-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 13:05	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 13:05	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Tetrachloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Trichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Trichlorofluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:05	
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 13:05*	
Surrogate: 4-Bromofluorobenzene	*91.0 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 13:05*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 13:05*	
Surrogate: Toluene-d8	*97.8 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 13:05*	

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 : 12/21/2020

Client Sample ID: CEFF

Lab ID: 2002629-02

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	B0L0083	12/04/2020	12/07/20 15:21	
Surrogate: 1,2-Dichlorobenzene-d4	*43.2 %*		*13 - 99*		B0L0083	12/04/2020	*12/07/20 15:21*	
Surrogate: 2-Fluorobiphenyl	*58.3 %*		*8 - 111*		B0L0083	12/04/2020	*12/07/20 15:21*	
Surrogate: 4-Terphenyl-d14	*66.7 %*		*12 - 113*		B0L0083	12/04/2020	*12/07/20 15:21*	
Surrogate: Nitrobenzene-d5	*57.7 %*		*15 - 121*		B0L0083	12/04/2020	*12/07/20 15:21*	

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 : 12/21/2020

Client Sample ID: CBT

Lab ID: 2002629-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,1,2-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,1-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,1-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	

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 : 12/21/2020

Client Sample ID: CBT

Lab ID: 2002629-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 13:25	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 13:25	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Tetrachloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Trichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Trichlorofluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:25	
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 13:25*	
Surrogate: 4-Bromofluorobenzene	*88.2 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 13:25*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 13:25*	
Surrogate: Toluene-d8	*97.4 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 13:25*	

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 : 12/21/2020

Client Sample ID: CBT

Lab ID: 2002629-03

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	B0L0083	12/04/2020	12/07/20 15:48	
Surrogate: 1,2-Dichlorobenzene-d4	*45.1 %*		*13 - 99*		B0L0083	12/04/2020	*12/07/20 15:48*	
Surrogate: 2-Fluorobiphenyl	*62.4 %*		*8 - 111*		B0L0083	12/04/2020	*12/07/20 15:48*	
Surrogate: 4-Terphenyl-d14	*76.1 %*		*12 - 113*		B0L0083	12/04/2020	*12/07/20 15:48*	
Surrogate: Nitrobenzene-d5	*60.9 %*		*15 - 121*		B0L0083	12/04/2020	*12/07/20 15:48*	

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 : 12/21/2020

Client Sample ID: POX

Lab ID: 2002629-04

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**220**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Total (as CaCO3)	**220**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B0L0114	12/08/2020	12/08/20 12:41	

Volatile Organic Compounds by EPA 8260B

Analyst: KL

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,1,2-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,1-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,1-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	

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 : 12/21/2020

Client Sample ID: POX

Lab ID: 2002629-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 12:44	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 12:44	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Tetrachloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Trichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Trichlorofluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 12:44	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 12:44*	
Surrogate: 4-Bromofluorobenzene	*90.8 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 12:44*	

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 :	12/21/2020

Client Sample ID: POX

Lab ID: 2002629-04

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*103 %*		*78 - 129*		B0L0069	12/04/2020	*12/04/20 12:44*	
Surrogate: Toluene-d8	*99.0 %*		*84 - 117*		B0L0069	12/04/2020	*12/04/20 12:44*	

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	B0L0083	12/04/2020	12/07/20 16:14	
Surrogate: 1,2-Dichlorobenzene-d4	*49.4 %*		*13 - 99*		B0L0083	12/04/2020	*12/07/20 16:14*	
Surrogate: 2-Fluorobiphenyl	*63.8 %*		*8 - 111*		B0L0083	12/04/2020	*12/07/20 16:14*	
Surrogate: 4-Terphenyl-d14	*72.2 %*		*12 - 113*		B0L0083	12/04/2020	*12/07/20 16:14*	
Surrogate: Nitrobenzene-d5	*57.6 %*		*15 - 121*		B0L0083	12/04/2020	*12/07/20 16:14*	

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 :	12/21/2020

Client Sample ID: PF

Lab ID: 2002629-05

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B0L0077	12/04/2020	12/04/20 14:51	

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**230**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	
Alkalinity, Total (as CaCO3)	**230**	5.0	1	B0L0134	12/08/2020	12/08/20 14:18	

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Suspended	ND	10	1	B0L0096	12/07/2020	12/07/20 14:30	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B0L0114	12/08/2020	12/08/20 13:01	

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 : 12/21/2020

Client Sample ID: INF

Lab ID: 2002629-06

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B0L0084	12/04/2020	12/04/20 14:26	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,1,2-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,1-Dichloroethane	**0.53**	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,1-Dichloroethene	**58**	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	

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 : 12/21/2020

Client Sample ID: INF

Lab ID: 2002629-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 14:05	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 14:05	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Tetrachloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Trichloroethene	**0.74**	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Trichlorofluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:05	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 14:05*	
Surrogate: 4-Bromofluorobenzene	*88.7 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 14:05*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 14:05*	
Surrogate: Toluene-d8	*97.7 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 14:05*	

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 : 12/21/2020

Client Sample ID: INF

Lab ID: 2002629-06

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		**32**	2.0	1	B0L0078	12/04/2020	12/04/20 20:45	
Surrogate: 1,2-Dichlorobenzene-d4	*62.0 %*		*17 - 119*		B0L0078	12/04/2020	*12/04/20 20:45*	
Surrogate: 2-Fluorobiphenyl	*72.6 %*		*10 - 133*		B0L0078	12/04/2020	*12/04/20 20:45*	
Surrogate: 4-Terphenyl-d14	*77.8 %*		*5 - 139*		B0L0078	12/04/2020	*12/04/20 20:45*	
Surrogate: Nitrobenzene-d5	*75.0 %*		*13 - 150*		B0L0078	12/04/2020	*12/04/20 20:45*	

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 : 12/21/2020

Client Sample ID: EW-02

Lab ID: 2002629-07

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B0L0084	12/04/2020	12/04/20 14:38	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,1,2-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,1-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,1-Dichloroethene	**18**	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	

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 : 12/21/2020

Client Sample ID: EW-02

Lab ID: 2002629-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 13:45	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 13:45	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Tetrachloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Trichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Trichlorofluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 13:45	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 13:45*	
Surrogate: 4-Bromofluorobenzene	*91.0 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 13:45*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 13:45*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 13:45*	

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 : 12/21/2020

Client Sample ID: EW-02

Lab ID: 2002629-07

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		**11**	2.0	1	B0L0078	12/04/2020	12/04/20 21:10	
Surrogate: 1,2-Dichlorobenzene-d4	*67.2 %*		*17 - 119*		B0L0078	12/04/2020	*12/04/20 21:10*	
Surrogate: 2-Fluorobiphenyl	*73.2 %*		*10 - 133*		B0L0078	12/04/2020	*12/04/20 21:10*	
Surrogate: 4-Terphenyl-d14	*71.2 %*		*5 - 139*		B0L0078	12/04/2020	*12/04/20 21:10*	
Surrogate: Nitrobenzene-d5	*76.8 %*		*13 - 150*		B0L0078	12/04/2020	*12/04/20 21:10*	

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 : 12/21/2020

Client Sample ID: MW-29

Lab ID: 2002629-08

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B0L0084	12/04/2020	12/04/20 14:49	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,1,1-Trichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,1,2-Trichloroethane	**0.66**	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,1-Dichloroethane	**1.5**	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,1-Dichloroethene	**180**	2.5	5	B0L0069	12/04/2020	12/04/20 14:45	
1,1-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2,3-Trichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2-Dibromoethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2-Dichloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,3-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,3-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
1,4-Dichlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
2,2-Dichloropropane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
2-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
4-Chlorotoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
4-Isopropyltoluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Benzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Bromobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Bromodichloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Bromoform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Bromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Carbon tetrachloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Chlorobenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	

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 : 12/21/2020

Client Sample ID: MW-29

Lab ID: 2002629-08

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Chloroform	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Chloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Dibromochloromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Dibromomethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Dichlorodifluoromethane	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Ethylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Hexachlorobutadiene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Isopropylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
m,p-Xylene	ND	1.0	1	B0L0069	12/04/2020	12/04/20 14:25	
Methylene chloride	ND	1.0	1	B0L0069	12/04/2020	12/04/20 14:25	
n-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
n-Propylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Naphthalene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
o-Xylene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
sec-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Styrene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
tert-Butylbenzene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Tetrachloroethene	**0.54**	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Toluene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Trichloroethene	**2.2**	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Trichlorofluoromethane	**0.96**	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Vinyl chloride	ND	0.50	1	B0L0069	12/04/2020	12/04/20 14:25	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 14:45*	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*64 - 155*		B0L0069	12/04/2020	*12/04/20 14:25*	
Surrogate: 4-Bromofluorobenzene	*87.8 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 14:45*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*73 - 124*		B0L0069	12/04/2020	*12/04/20 14:25*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 14:25*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*		B0L0069	12/04/2020	*12/04/20 14:45*	
Surrogate: Toluene-d8	*98.1 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 14:25*	
Surrogate: Toluene-d8	*98.8 %*	*84 - 117*		B0L0069	12/04/2020	*12/04/20 14:45*	

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 : 12/21/2020

Client Sample ID: MW-29

Lab ID: 2002629-08

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		**100**	2.0	1	B0L0078	12/04/2020	12/04/20 21:36	
Surrogate: 1,2-Dichlorobenzene-d4	*61.7 %*		*17 - 119*		B0L0078	12/04/2020	*12/04/20 21:36*	
Surrogate: 2-Fluorobiphenyl	*69.2 %*		*10 - 133*		B0L0078	12/04/2020	*12/04/20 21:36*	
Surrogate: 4-Terphenyl-d14	*69.6 %*		*5 - 139*		B0L0078	12/04/2020	*12/04/20 21:36*	
Surrogate: Nitrobenzene-d5	*71.9 %*		*13 - 150*		B0L0078	12/04/2020	*12/04/20 21:36*	

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 : 12/21/2020

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 B0L0134 - No_Prep_WC1_W										
Blank (B0L0134-BLK1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	3.4							
Alkalinity, Total (as CaCO3)	ND	5.0	3.4							
LCS (B0L0134-BS1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Total (as CaCO3)	101.420	5.0	3.4	99.9580		101	80 - 120			
Matrix Spike (B0L0134-MS1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Total (as CaCO3)	322.510	5.0	3.4	99.9580	223.090	99.5	80 - 120			
Matrix Spike Dup (B0L0134-MSD1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Alkalinity, Total (as CaCO3)	325.620	5.0	3.4	99.9580	223.090	103	80 - 120	0.960	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 : 12/21/2020

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 B0L0096 - No_Prep_WC1_W										
Blank (B0L0096-BLK1)					Prepared: 12/7/2020 Analyzed: 12/7/2020					
Residue, Suspended	ND	1.0	1.0							
LCS (B0L0096-BS1)					Prepared: 12/7/2020 Analyzed: 12/7/2020					
Residue, Suspended	97.0000	10	10	100.000		97.0	80 - 120			
Duplicate (B0L0096-DUP1)			**Source: 2002641-01**		Prepared: 12/7/2020 Analyzed: 12/7/2020					
Residue, Suspended	109.000	10	10		102.000			6.64	10	

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 : 12/21/2020

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 B0L0084 - No_Prep_IC1_W										
Blank (B0L0084-BLK1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Bromide	ND	0.05	0.02							
LCS (B0L0084-BS1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Bromide	0.925200	0.05	0.02	1.00000		92.5	90 - 110			
Duplicate (B0L0084-DUP1)			**Source: 2002631-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Bromide	ND	0.50	0.18		ND			NR	20	D6
Matrix Spike (B0L0084-MS1)			**Source: 2002631-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Bromide	3.17800	0.50	0.18	2.50000	ND	127	80 - 120			D6, M7
Matrix Spike Dup (B0L0084-MSD1)			**Source: 2002631-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Bromide	3.10300	0.50	0.18	2.50000	ND	124	80 - 120	2.39	20	D6, M7

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 : 12/21/2020

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 B0L0077 - No_Prep_II_W										
Duplicate (B0L0077-DUP1)			**Source: 2002631-05**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
UV Absorption	ND	0.01	0.01		ND			NR	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 : 12/21/2020

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 B0L0114 - No_Prep_II_W										
Blank (B0L0114-BLK1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	ND	3.0	1.3							
LCS (B0L0114-BS1)					Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	23.6000	3.0	1.3	25.0000		94.4	80 - 120			
Duplicate (B0L0114-DUP1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	ND	3.0	1.3		ND			NR	20	
Matrix Spike (B0L0114-MS1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	15.8900	3.0	1.3	25.0000	ND	63.6	80 - 120			
Matrix Spike Dup (B0L0114-MSD1)			**Source: 2002629-04**		Prepared: 12/8/2020 Analyzed: 12/8/2020					
Organic Carbon, Total	17.0900	3.0	1.3	25.0000	ND	68.4	80 - 120	7.28	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 : 12/21/2020

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 B0L0069 - MSVOA_LL_W										
Blank (B0L0069-BLK1)							Prepared: 12/4/2020 Analyzed: 12/4/2020			
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main GETS Monthly Sample, 5
Report To : Steve Netto
Reported : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
Blank (B0L0069-BLK1) - Continued					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*24.59*			*25.0000*		*98.4*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*22.61*			*25.0000*		*90.4*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.13*			*25.0000*		*101*	*78 - 129*			
Surrogate: Toluene-d8	*23.89*			*25.0000*		*95.6*	*84 - 117*			
LCS (B0L0069-BS1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,1,1,2-Tetrachloroethane	20.2200	0.50	0.11	20.0000		101	79 - 116			
1,1,1-Trichloroethane	20.3900	0.50	0.21	20.0000		102	73 - 130			
1,1,2,2-Tetrachloroethane	18.1000	0.50	0.36	20.0000		90.5	71 - 122			
1,1,2-Trichloroethane	19.5800	0.50	0.25	20.0000		97.9	70 - 124			
1,1-Dichloroethane	20.0000	0.50	0.09	20.0000		100	69 - 128			
1,1-Dichloroethene	20.1400	0.50	0.13	20.0000		101	65 - 137			
1,1-Dichloropropene	20.1500	0.50	0.13	20.0000		101	74 - 129			
1,2,3-Trichloropropane	19.0000	0.50	0.39	20.0000		95.0	74 - 123			
1,2,3-Trichlorobenzene	21.0400	0.50	0.18	20.0000		105	59 - 130			
1,2,4-Trichlorobenzene	21.0100	0.50	0.16	20.0000		105	65 - 125			
1,2,4-Trimethylbenzene	18.7700	0.50	0.14	20.0000		93.8	88 - 124			
1,2-Dibromo-3-chloropropane	17.9900	0.50	0.41	20.0000		90.0	61 - 127			
1,2-Dibromoethane	19.5900	0.50	0.24	20.0000		98.0	72 - 125			
1,2-Dichlorobenzene	19.7500	0.50	0.20	20.0000		98.8	84 - 113			
1,2-Dichloroethane	18.7400	0.50	0.20	20.0000		93.7	68 - 130			
1,2-Dichloropropane	20.2300	0.50	0.15	20.0000		101	77 - 121			
1,3,5-Trimethylbenzene	18.9400	0.50	0.13	20.0000		94.7	83 - 124			
1,3-Dichlorobenzene	20.6500	0.50	0.16	20.0000		103	83 - 112			
1,3-Dichloropropane	19.3200	0.50	0.21	20.0000		96.6	77 - 119			

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 : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
LCS (B0L0069-BS1) - Continued					Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,4-Dichlorobenzene	19.6100	0.50	0.17	20.0000		98.0	79 - 115			
2,2-Dichloropropane	22.2300	0.50	0.38	20.0000		111	67 - 149			
2-Chlorotoluene	20.0400	0.50	0.11	20.0000		100	81 - 119			
4-Chlorotoluene	20.5800	0.50	0.12	20.0000		103	86 - 117			
4-Isopropyltoluene	19.3900	0.50	0.11	20.0000		97.0	82 - 131			
Benzene	20.1900	0.50	0.13	20.0000		101	75 - 124			
Bromobenzene	19.1700	0.50	0.21	20.0000		95.8	82 - 108			
Bromodichloromethane	19.6700	0.50	0.14	20.0000		98.4	80 - 120			
Bromoform	18.6600	0.50	0.20	20.0000		93.3	70 - 123			
Bromomethane	17.4500	0.50	0.40	20.0000		87.2	44 - 151			
Carbon tetrachloride	20.4900	0.50	0.09	20.0000		102	62 - 140			
Chlorobenzene	20.2300	0.50	0.13	20.0000		101	80 - 112			
Chloroethane	16.6700	0.50	0.15	20.0000		83.4	42 - 167			
Chloroform	19.9300	0.50	0.11	20.0000		99.6	77 - 122			
Chloromethane	20.6200	0.50	0.12	20.0000		103	33 - 153			
cis-1,2-Dichloroethene	20.3800	0.50	0.14	20.0000		102	75 - 121			
cis-1,3-Dichloropropene	19.3100	0.50	0.13	20.0000		96.6	73 - 127			
Dibromochloromethane	19.2500	0.50	0.16	20.0000		96.2	77 - 122			
Dibromomethane	20.7500	0.50	0.19	20.0000		104	75 - 121			
Dichlorodifluoromethane	28.1500	0.50	0.18	20.0000		141	0 - 171			
Ethylbenzene	20.2500	0.50	0.13	20.0000		101	82 - 119			
Hexachlorobutadiene	20.9800	0.50	0.15	20.0000		105	71 - 131			
Isopropylbenzene	20.4100	0.50	0.10	20.0000		102	75 - 126			
m,p-Xylene	42.7800	1.0	0.19	40.0000		107	86 - 119			
Methylene chloride	20.3100	1.0	0.71	20.0000		102	76 - 125			
n-Butylbenzene	21.1000	0.50	0.11	20.0000		106	81 - 125			
n-Propylbenzene	20.6800	0.50	0.10	20.0000		103	78 - 130			
Naphthalene	17.9100	0.50	0.41	20.0000		89.6	47 - 128			
o-Xylene	21.0400	0.50	0.13	20.0000		105	85 - 119			
sec-Butylbenzene	21.3000	0.50	0.09	20.0000		106	78 - 130			
Styrene	17.0400	0.50	0.13	20.0000		85.2	62 - 148			
tert-Butylbenzene	20.8200	0.50	0.09	20.0000		104	77 - 125			
Tetrachloroethene	20.2600	0.50	0.10	20.0000		101	73 - 120			
Toluene	20.2100	0.50	0.12	20.0000		101	79 - 119			
trans-1,2-Dichloroethene	20.3700	0.50	0.09	20.0000		102	70 - 129			
Trichloroethene	20.5400	0.50	0.10	20.0000		103	73 - 117			
Trichlorofluoromethane	21.2000	0.50	0.23	20.0000		106	59 - 135			
Vinyl chloride	19.8900	0.50	0.13	20.0000		99.4	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*22.93*			*25.0000*		*91.7*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.24*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.02*			*25.0000*		*96.1*	*78 - 129*			

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 : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
LCS (B0L0069-BS1) - Continued					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Surrogate: Toluene-d8	*26.11*			*25.0000*		*104*	*84 - 117*			
LCS Dup (B0L0069-BSD1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,1,1,2-Tetrachloroethane	18.9900	0.50	0.11	20.0000		95.0	79 - 116	6.27	20	
1,1,1-Trichloroethane	18.0900	0.50	0.21	20.0000		90.4	73 - 130	12.0	20	
1,1,2,2-Tetrachloroethane	18.3900	0.50	0.36	20.0000		92.0	71 - 122	1.59	20	
1,1,2-Trichloroethane	18.8600	0.50	0.25	20.0000		94.3	70 - 124	3.75	20	
1,1-Dichloroethane	18.4400	0.50	0.09	20.0000		92.2	69 - 128	8.12	20	
1,1-Dichloroethene	18.0100	0.50	0.13	20.0000		90.0	65 - 137	11.2	20	
1,1-Dichloropropene	18.4400	0.50	0.13	20.0000		92.2	74 - 129	8.86	20	
1,2,3-Trichloropropane	18.8500	0.50	0.39	20.0000		94.2	74 - 123	0.793	20	
1,2,3-Trichlorobenzene	20.5900	0.50	0.18	20.0000		103	59 - 130	2.16	20	
1,2,4-Trichlorobenzene	19.5000	0.50	0.16	20.0000		97.5	65 - 125	7.45	20	
1,2,4-Trimethylbenzene	17.2400	0.50	0.14	20.0000		86.2	88 - 124	8.50	20	L3
1,2-Dibromo-3-chloropropane	19.6800	0.50	0.41	20.0000		98.4	61 - 127	8.97	20	
1,2-Dibromoethane	19.1100	0.50	0.24	20.0000		95.6	72 - 125	2.48	20	
1,2-Dichlorobenzene	19.0200	0.50	0.20	20.0000		95.1	84 - 113	3.77	20	
1,2-Dichloroethane	18.0000	0.50	0.20	20.0000		90.0	68 - 130	4.03	20	
1,2-Dichloropropane	19.3400	0.50	0.15	20.0000		96.7	77 - 121	4.50	20	
1,3,5-Trimethylbenzene	17.5500	0.50	0.13	20.0000		87.8	83 - 124	7.62	20	
1,3-Dichlorobenzene	19.3200	0.50	0.16	20.0000		96.6	83 - 112	6.65	20	
1,3-Dichloropropane	19.3200	0.50	0.21	20.0000		96.6	77 - 119	0.00	20	
1,4-Dichlorobenzene	18.4400	0.50	0.17	20.0000		92.2	79 - 115	6.15	20	
2,2-Dichloropropane	19.4100	0.50	0.38	20.0000		97.0	67 - 149	13.5	20	
2-Chlorotoluene	18.8900	0.50	0.11	20.0000		94.4	81 - 119	5.91	20	
4-Chlorotoluene	18.9700	0.50	0.12	20.0000		94.8	86 - 117	8.14	20	
4-Isopropyltoluene	17.9200	0.50	0.11	20.0000		89.6	82 - 131	7.88	20	
Benzene	18.9600	0.50	0.13	20.0000		94.8	75 - 124	6.28	20	
Bromobenzene	18.2900	0.50	0.21	20.0000		91.4	82 - 108	4.70	20	
Bromodichloromethane	18.2400	0.50	0.14	20.0000		91.2	80 - 120	7.54	20	
Bromoform	19.1800	0.50	0.20	20.0000		95.9	70 - 123	2.75	20	
Bromomethane	15.9300	0.50	0.40	20.0000		79.6	44 - 151	9.11	20	
Carbon tetrachloride	19.0500	0.50	0.09	20.0000		95.2	62 - 140	7.28	20	
Chlorobenzene	19.1500	0.50	0.13	20.0000		95.8	80 - 112	5.49	20	
Chloroethane	15.1400	0.50	0.15	20.0000		75.7	42 - 167	9.62	20	
Chloroform	17.8100	0.50	0.11	20.0000		89.0	77 - 122	11.2	20	
Chloromethane	18.9400	0.50	0.12	20.0000		94.7	33 - 153	8.49	20	
cis-1,2-Dichloroethene	18.4100	0.50	0.14	20.0000		92.0	75 - 121	10.2	20	
cis-1,3-Dichloropropene	18.0000	0.50	0.13	20.0000		90.0	73 - 127	7.02	20	
Dibromochloromethane	18.6400	0.50	0.16	20.0000		93.2	77 - 122	3.22	20	
Dibromomethane	20.3300	0.50	0.19	20.0000		102	75 - 121	2.04	20	
Dichlorodifluoromethane	26.0500	0.50	0.18	20.0000		130	0 - 171	7.75	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 : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
LCS Dup (B0L0069-BSD1) - Continued					Prepared: 12/4/2020 Analyzed: 12/4/2020					
Ethylbenzene	19.3600	0.50	0.13	20.0000		96.8	82 - 119	4.49	20	
Hexachlorobutadiene	19.8000	0.50	0.15	20.0000		99.0	71 - 131	5.79	20	
Isopropylbenzene	19.0300	0.50	0.10	20.0000		95.2	75 - 126	7.00	20	
m,p-Xylene	39.2600	1.0	0.19	40.0000		98.2	86 - 119	8.58	20	
Methylene chloride	18.4300	1.0	0.71	20.0000		92.2	76 - 125	9.71	20	
n-Butylbenzene	19.2400	0.50	0.11	20.0000		96.2	81 - 125	9.22	20	
n-Propylbenzene	19.0700	0.50	0.10	20.0000		95.4	78 - 130	8.10	20	
Naphthalene	17.8600	0.50	0.41	20.0000		89.3	47 - 128	0.280	20	
o-Xylene	19.9300	0.50	0.13	20.0000		99.6	85 - 119	5.42	20	
sec-Butylbenzene	20.1300	0.50	0.09	20.0000		101	78 - 130	5.65	20	
Styrene	15.8200	0.50	0.13	20.0000		79.1	62 - 148	7.43	20	
tert-Butylbenzene	19.5200	0.50	0.09	20.0000		97.6	77 - 125	6.45	20	
Tetrachloroethene	18.3700	0.50	0.10	20.0000		91.8	73 - 120	9.79	20	
Toluene	18.4200	0.50	0.12	20.0000		92.1	79 - 119	9.27	20	
trans-1,2-Dichloroethene	18.5400	0.50	0.09	20.0000		92.7	70 - 129	9.41	20	
Trichloroethene	18.9900	0.50	0.10	20.0000		95.0	73 - 117	7.84	20	
Trichlorofluoromethane	19.2400	0.50	0.23	20.0000		96.2	59 - 135	9.69	20	
Vinyl chloride	18.1400	0.50	0.13	20.0000		90.7	58 - 132	9.20	20	
Surrogate: 1,2-Dichloroethane-d4	*22.88*			*25.0000*		*91.5*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.82*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.45*			*25.0000*		*97.8*	*78 - 129*			
Surrogate: Toluene-d8	*25.39*			*25.0000*		*102*	*84 - 117*			
Matrix Spike (B0L0069-MS1)			**Source: 2002629-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,1,1,2-Tetrachloroethane	23.5000	0.50	0.11	20.0000	ND	118	81 - 133			
1,1,1-Trichloroethane	24.2700	0.50	0.21	20.0000	ND	121	93 - 149			
1,1,2,2-Tetrachloroethane	21.4000	0.50	0.36	20.0000	ND	107	69 - 151			
1,1,2-Trichloroethane	22.7700	0.50	0.25	20.0000	ND	114	78 - 130			
1,1-Dichloroethane	24.5300	0.50	0.09	20.0000	ND	123	68 - 135			
1,1-Dichloroethene	23.7500	0.50	0.13	20.0000	ND	119	77 - 134			
1,1-Dichloropropene	24.6400	0.50	0.13	20.0000	ND	123	91 - 138			
1,2,3-Trichloropropane	22.1200	0.50	0.39	20.0000	ND	111	77 - 136			
1,2,3-Trichlorobenzene	24.7600	0.50	0.18	20.0000	ND	124	72 - 129			
1,2,4-Trichlorobenzene	24.4100	0.50	0.16	20.0000	ND	122	64 - 135			
1,2,4-Trimethylbenzene	13.9400	0.50	0.14	20.0000	ND	69.7	10 - 179			
1,2-Dibromo-3-chloropropane	21.5300	0.50	0.41	20.0000	ND	108	62 - 153			
1,2-Dibromoethane	22.3600	0.50	0.24	20.0000	ND	112	80 - 132			
1,2-Dichlorobenzene	23.7100	0.50	0.20	20.0000	ND	119	81 - 131			
1,2-Dichloroethane	21.5600	0.50	0.20	20.0000	ND	108	68 - 146			
1,2-Dichloropropane	23.5000	0.50	0.15	20.0000	ND	118	74 - 136			
1,3,5-Trimethylbenzene	18.0200	0.50	0.13	20.0000	ND	90.1	66 - 149			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main GETS Monthly Sample, 5
Report To : Steve Netto
Reported : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
Matrix Spike (B0L0069-MS1) - Continued			**Source: 2002629-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,3-Dichlorobenzene	23.8600	0.50	0.16	20.0000	ND	119	79 - 128			
1,3-Dichloropropane	22.9000	0.50	0.21	20.0000	ND	114	80 - 129			
1,4-Dichlorobenzene	22.9700	0.50	0.17	20.0000	ND	115	84 - 121			
2,2-Dichloropropane	27.4700	0.50	0.38	20.0000	ND	137	63 - 179			
2-Chlorotoluene	24.0000	0.50	0.11	20.0000	ND	120	76 - 142			
4-Chlorotoluene	23.6800	0.50	0.12	20.0000	ND	118	72 - 152			
4-Isopropyltoluene	21.4900	0.50	0.11	20.0000	ND	107	84 - 141			
Benzene	24.0800	0.50	0.13	20.0000	ND	120	79 - 131			
Bromobenzene	22.3900	0.50	0.21	20.0000	ND	112	82 - 121			
Bromodichloromethane	21.8800	0.50	0.14	20.0000	ND	109	86 - 138			
Bromoform	22.6600	0.50	0.20	20.0000	ND	113	80 - 136			
Bromomethane	20.2800	0.50	0.40	20.0000	ND	101	35 - 194			
Carbon tetrachloride	25.1800	0.50	0.09	20.0000	ND	126	73 - 176			
Chlorobenzene	23.7800	0.50	0.13	20.0000	ND	119	81 - 124			
Chloroethane	21.4900	0.50	0.15	20.0000	ND	107	0 - 257			
Chloroform	22.5200	0.50	0.11	20.0000	ND	113	76 - 139			
Chloromethane	25.9800	0.50	0.12	20.0000	ND	130	27 - 144			
cis-1,2-Dichloroethene	23.8800	0.50	0.14	20.0000	ND	119	69 - 139			
cis-1,3-Dichloropropene	22.5500	0.50	0.13	20.0000	ND	113	67 - 149			
Dibromochloromethane	22.1200	0.50	0.16	20.0000	ND	111	91 - 131			
Dibromomethane	23.8200	0.50	0.19	20.0000	ND	119	70 - 134			
Dichlorodifluoromethane	35.9100	0.50	0.18	20.0000	ND	180	0 - 161			M2
Ethylbenzene	24.1700	0.50	0.13	20.0000	ND	121	89 - 134			
Hexachlorobutadiene	25.9200	0.50	0.15	20.0000	ND	130	73 - 137			
Isopropylbenzene	24.3500	0.50	0.10	20.0000	ND	122	72 - 152			
m,p-Xylene	46.3600	1.0	0.19	40.0000	ND	116	82 - 141			
Methylene chloride	22.6100	1.0	0.71	20.0000	ND	113	74 - 133			
n-Butylbenzene	24.5500	0.50	0.11	20.0000	ND	123	65 - 164			
n-Propylbenzene	24.9200	0.50	0.10	20.0000	ND	125	73 - 161			
Naphthalene	16.9300	0.50	0.41	20.0000	ND	84.6	59 - 105			
o-Xylene	23.7100	0.50	0.13	20.0000	ND	119	90 - 134			
sec-Butylbenzene	26.5600	0.50	0.09	20.0000	ND	133	80 - 157			
Styrene	9.76000	0.50	0.13	20.0000	ND	48.8	0 - 222			
tert-Butylbenzene	25.4700	0.50	0.09	20.0000	ND	127	88 - 141			
Tetrachloroethene	25.0300	0.50	0.10	20.0000	ND	125	75 - 136			
Toluene	23.3900	0.50	0.12	20.0000	ND	117	82 - 132			
trans-1,2-Dichloroethene	23.4500	0.50	0.09	20.0000	ND	117	65 - 135			
Trichloroethene	24.8300	0.50	0.10	20.0000	ND	124	75 - 128			
Trichlorofluoromethane	26.6600	0.50	0.23	20.0000	0.280000	132	89 - 143			
Vinyl chloride	26.6900	0.50	0.13	20.0000	ND	133	50 - 148			
Surrogate: 1,2-Dichloroethane-d4	*23.81*			*25.0000*		*95.2*	*64 - 155*			

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 : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
Matrix Spike (B0L0069-MS1) - Continued			**Source: 2002629-04**			Prepared: 12/4/2020 Analyzed: 12/4/2020				
Surrogate: 4-Bromofluorobenzene	*25.64*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.70*			*25.0000*		*98.8*	*78 - 129*			
Surrogate: Toluene-d8	*25.16*			*25.0000*		*101*	*84 - 117*			
Matrix Spike Dup (B0L0069-MSD1)			**Source: 2002629-04**			Prepared: 12/4/2020 Analyzed: 12/4/2020				
1,1,1,2-Tetrachloroethane	22.4900	0.50	0.11	20.0000	ND	112	81 - 133	4.39	20	
1,1,1-Trichloroethane	22.5500	0.50	0.21	20.0000	ND	113	93 - 149	7.35	20	
1,1,2,2-Tetrachloroethane	19.5300	0.50	0.36	20.0000	ND	97.6	69 - 151	9.14	20	
1,1,2-Trichloroethane	21.6900	0.50	0.25	20.0000	ND	108	78 - 130	4.86	20	
1,1-Dichloroethane	22.5700	0.50	0.09	20.0000	ND	113	68 - 135	8.32	20	
1,1-Dichloroethene	23.0600	0.50	0.13	20.0000	ND	115	77 - 134	2.95	20	
1,1-Dichloropropene	22.4500	0.50	0.13	20.0000	ND	112	91 - 138	9.30	20	
1,2,3-Trichloropropane	20.5400	0.50	0.39	20.0000	ND	103	77 - 136	7.41	20	
1,2,3-Trichlorobenzene	24.4400	0.50	0.18	20.0000	ND	122	72 - 129	1.30	20	
1,2,4-Trichlorobenzene	23.6300	0.50	0.16	20.0000	ND	118	64 - 135	3.25	20	
1,2,4-Trimethylbenzene	17.9900	0.50	0.14	20.0000	ND	90.0	10 - 179	25.4	20	R
1,2-Dibromo-3-chloropropane	21.8100	0.50	0.41	20.0000	ND	109	62 - 153	1.29	20	
1,2-Dibromoethane	21.1200	0.50	0.24	20.0000	ND	106	80 - 132	5.70	20	
1,2-Dichlorobenzene	21.9600	0.50	0.20	20.0000	ND	110	81 - 131	7.66	20	
1,2-Dichloroethane	20.1900	0.50	0.20	20.0000	ND	101	68 - 146	6.56	20	
1,2-Dichloropropane	21.8600	0.50	0.15	20.0000	ND	109	74 - 136	7.23	20	
1,3,5-Trimethylbenzene	19.6500	0.50	0.13	20.0000	ND	98.2	66 - 149	8.65	20	
1,3-Dichlorobenzene	22.3300	0.50	0.16	20.0000	ND	112	79 - 128	6.62	20	
1,3-Dichloropropane	21.7600	0.50	0.21	20.0000	ND	109	80 - 129	5.11	20	
1,4-Dichlorobenzene	21.3300	0.50	0.17	20.0000	ND	107	84 - 121	7.40	20	
2,2-Dichloropropane	25.2200	0.50	0.38	20.0000	ND	126	63 - 179	8.54	20	
2-Chlorotoluene	21.8800	0.50	0.11	20.0000	ND	109	76 - 142	9.24	20	
4-Chlorotoluene	22.0500	0.50	0.12	20.0000	ND	110	72 - 152	7.13	20	
4-Isopropyltoluene	21.6700	0.50	0.11	20.0000	ND	108	84 - 141	0.834	20	
Benzene	21.8600	0.50	0.13	20.0000	ND	109	79 - 131	9.66	20	
Bromobenzene	20.4900	0.50	0.21	20.0000	ND	102	82 - 121	8.86	20	
Bromodichloromethane	20.4400	0.50	0.14	20.0000	ND	102	86 - 138	6.81	20	
Bromoform	21.8800	0.50	0.20	20.0000	ND	109	80 - 136	3.50	20	
Bromomethane	20.0500	0.50	0.40	20.0000	ND	100	35 - 194	1.14	20	
Carbon tetrachloride	23.0300	0.50	0.09	20.0000	ND	115	73 - 176	8.92	20	
Chlorobenzene	22.0400	0.50	0.13	20.0000	ND	110	81 - 124	7.59	20	
Chloroethane	18.6500	0.50	0.15	20.0000	ND	93.2	0 - 257	14.2	20	
Chloroform	20.5100	0.50	0.11	20.0000	ND	103	76 - 139	9.34	20	
Chloromethane	24.4900	0.50	0.12	20.0000	ND	122	27 - 144	5.90	20	
cis-1,2-Dichloroethene	21.6800	0.50	0.14	20.0000	ND	108	69 - 139	9.66	20	
cis-1,3-Dichloropropene	21.1700	0.50	0.13	20.0000	ND	106	67 - 149	6.31	20	
Dibromochloromethane	21.0400	0.50	0.16	20.0000	ND	105	91 - 131	5.00	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 : 12/21/2020

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 B0L0069 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B0L0069-MSD1) - Continued			**Source: 2002629-04**		Prepared: 12/4/2020 Analyzed: 12/4/2020					
Dibromomethane	20.9900	0.50	0.19	20.0000	ND	105	70 - 134	12.6	20	
Dichlorodifluoromethane	33.4200	0.50	0.18	20.0000	ND	167	0 - 161	7.18	20	M2
Ethylbenzene	23.2300	0.50	0.13	20.0000	ND	116	89 - 134	3.97	20	
Hexachlorobutadiene	24.8700	0.50	0.15	20.0000	ND	124	73 - 137	4.13	20	
Isopropylbenzene	22.5500	0.50	0.10	20.0000	ND	113	72 - 152	7.68	20	
m,p-Xylene	46.2800	1.0	0.19	40.0000	ND	116	82 - 141	0.173	20	
Methylene chloride	20.4100	1.0	0.71	20.0000	ND	102	74 - 133	10.2	20	
n-Butylbenzene	24.3100	0.50	0.11	20.0000	ND	122	65 - 164	0.982	20	
n-Propylbenzene	23.4400	0.50	0.10	20.0000	ND	117	73 - 161	6.12	20	
Naphthalene	19.1100	0.50	0.41	20.0000	ND	95.6	59 - 105	12.1	20	
o-Xylene	23.4600	0.50	0.13	20.0000	ND	117	90 - 134	1.06	20	
sec-Butylbenzene	25.2900	0.50	0.09	20.0000	ND	126	80 - 157	4.90	20	
Styrene	14.5000	0.50	0.13	20.0000	ND	72.5	0 - 222	39.1	20	R
tert-Butylbenzene	23.9900	0.50	0.09	20.0000	ND	120	88 - 141	5.98	20	
Tetrachloroethene	23.2800	0.50	0.10	20.0000	ND	116	75 - 136	7.24	20	
Toluene	22.1000	0.50	0.12	20.0000	ND	110	82 - 132	5.67	20	
trans-1,2-Dichloroethene	22.3600	0.50	0.09	20.0000	ND	112	65 - 135	4.76	20	
Trichloroethene	23.1000	0.50	0.10	20.0000	ND	116	75 - 128	7.22	20	
Trichlorofluoromethane	22.9200	0.50	0.23	20.0000	0.280000	113	89 - 143	15.1	20	
Vinyl chloride	23.4900	0.50	0.13	20.0000	ND	117	50 - 148	12.8	20	
Surrogate: 1,2-Dichloroethane-d4	*23.29*			*25.0000*		*93.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.18*			*25.0000*		*105*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.74*			*25.0000*		*95.0*	*78 - 129*			
Surrogate: Toluene-d8	*25.30*			*25.0000*		*101*	*84 - 117*			

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 : 12/21/2020

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 B0L0078 - MSSEMI_W										
Blank (B0L0078-BLK1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*60.68*			*100.000*		*60.7*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*70.27*			*100.000*		*70.3*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*76.27*			*100.000*		*76.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*73.08*			*100.000*		*73.1*	*13 - 150*			
LCS (B0L0078-BS1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,4-Dioxane	105.450	2.0	0.84	100.000		105	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*57.28*			*100.000*		*57.3*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*72.09*			*100.000*		*72.1*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*84.69*			*100.000*		*84.7*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*74.69*			*100.000*		*74.7*	*13 - 150*			
LCS Dup (B0L0078-BSD1)					Prepared: 12/4/2020 Analyzed: 12/4/2020					
1,4-Dioxane	106.480	2.0	0.84	100.000		106	75 - 155	0.972	20	
Surrogate: 1,2-Dichlorobenzene-d	*56.67*			*100.000*		*56.7*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*73.50*			*100.000*		*73.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*80.08*			*100.000*		*80.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*77.36*			*100.000*		*77.4*	*13 - 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 : 12/21/2020

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 B0L0083 - MSSEMI_W										
Blank (B0L0083-BLK1)					Prepared: 12/4/2020 Analyzed: 12/7/2020					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.8953*			*2.00000*		*44.8*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.258*			*2.00000*		*62.9*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*1.525*			*2.00000*		*76.2*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*1.190*			*2.00000*		*59.5*	*15 - 121*			
LCS (B0L0083-BS1)					Prepared: 12/4/2020 Analyzed: 12/7/2020					
1,4-Dioxane	1.01345	0.20	0.05	1.00000		101	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.6046*			*1.00000*		*60.5*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9670*			*1.00000*		*96.7*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9446*			*1.00000*		*94.5*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.8045*			*1.00000*		*80.5*	*15 - 121*			
LCS Dup (B0L0083-BSD1)					Prepared: 12/4/2020 Analyzed: 12/7/2020					
1,4-Dioxane	1.03796	0.20	0.05	1.00000		104	75 - 155	2.39	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.6012*			*1.00000*		*60.1*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9680*			*1.00000*		*96.8*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9410*			*1.00000*		*94.1*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.8083*			*1.00000*		*80.8*	*15 - 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 :	12/21/2020

Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
M7	Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L3	Laboratory control sample outside in-house established limits but within method criteria.
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

7002629

Date: 12/3/2020
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

3.2 C

Sampled By: Ruben Sanchez

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	Expected Concentration Range (ppb) for VOAs: 10 - 100	Expected Concentration Range (ppb) for VOAs: 100 - 1,000	Expected Concentration Range (ppb) for VOAs: >1,000		SPECIAL HANDLING: 24 hr TAT	SPECIAL HANDLING: 48 Hour TAT	SPECIAL HANDLING: 5 Day TAT	SPECIAL HANDLING: Level IV Data Validation Requested	SPECIAL HANDLING: MS/MSD Requested	REMARKS
01	TB-120320	12/3/2020	8:00		X	X				X	2						X									X						X			
02	CEFF	12/3/2020	10:20	X		X				X	3					1	X								X	X						X			
03	CBT	12/3/2020	10:30	X		X				X	3					1	X								X	X						X			
04	POX	12/3/2020	10:50	X		X			X	X	5	1	1			1	X	X		X	X				X	X						X			
05	PF	12/3/2020	11:15	X					X	X	2		1	1	1					X	X	X	X									X			
06	INF	12/3/2020	11:45	X		X				X	3	2				1	X	X	X					X				X				X			
07	EW-02	12/3/2020	12:25	X		X				X	3	1				1	X		X					X			X					X			
08	MW-29	12/3/2020	12:55	X		X				X	3	1				1	X		X					X				X				X			
09																																			
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
HHA	12-3-20 1345	HHA	12-3-2020 13:45
HHA	12-3-2020 15:10		12/3/20 15:10

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

_____ Temperature on receipt

Laboratory

Advanced Technology Laboratories
Attn: Tina Nguyen
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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.

element

9240 Santa Fe Springs Road
Santa Fe Springs, CA
90670 USA

P: 1 562 948 2225
F: 1 562 948 5850
info.santafesprings@element.com
element.com

Laboratory Report

December 18, 2020

Advanced Technology Laboratories
PO Box 92797
Long Beach, CA 90809-2797

Attn: Tina Nguyen

Element Job No:	243850
Purchase Order:	COD
Project Name:	2002629 / Groundwater
Samples Received:	2
Date Received:	12-04-2020

Analysis	Page
Bromate by SOP 5600, Rev 4	2

Michael Shelton
Technical Director

Cathy Moore Ph.D
Principal 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.
The results given in this report apply only to the sample(s) provided and as received.

Bromate by SOP 5600, Rev. 4
Ion Chromatography-Tandem Mass Spectrometry

Sample preparation: An aliquot of sample was spiked with internal standard (bromate-$^{18}O_3$), and diluted with water. The sample solutions were analyzed using IC-MS/MS.

Parts Per Billion (µg/L)

Sample ID	Result
ATL Lab#: 2002629-04 / POX	ND
ATL Lab#: 2002629-06 / INF	ND
Method Blank	ND
Detection Limit	0.5

Date Analyzed: 12-09-2020

Quality Control Summary

Sample ID: ATL Lab#: 2002629-06 / INF

Analyte	Sample Result	Spike Conc	Spike Result	Spike % Rec	Spike Duplicate	Duplicate % Rec	RPD
Bromate	ND	5.00	5.05	101	5.06	101	1
QC Guidelines				80-120		80-120	NMT 15

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The results given in this report apply only to the sample(s) provided and as received.

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2002629

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Tina Nguyen
(Tina.Nguyen@atlglobal.com)
Sampler: Ruben Sanchez

RECEIVING LABORATORY:

Element Materials Technology
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Phone :(562) 948-2225
Fax: (562) 948-5850
PO#: SC14955-STANDARD TAT

IMPORTANT : Please include Work Order # and PO # in your invoice.

QC Requirements:

- ☑ Routine
- ☐ Caltrans
- ☐ Legal
- ☐ RWQCB
- ☐ Level IV*
- ☐ Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

EDD Requirements:

- ☐ Standard Excel
- ☐ Geotracker EDF
- ☐ Other:

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 2002629-04 (5) / POX		**Groundwater**	**12/03/20 10:50**	
Bromate_ICMS/MS_SUB	**12/09/20 17:00**	12/31/20 10:50		
[Bromate by IC-MS/MS]				
1- 125ml Poly Unpres				
ATL Lab#: 2002629-06 (5) / INF		**Groundwater**	**12/03/20 11:45**	
Bromate_ICMS/MS_SUB	**12/09/20 17:00**	12/31/20 11:45		
[Bromate by IC-MS/MS]				
1-Poly Unpres - 125mL				

12.04.2020 cf: (5) Also has: D

243850

Approved by: _____ 12/4/20
ATL Project Manager Date

Released By ATL Sample Control	Date	Cooler Temp, degC	Therm ID
12/4/20 3.7°C SCIRTII			

Received By Courier	Date	Cooler Temp, degC	Therm ID
Max Rothrock 12/4/20 3.7°C SCIRTII			

Released By Courier	Date	Cooler Temp, degC	Therm ID
Max Rothrock	12/4/20	3.6°C	289

Received By Subcontract Laboratory	Date	Cooler Temp, degC	Therm ID
Element		3.6	289

Released By	Date	Cooler Temp, degC	Therm ID

Received By	Date	Cooler Temp, degC	Therm ID

December 24, 2020

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

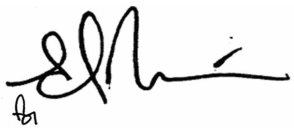
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2002739
Client Reference : Raytheon Main GETS Mid Month Sample 532.15

Enclosed are the results for sample(s) received on December 17, 2020 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,



Edgar P. Caballero
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 : 12/24/2020

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-121720	2002739-01	Lab Prepared Water	12/17/20 8:00	12/17/20 13:55
CEFF	2002739-02	Groundwater	12/17/20 9:05	12/17/20 13:55
CBT	2002739-03	Groundwater	12/17/20 9:10	12/17/20 13:55
POX	2002739-04	Groundwater	12/17/20 9:15	12/17/20 13:55
INF	2002739-05	Groundwater	12/17/20 9:30	12/17/20 13:55
EW-02	2002739-06	Groundwater	12/17/20 10:35	12/17/20 13:55
MW-29	2002739-07	Groundwater	12/17/20 10:50	12/17/20 13:55

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 : 12/24/2020

Client Sample ID: TB-121720

Lab ID: 2002739-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,1,1-Trichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,1,2-Trichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,1-Dichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,1-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,1-Dichloropropene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2,3-Trichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2-Dibromoethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2-Dichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,2-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,3-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,3-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
1,4-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
2,2-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
2-Chlorotoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
4-Chlorotoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
4-Isopropyltoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Benzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Bromobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Bromodichloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Bromoform	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Bromomethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Carbon tetrachloride	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Chlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Chloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Chloroform	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Chloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Dibromochloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	

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 : 12/24/2020

Client Sample ID: TB-121720

Lab ID: 2002739-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Dichlorodifluoromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Ethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Hexachlorobutadiene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Isopropylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
m,p-Xylene	ND	1.0	1	B0L0365	12/21/2020	12/21/20 12:11	
Methylene chloride	ND	1.0	1	B0L0365	12/21/2020	12/21/20 12:11	
n-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
n-Propylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Naphthalene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
o-Xylene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
sec-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Styrene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
tert-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Tetrachloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Toluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Trichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Trichlorofluoromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Vinyl chloride	ND	0.50	1	B0L0365	12/21/2020	12/21/20 12:11	
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*64 - 155*		B0L0365	12/21/2020	*12/21/20 12:11*	
Surrogate: 4-Bromofluorobenzene	*94.3 %*	*73 - 124*		B0L0365	12/21/2020	*12/21/20 12:11*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*		B0L0365	12/21/2020	*12/21/20 12:11*	
Surrogate: Toluene-d8	*97.9 %*	*84 - 117*		B0L0365	12/21/2020	*12/21/20 12:11*	

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 : 12/24/2020

Client Sample ID: CEFF

Lab ID: 2002739-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,1,1-Trichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,1,2-Trichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,1-Dichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,1-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,1-Dichloropropene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2,3-Trichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2-Dibromoethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2-Dichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,2-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,3-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,3-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
1,4-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
2,2-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
2-Chlorotoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
4-Chlorotoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
4-Isopropyltoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Benzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Bromobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Bromodichloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Bromoform	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Bromomethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Carbon tetrachloride	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Chlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Chloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Chloroform	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Chloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Dibromochloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	

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 : 12/24/2020

Client Sample ID: CEFF

Lab ID: 2002739-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Dichlorodifluoromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Ethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Hexachlorobutadiene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Isopropylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
m,p-Xylene	ND	1.0	1	B0L0365	12/21/2020	12/21/20 18:54	
Methylene chloride	ND	1.0	1	B0L0365	12/21/2020	12/21/20 18:54	
n-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
n-Propylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Naphthalene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
o-Xylene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
sec-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Styrene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
tert-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Tetrachloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Toluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Trichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Trichlorofluoromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Vinyl chloride	ND	0.50	1	B0L0365	12/21/2020	12/21/20 18:54	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*64 - 155*		B0L0365	12/21/2020	*12/21/20 18:54*	
Surrogate: 4-Bromofluorobenzene	*94.1 %*	*73 - 124*		B0L0365	12/21/2020	*12/21/20 18:54*	
Surrogate: Dibromofluoromethane	*105 %*	*78 - 129*		B0L0365	12/21/2020	*12/21/20 18:54*	
Surrogate: Toluene-d8	*96.8 %*	*84 - 117*		B0L0365	12/21/2020	*12/21/20 18:54*	

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 : 12/24/2020

Client Sample ID: CEFF

Lab ID: 2002739-02

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	B0L0376	12/21/2020	12/21/20 17:31	
Surrogate: 1,2-Dichlorobenzene-d4	*66.5 %*		*13 - 99*		B0L0376	12/21/2020	*12/21/20 17:31*	
Surrogate: 2-Fluorobiphenyl	*96.5 %*		*8 - 111*		B0L0376	12/21/2020	*12/21/20 17:31*	
Surrogate: 4-Terphenyl-d14	*85.9 %*		*12 - 113*		B0L0376	12/21/2020	*12/21/20 17:31*	
Surrogate: Nitrobenzene-d5	*91.1 %*		*15 - 121*		B0L0376	12/21/2020	*12/21/20 17:31*	

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 : 12/24/2020

Client Sample ID: CBT

Lab ID: 2002739-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,1,1-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,1,2-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,1-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,1-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,1-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2,3-Trichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2-Dibromoethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,3-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,3-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
1,4-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
2,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
2-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
4-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
4-Isopropyltoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Benzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Bromobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Bromodichloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Bromoform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Bromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Carbon tetrachloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Chlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Chloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Chloroform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Chloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Dibromochloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	

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 : 12/24/2020

Client Sample ID: CBT

Lab ID: 2002739-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Dichlorodifluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Ethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Hexachlorobutadiene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Isopropylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
m,p-Xylene	ND	1.0	1	B0L0385	12/22/2020	12/22/20 12:57	
Methylene chloride	ND	1.0	1	B0L0385	12/22/2020	12/22/20 12:57	
n-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
n-Propylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Naphthalene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
o-Xylene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
sec-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Styrene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
tert-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Tetrachloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Toluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Trichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Trichlorofluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Vinyl chloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 12:57	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*64 - 155*		B0L0385	12/22/2020	*12/22/20 12:57*	
Surrogate: 4-Bromofluorobenzene	*94.0 %*	*73 - 124*		B0L0385	12/22/2020	*12/22/20 12:57*	
Surrogate: Dibromofluoromethane	*99.1 %*	*78 - 129*		B0L0385	12/22/2020	*12/22/20 12:57*	
Surrogate: Toluene-d8	*98.9 %*	*84 - 117*		B0L0385	12/22/2020	*12/22/20 12:57*	

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 : 12/24/2020

Client Sample ID: CBT

Lab ID: 2002739-03

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	B0L0376	12/21/2020	12/21/20 17:57	
Surrogate: 1,2-Dichlorobenzene-d4	*66.6 %*		*13 - 99*		B0L0376	12/21/2020	*12/21/20 17:57*	
Surrogate: 2-Fluorobiphenyl	*101 %*		*8 - 111*		B0L0376	12/21/2020	*12/21/20 17:57*	
Surrogate: 4-Terphenyl-d14	*86.3 %*		*12 - 113*		B0L0376	12/21/2020	*12/21/20 17:57*	
Surrogate: Nitrobenzene-d5	*92.8 %*		*15 - 121*		B0L0376	12/21/2020	*12/21/20 17:57*	

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 : 12/24/2020

Client Sample ID: POX

Lab ID: 2002739-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,1,1-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,1,2-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,1-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,1-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,1-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2,3-Trichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2-Dibromoethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,3-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,3-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
1,4-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
2,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
2-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
4-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
4-Isopropyltoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Benzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Bromobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Bromodichloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Bromoform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Bromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Carbon tetrachloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Chlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Chloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Chloroform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Chloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Dibromochloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	

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 : 12/24/2020

Client Sample ID: POX

Lab ID: 2002739-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Dichlorodifluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Ethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Hexachlorobutadiene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Isopropylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
m,p-Xylene	ND	1.0	1	B0L0385	12/22/2020	12/22/20 13:17	
Methylene chloride	ND	1.0	1	B0L0385	12/22/2020	12/22/20 13:17	
n-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
n-Propylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Naphthalene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
o-Xylene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
sec-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Styrene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
tert-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Tetrachloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Toluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Trichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Trichlorofluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Vinyl chloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:17	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*64 - 155*		B0L0385	12/22/2020	*12/22/20 13:17*	
Surrogate: 4-Bromofluorobenzene	*92.6 %*	*73 - 124*		B0L0385	12/22/2020	*12/22/20 13:17*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*		B0L0385	12/22/2020	*12/22/20 13:17*	
Surrogate: Toluene-d8	*97.0 %*	*84 - 117*		B0L0385	12/22/2020	*12/22/20 13:17*	

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 : 12/24/2020

Client Sample ID: POX

Lab ID: 2002739-04

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	B0L0376	12/21/2020	12/21/20 18:23	
Surrogate: 1,2-Dichlorobenzene-d4	*62.9 %*		*13 - 99*		B0L0376	12/21/2020	*12/21/20 18:23*	
Surrogate: 2-Fluorobiphenyl	*94.2 %*		*8 - 111*		B0L0376	12/21/2020	*12/21/20 18:23*	
Surrogate: 4-Terphenyl-d14	*86.0 %*		*12 - 113*		B0L0376	12/21/2020	*12/21/20 18:23*	
Surrogate: Nitrobenzene-d5	*86.1 %*		*15 - 121*		B0L0376	12/21/2020	*12/21/20 18:23*	

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 : 12/24/2020

Client Sample ID: INF

Lab ID: 2002739-05

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,1,1-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,1,2-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,1-Dichloroethane	**0.50**	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,1-Dichloroethene	**52**	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,1-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2,3-Trichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2-Dibromoethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,3-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,3-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
1,4-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
2,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
2-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
4-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
4-Isopropyltoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Benzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Bromobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Bromodichloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Bromoform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Bromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Carbon tetrachloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Chlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Chloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Chloroform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Chloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Dibromochloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	

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 : 12/24/2020

Client Sample ID: INF

Lab ID: 2002739-05

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Dichlorodifluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Ethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Hexachlorobutadiene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Isopropylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
m,p-Xylene	ND	1.0	1	B0L0385	12/22/2020	12/22/20 13:37	
Methylene chloride	ND	1.0	1	B0L0385	12/22/2020	12/22/20 13:37	
n-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
n-Propylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Naphthalene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
o-Xylene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
sec-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Styrene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
tert-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Tetrachloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Toluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Trichloroethene	**0.58**	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Trichlorofluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Vinyl chloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:37	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*64 - 155*		B0L0385	12/22/2020	*12/22/20 13:37*	
Surrogate: 4-Bromofluorobenzene	*93.7 %*	*73 - 124*		B0L0385	12/22/2020	*12/22/20 13:37*	
Surrogate: Dibromofluoromethane	*104 %*	*78 - 129*		B0L0385	12/22/2020	*12/22/20 13:37*	
Surrogate: Toluene-d8	*98.6 %*	*84 - 117*		B0L0385	12/22/2020	*12/22/20 13:37*	

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 : 12/24/2020

Client Sample ID: INF

Lab ID: 2002739-05

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		**40**	2.0	1	B0L0377	12/21/2020	12/21/20 18:01	
Surrogate: 1,2-Dichlorobenzene-d4	*55.6 %*		*17 - 119*		B0L0377	12/21/2020	*12/21/20 18:01*	
Surrogate: 2-Fluorobiphenyl	*61.2 %*		*10 - 133*		B0L0377	12/21/2020	*12/21/20 18:01*	
Surrogate: 4-Terphenyl-d14	*113 %*		*5 - 139*		B0L0377	12/21/2020	*12/21/20 18:01*	
Surrogate: Nitrobenzene-d5	*41.7 %*		*13 - 150*		B0L0377	12/21/2020	*12/21/20 18:01*	

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 : 12/24/2020

Client Sample ID: EW-02

Lab ID: 2002739-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,1,1-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,1,2-Trichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,1-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,1-Dichloroethene	**15**	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,1-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2,3-Trichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2-Dibromoethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2-Dichloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,3-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,3-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
1,4-Dichlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
2,2-Dichloropropane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
2-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
4-Chlorotoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
4-Isopropyltoluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Benzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Bromobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Bromodichloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Bromoform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Bromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Carbon tetrachloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Chlorobenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Chloroethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Chloroform	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Chloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Dibromochloromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	

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 : 12/24/2020

Client Sample ID: EW-02

Lab ID: 2002739-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Dichlorodifluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Ethylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Hexachlorobutadiene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Isopropylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
m,p-Xylene	ND	1.0	1	B0L0385	12/22/2020	12/22/20 13:58	
Methylene chloride	ND	1.0	1	B0L0385	12/22/2020	12/22/20 13:58	
n-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
n-Propylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Naphthalene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
o-Xylene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
sec-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Styrene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
tert-Butylbenzene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Tetrachloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Toluene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Trichloroethene	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Trichlorofluoromethane	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Vinyl chloride	ND	0.50	1	B0L0385	12/22/2020	12/22/20 13:58	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*64 - 155*		B0L0385	12/22/2020	*12/22/20 13:58*	
Surrogate: 4-Bromofluorobenzene	*92.7 %*	*73 - 124*		B0L0385	12/22/2020	*12/22/20 13:58*	
Surrogate: Dibromofluoromethane	*101 %*	*78 - 129*		B0L0385	12/22/2020	*12/22/20 13:58*	
Surrogate: Toluene-d8	*98.3 %*	*84 - 117*		B0L0385	12/22/2020	*12/22/20 13:58*	

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 : 12/24/2020

Client Sample ID: EW-02

Lab ID: 2002739-06

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	B0L0377	12/21/2020	12/21/20 18:27	
Surrogate: 1,2-Dichlorobenzene-d4	*64.3 %*		*17 - 119*		B0L0377	12/21/2020	*12/21/20 18:27*	
Surrogate: 2-Fluorobiphenyl	*70.9 %*		*10 - 133*		B0L0377	12/21/2020	*12/21/20 18:27*	
Surrogate: 4-Terphenyl-d14	*127 %*		*5 - 139*		B0L0377	12/21/2020	*12/21/20 18:27*	
Surrogate: Nitrobenzene-d5	*47.9 %*		*13 - 150*		B0L0377	12/21/2020	*12/21/20 18:27*	

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 : 12/24/2020

Client Sample ID: MW-29

Lab ID: 2002739-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,1,1-Trichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,1,2-Trichloroethane	**0.60**	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,1-Dichloroethane	**1.4**	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,1-Dichloroethene	**140**	2.5	5	B0L0365	12/21/2020	12/21/20 19:34	
1,1-Dichloropropene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2,3-Trichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2,3-Trichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2,4-Trichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2,4-Trimethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2-Dibromoethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2-Dichloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,2-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,3,5-Trimethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,3-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,3-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
1,4-Dichlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
2,2-Dichloropropane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
2-Chlorotoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
4-Chlorotoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
4-Isopropyltoluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Benzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Bromobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Bromodichloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Bromoform	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Bromomethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Carbon tetrachloride	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Chlorobenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Chloroethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Chloroform	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Chloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
cis-1,2-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
cis-1,3-Dichloropropene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Dibromochloromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	

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 : 12/24/2020

Client Sample ID: MW-29

Lab ID: 2002739-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Dichlorodifluoromethane	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Ethylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Hexachlorobutadiene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Isopropylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
m,p-Xylene	ND	1.0	1	B0L0365	12/21/2020	12/21/20 19:14	
Methylene chloride	ND	1.0	1	B0L0365	12/21/2020	12/21/20 19:14	
n-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
n-Propylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Naphthalene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
o-Xylene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
sec-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Styrene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
tert-Butylbenzene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Tetrachloroethene	**0.55**	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Toluene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
trans-1,2-Dichloroethene	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Trichloroethene	**2.0**	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Trichlorofluoromethane	**0.72**	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Vinyl chloride	ND	0.50	1	B0L0365	12/21/2020	12/21/20 19:14	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*64 - 155*		B0L0365	12/21/2020	*12/21/20 19:34*	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*64 - 155*		B0L0365	12/21/2020	*12/21/20 19:14*	
Surrogate: 4-Bromofluorobenzene	*91.2 %*	*73 - 124*		B0L0365	12/21/2020	*12/21/20 19:34*	
Surrogate: 4-Bromofluorobenzene	*98.5 %*	*73 - 124*		B0L0365	12/21/2020	*12/21/20 19:14*	
Surrogate: Dibromofluoromethane	*102 %*	*78 - 129*		B0L0365	12/21/2020	*12/21/20 19:34*	
Surrogate: Dibromofluoromethane	*103 %*	*78 - 129*		B0L0365	12/21/2020	*12/21/20 19:14*	
Surrogate: Toluene-d8	*98.2 %*	*84 - 117*		B0L0365	12/21/2020	*12/21/20 19:34*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*		B0L0365	12/21/2020	*12/21/20 19:14*	

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 : 12/24/2020

Client Sample ID: MW-29

Lab ID: 2002739-07

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		**96**	2.0	1	B0L0377	12/21/2020	12/21/20 18:53	
Surrogate: 1,2-Dichlorobenzene-d4	*56.6 %*		*17 - 119*		B0L0377	12/21/2020	*12/21/20 18:53*	
Surrogate: 2-Fluorobiphenyl	*63.3 %*		*10 - 133*		B0L0377	12/21/2020	*12/21/20 18:53*	
Surrogate: 4-Terphenyl-d14	*116 %*		*5 - 139*		B0L0377	12/21/2020	*12/21/20 18:53*	
Surrogate: Nitrobenzene-d5	*42.3 %*		*13 - 150*		B0L0377	12/21/2020	*12/21/20 18:53*	

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 : 12/24/2020

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 B0L0365 - MSVOA_LL_W										
Blank (B0L0365-BLK1)					Prepared: 12/21/2020 Analyzed: 12/21/2020					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

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 : 12/24/2020

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 B0L0365 - MSVOA_LL_W (continued)										
Blank (B0L0365-BLK1) - Continued					Prepared: 12/21/2020 Analyzed: 12/21/2020					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*26.38*			*25.0000*		*106*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.08*			*25.0000*		*100*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.01*			*25.0000*		*104*	*78 - 129*			
Surrogate: Toluene-d8	*24.63*			*25.0000*		*98.5*	*84 - 117*			
LCS (B0L0365-BS1)					Prepared: 12/21/2020 Analyzed: 12/21/2020					
1,1,1,2-Tetrachloroethane	20.0300	0.50	0.11	20.0000		100	79 - 116			
1,1,1-Trichloroethane	20.4800	0.50	0.21	20.0000		102	73 - 130			
1,1,2,2-Tetrachloroethane	19.4100	0.50	0.36	20.0000		97.0	71 - 122			
1,1,2-Trichloroethane	19.8600	0.50	0.25	20.0000		99.3	70 - 124			
1,1-Dichloroethane	19.6600	0.50	0.09	20.0000		98.3	69 - 128			
1,1-Dichloroethene	20.0000	0.50	0.13	20.0000		100	65 - 137			
1,1-Dichloropropene	18.7800	0.50	0.13	20.0000		93.9	74 - 129			
1,2,3-Trichloropropane	19.9700	0.50	0.39	20.0000		99.8	74 - 123			
1,2,3-Trichlorobenzene	19.1900	0.50	0.18	20.0000		96.0	59 - 130			
1,2,4-Trichlorobenzene	18.7100	0.50	0.16	20.0000		93.6	65 - 125			
1,2,4-Trimethylbenzene	19.0700	0.50	0.14	20.0000		95.4	88 - 124			
1,2-Dibromo-3-chloropropane	20.9700	0.50	0.41	20.0000		105	61 - 127			
1,2-Dibromoethane	19.2900	0.50	0.24	20.0000		96.4	72 - 125			
1,2-Dichlorobenzene	18.2900	0.50	0.20	20.0000		91.4	84 - 113			
1,2-Dichloroethane	19.9200	0.50	0.20	20.0000		99.6	68 - 130			
1,2-Dichloropropane	19.1000	0.50	0.15	20.0000		95.5	77 - 121			
1,3,5-Trimethylbenzene	21.2000	0.50	0.13	20.0000		106	83 - 124			

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 : 12/24/2020

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 B0L0365 - MSVOA_LL_W (continued)										
LCS (B0L0365-BS1) - Continued					Prepared: 12/21/2020 Analyzed: 12/21/2020					
1,3-Dichlorobenzene	19.3100	0.50	0.16	20.0000		96.6	83 - 112			
1,3-Dichloropropane	19.5500	0.50	0.21	20.0000		97.8	77 - 119			
1,4-Dichlorobenzene	18.1200	0.50	0.17	20.0000		90.6	79 - 115			
2,2-Dichloropropane	21.2900	0.50	0.38	20.0000		106	67 - 149			
2-Chlorotoluene	19.4100	0.50	0.11	20.0000		97.0	81 - 119			
4-Chlorotoluene	19.8100	0.50	0.12	20.0000		99.0	86 - 117			
4-Isopropyltoluene	21.6600	0.50	0.11	20.0000		108	82 - 131			
Benzene	19.7700	0.50	0.13	20.0000		98.8	75 - 124			
Bromobenzene	19.5300	0.50	0.21	20.0000		97.6	82 - 108			
Bromodichloromethane	18.9400	0.50	0.14	20.0000		94.7	80 - 120			
Bromoform	18.7000	0.50	0.20	20.0000		93.5	70 - 123			
Bromomethane	17.4000	0.50	0.40	20.0000		87.0	44 - 151			
Carbon tetrachloride	20.6300	0.50	0.09	20.0000		103	62 - 140			
Chlorobenzene	19.2100	0.50	0.13	20.0000		96.0	80 - 112			
Chloroethane	17.5100	0.50	0.15	20.0000		87.6	42 - 167			
Chloroform	18.4700	0.50	0.11	20.0000		92.4	77 - 122			
Chloromethane	18.6600	0.50	0.12	20.0000		93.3	33 - 153			
cis-1,2-Dichloroethene	19.3200	0.50	0.14	20.0000		96.6	75 - 121			
cis-1,3-Dichloropropene	19.7700	0.50	0.13	20.0000		98.8	73 - 127			
Dibromochloromethane	18.4600	0.50	0.16	20.0000		92.3	77 - 122			
Dibromomethane	19.0200	0.50	0.19	20.0000		95.1	75 - 121			
Dichlorodifluoromethane	18.3300	0.50	0.18	20.0000		91.6	0 - 171			
Ethylbenzene	20.1200	0.50	0.13	20.0000		101	82 - 119			
Hexachlorobutadiene	20.6700	0.50	0.15	20.0000		103	71 - 131			
Isopropylbenzene	20.5500	0.50	0.10	20.0000		103	75 - 126			
m,p-Xylene	40.5200	1.0	0.19	40.0000		101	86 - 119			
Methylene chloride	19.9100	1.0	0.71	20.0000		99.6	76 - 125			
n-Butylbenzene	20.9900	0.50	0.11	20.0000		105	81 - 125			
n-Propylbenzene	20.6600	0.50	0.10	20.0000		103	78 - 130			
Naphthalene	19.8400	0.50	0.41	20.0000		99.2	47 - 128			
o-Xylene	20.1100	0.50	0.13	20.0000		101	85 - 119			
sec-Butylbenzene	21.0000	0.50	0.09	20.0000		105	78 - 130			
Styrene	20.9400	0.50	0.13	20.0000		105	62 - 148			
tert-Butylbenzene	20.2800	0.50	0.09	20.0000		101	77 - 125			
Tetrachloroethene	19.5500	0.50	0.10	20.0000		97.8	73 - 120			
Toluene	19.4500	0.50	0.12	20.0000		97.2	79 - 119			
trans-1,2-Dichloroethene	20.1300	0.50	0.09	20.0000		101	70 - 129			
Trichloroethene	19.9000	0.50	0.10	20.0000		99.5	73 - 117			
Trichlorofluoromethane	19.3700	0.50	0.23	20.0000		96.8	59 - 135			
Vinyl chloride	15.9000	0.50	0.13	20.0000		79.5	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*25.88*			*25.0000*		*104*	*64 - 155*			

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 : 12/24/2020

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 B0L0365 - MSVOA_LL_W (continued)										
LCS (B0L0365-BS1) - Continued						Prepared: 12/21/2020 Analyzed: 12/21/2020				
Surrogate: 4-Bromofluorobenzene	*26.10*			*25.0000*		*104*	*73 - 124*			
Surrogate: Dibromofluoromethan	*24.82*			*25.0000*		*99.3*	*78 - 129*			
Surrogate: Toluene-d8	*24.70*			*25.0000*		*98.8*	*84 - 117*			
LCS Dup (B0L0365-BSD1)						Prepared: 12/21/2020 Analyzed: 12/21/2020				
1,1,1,2-Tetrachloroethane	20.1200	0.50	0.11	20.0000		101	79 - 116	0.448	20	
1,1,1-Trichloroethane	19.6300	0.50	0.21	20.0000		98.2	73 - 130	4.24	20	
1,1,2,2-Tetrachloroethane	19.2600	0.50	0.36	20.0000		96.3	71 - 122	0.776	20	
1,1,2-Trichloroethane	19.7800	0.50	0.25	20.0000		98.9	70 - 124	0.404	20	
1,1-Dichloroethane	19.0300	0.50	0.09	20.0000		95.2	69 - 128	3.26	20	
1,1-Dichloroethene	20.1500	0.50	0.13	20.0000		101	65 - 137	0.747	20	
1,1-Dichloropropene	18.6100	0.50	0.13	20.0000		93.0	74 - 129	0.909	20	
1,2,3-Trichloropropane	19.5000	0.50	0.39	20.0000		97.5	74 - 123	2.38	20	
1,2,3-Trichlorobenzene	19.3500	0.50	0.18	20.0000		96.8	59 - 130	0.830	20	
1,2,4-Trichlorobenzene	18.0300	0.50	0.16	20.0000		90.2	65 - 125	3.70	20	
1,2,4-Trimethylbenzene	18.8700	0.50	0.14	20.0000		94.4	88 - 124	1.05	20	
1,2-Dibromo-3-chloropropane	21.2200	0.50	0.41	20.0000		106	61 - 127	1.19	20	
1,2-Dibromoethane	19.4000	0.50	0.24	20.0000		97.0	72 - 125	0.569	20	
1,2-Dichlorobenzene	17.7800	0.50	0.20	20.0000		88.9	84 - 113	2.83	20	
1,2-Dichloroethane	19.9000	0.50	0.20	20.0000		99.5	68 - 130	0.100	20	
1,2-Dichloropropane	19.6100	0.50	0.15	20.0000		98.0	77 - 121	2.63	20	
1,3,5-Trimethylbenzene	19.1900	0.50	0.13	20.0000		96.0	83 - 124	9.95	20	
1,3-Dichlorobenzene	17.9600	0.50	0.16	20.0000		89.8	83 - 112	7.24	20	
1,3-Dichloropropane	20.2800	0.50	0.21	20.0000		101	77 - 119	3.67	20	
1,4-Dichlorobenzene	17.6300	0.50	0.17	20.0000		88.2	79 - 115	2.74	20	
2,2-Dichloropropane	19.9500	0.50	0.38	20.0000		99.8	67 - 149	6.50	20	
2-Chlorotoluene	18.7600	0.50	0.11	20.0000		93.8	81 - 119	3.41	20	
4-Chlorotoluene	18.3800	0.50	0.12	20.0000		91.9	86 - 117	7.49	20	
4-Isopropyltoluene	20.8100	0.50	0.11	20.0000		104	82 - 131	4.00	20	
Benzene	19.0800	0.50	0.13	20.0000		95.4	75 - 124	3.55	20	
Bromobenzene	18.1100	0.50	0.21	20.0000		90.6	82 - 108	7.55	20	
Bromodichloromethane	19.2400	0.50	0.14	20.0000		96.2	80 - 120	1.57	20	
Bromoform	18.7400	0.50	0.20	20.0000		93.7	70 - 123	0.214	20	
Bromomethane	16.0300	0.50	0.40	20.0000		80.2	44 - 151	8.20	20	
Carbon tetrachloride	20.1700	0.50	0.09	20.0000		101	62 - 140	2.25	20	
Chlorobenzene	19.0800	0.50	0.13	20.0000		95.4	80 - 112	0.679	20	
Chloroethane	16.5200	0.50	0.15	20.0000		82.6	42 - 167	5.82	20	
Chloroform	18.0900	0.50	0.11	20.0000		90.4	77 - 122	2.08	20	
Chloromethane	17.0200	0.50	0.12	20.0000		85.1	33 - 153	9.19	20	
cis-1,2-Dichloroethene	19.8400	0.50	0.14	20.0000		99.2	75 - 121	2.66	20	
cis-1,3-Dichloropropene	20.4400	0.50	0.13	20.0000		102	73 - 127	3.33	20	
Dibromochloromethane	18.0500	0.50	0.16	20.0000		90.2	77 - 122	2.25	20	

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 : 12/24/2020

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 B0L0365 - MSVOA_LL_W (continued)										
LCS Dup (B0L0365-BSD1) - Continued					Prepared: 12/21/2020 Analyzed: 12/21/2020					
Dibromomethane	20.4800	0.50	0.19	20.0000		102	75 - 121	7.39	20	
Dichlorodifluoromethane	17.2700	0.50	0.18	20.0000		86.4	0 - 171	5.96	20	
Ethylbenzene	19.2300	0.50	0.13	20.0000		96.2	82 - 119	4.52	20	
Hexachlorobutadiene	19.4700	0.50	0.15	20.0000		97.4	71 - 131	5.98	20	
Isopropylbenzene	19.3600	0.50	0.10	20.0000		96.8	75 - 126	5.96	20	
m,p-Xylene	39.0600	1.0	0.19	40.0000		97.6	86 - 119	3.67	20	
Methylene chloride	19.3100	1.0	0.71	20.0000		96.6	76 - 125	3.06	20	
n-Butylbenzene	20.1500	0.50	0.11	20.0000		101	81 - 125	4.08	20	
n-Propylbenzene	19.2200	0.50	0.10	20.0000		96.1	78 - 130	7.22	20	
Naphthalene	19.8200	0.50	0.41	20.0000		99.1	47 - 128	0.101	20	
o-Xylene	19.5800	0.50	0.13	20.0000		97.9	85 - 119	2.67	20	
sec-Butylbenzene	19.5600	0.50	0.09	20.0000		97.8	78 - 130	7.10	20	
Styrene	20.5600	0.50	0.13	20.0000		103	62 - 148	1.83	20	
tert-Butylbenzene	19.2200	0.50	0.09	20.0000		96.1	77 - 125	5.37	20	
Tetrachloroethene	19.4300	0.50	0.10	20.0000		97.2	73 - 120	0.616	20	
Toluene	19.1500	0.50	0.12	20.0000		95.8	79 - 119	1.55	20	
trans-1,2-Dichloroethene	19.2500	0.50	0.09	20.0000		96.2	70 - 129	4.47	20	
Trichloroethene	19.5500	0.50	0.10	20.0000		97.8	73 - 117	1.77	20	
Trichlorofluoromethane	17.8600	0.50	0.23	20.0000		89.3	59 - 135	8.11	20	
Vinyl chloride	15.0700	0.50	0.13	20.0000		75.4	58 - 132	5.36	20	
Surrogate: 1,2-Dichloroethane-d4	*26.95*			*25.0000*		*108*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.60*			*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.09*			*25.0000*		*104*	*78 - 129*			
Surrogate: Toluene-d8	*24.47*			*25.0000*		*97.9*	*84 - 117*			

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 : 12/24/2020

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 B0L0385 - MSVOA_LL_W										
Blank (B0L0385-BLK1)							Prepared: 12/22/2020 Analyzed: 12/22/2020			
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

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 : 12/24/2020

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 B0L0385 - MSVOA_LL_W (continued)										
Blank (B0L0385-BLK1) - Continued					Prepared: 12/22/2020 Analyzed: 12/22/2020					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*27.36*			*25.0000*		*109*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*23.63*			*25.0000*		*94.5*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.56*			*25.0000*		*106*	*78 - 129*			
Surrogate: Toluene-d8	*24.34*			*25.0000*		*97.4*	*84 - 117*			
LCS (B0L0385-BS1)					Prepared: 12/22/2020 Analyzed: 12/22/2020					
1,1,1,2-Tetrachloroethane	19.8900	0.50	0.11	20.0000		99.4	79 - 116			
1,1,1-Trichloroethane	21.2100	0.50	0.21	20.0000		106	73 - 130			
1,1,2,2-Tetrachloroethane	20.9600	0.50	0.36	20.0000		105	71 - 122			
1,1,2-Trichloroethane	20.8900	0.50	0.25	20.0000		104	70 - 124			
1,1-Dichloroethane	19.9400	0.50	0.09	20.0000		99.7	69 - 128			
1,1-Dichloroethene	20.7400	0.50	0.13	20.0000		104	65 - 137			
1,1-Dichloropropene	19.6000	0.50	0.13	20.0000		98.0	74 - 129			
1,2,3-Trichloropropane	20.6500	0.50	0.39	20.0000		103	74 - 123			
1,2,3-Trichlorobenzene	19.8700	0.50	0.18	20.0000		99.4	59 - 130			
1,2,4-Trichlorobenzene	19.4200	0.50	0.16	20.0000		97.1	65 - 125			
1,2,4-Trimethylbenzene	20.3900	0.50	0.14	20.0000		102	88 - 124			
1,2-Dibromo-3-chloropropane	25.1500	0.50	0.41	20.0000		126	61 - 127			
1,2-Dibromoethane	20.6000	0.50	0.24	20.0000		103	72 - 125			
1,2-Dichlorobenzene	19.5800	0.50	0.20	20.0000		97.9	84 - 113			
1,2-Dichloroethane	20.7100	0.50	0.20	20.0000		104	68 - 130			
1,2-Dichloropropane	20.6600	0.50	0.15	20.0000		103	77 - 121			
1,3,5-Trimethylbenzene	22.5100	0.50	0.13	20.0000		113	83 - 124			
1,3-Dichlorobenzene	19.6000	0.50	0.16	20.0000		98.0	83 - 112			
1,3-Dichloropropane	20.1400	0.50	0.21	20.0000		101	77 - 119			

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 : 12/24/2020

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 B0L0385 - MSVOA_LL_W (continued)										
LCS (B0L0385-BS1) - Continued					Prepared: 12/22/2020 Analyzed: 12/22/2020					
1,4-Dichlorobenzene	19.4600	0.50	0.17	20.0000		97.3	79 - 115			
2,2-Dichloropropane	22.6300	0.50	0.38	20.0000		113	67 - 149			
2-Chlorotoluene	20.3800	0.50	0.11	20.0000		102	81 - 119			
4-Chlorotoluene	20.8200	0.50	0.12	20.0000		104	86 - 117			
4-Isopropyltoluene	23.0100	0.50	0.11	20.0000		115	82 - 131			
Benzene	20.8600	0.50	0.13	20.0000		104	75 - 124			
Bromobenzene	20.1800	0.50	0.21	20.0000		101	82 - 108			
Bromodichloromethane	20.6700	0.50	0.14	20.0000		103	80 - 120			
Bromoform	18.8100	0.50	0.20	20.0000		94.0	70 - 123			
Bromomethane	18.8500	0.50	0.40	20.0000		94.2	44 - 151			
Carbon tetrachloride	21.4300	0.50	0.09	20.0000		107	62 - 140			
Chlorobenzene	20.3400	0.50	0.13	20.0000		102	80 - 112			
Chloroethane	19.7100	0.50	0.15	20.0000		98.6	42 - 167			
Chloroform	19.4200	0.50	0.11	20.0000		97.1	77 - 122			
Chloromethane	19.9000	0.50	0.12	20.0000		99.5	33 - 153			
cis-1,2-Dichloroethene	20.9600	0.50	0.14	20.0000		105	75 - 121			
cis-1,3-Dichloropropene	19.2300	0.50	0.13	20.0000		96.2	73 - 127			
Dibromochloromethane	18.5800	0.50	0.16	20.0000		92.9	77 - 122			
Dibromomethane	20.3500	0.50	0.19	20.0000		102	75 - 121			
Dichlorodifluoromethane	19.9800	0.50	0.18	20.0000		99.9	0 - 171			
Ethylbenzene	21.7500	0.50	0.13	20.0000		109	82 - 119			
Hexachlorobutadiene	21.1600	0.50	0.15	20.0000		106	71 - 131			
Isopropylbenzene	20.8600	0.50	0.10	20.0000		104	75 - 126			
m,p-Xylene	42.4100	1.0	0.19	40.0000		106	86 - 119			
Methylene chloride	21.6800	1.0	0.71	20.0000		108	76 - 125			
n-Butylbenzene	23.2300	0.50	0.11	20.0000		116	81 - 125			
n-Propylbenzene	21.7300	0.50	0.10	20.0000		109	78 - 130			
Naphthalene	19.8900	0.50	0.41	20.0000		99.4	47 - 128			
o-Xylene	21.4900	0.50	0.13	20.0000		107	85 - 119			
sec-Butylbenzene	22.9300	0.50	0.09	20.0000		115	78 - 130			
Styrene	21.8500	0.50	0.13	20.0000		109	62 - 148			
tert-Butylbenzene	21.6100	0.50	0.09	20.0000		108	77 - 125			
Tetrachloroethene	20.8500	0.50	0.10	20.0000		104	73 - 120			
Toluene	21.0700	0.50	0.12	20.0000		105	79 - 119			
trans-1,2-Dichloroethene	20.7800	0.50	0.09	20.0000		104	70 - 129			
Trichloroethene	20.7700	0.50	0.10	20.0000		104	73 - 117			
Trichlorofluoromethane	20.7400	0.50	0.23	20.0000		104	59 - 135			
Vinyl chloride	17.5800	0.50	0.13	20.0000		87.9	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*25.28*			*25.0000*		*101*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.06*			*25.0000*		*100*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.04*			*25.0000*		*100*	*78 - 129*			

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 : 12/24/2020

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 B0L0385 - MSVOA_LL_W (continued)										
LCS (B0L0385-BS1) - Continued						Prepared: 12/22/2020 Analyzed: 12/22/2020				
Surrogate: Toluene-d8	*25.61*			*25.0000*		*102*	*84 - 117*			
LCS Dup (B0L0385-BSD1)						Prepared: 12/22/2020 Analyzed: 12/22/2020				
1,1,1,2-Tetrachloroethane	19.5200	0.50	0.11	20.0000		97.6	79 - 116	1.88	20	
1,1,1-Trichloroethane	20.4600	0.50	0.21	20.0000		102	73 - 130	3.60	20	
1,1,2,2-Tetrachloroethane	19.1500	0.50	0.36	20.0000		95.8	71 - 122	9.03	20	
1,1,2-Trichloroethane	20.2200	0.50	0.25	20.0000		101	70 - 124	3.26	20	
1,1-Dichloroethane	18.4900	0.50	0.09	20.0000		92.4	69 - 128	7.55	20	
1,1-Dichloroethene	19.3900	0.50	0.13	20.0000		97.0	65 - 137	6.73	20	
1,1-Dichloropropene	18.1300	0.50	0.13	20.0000		90.6	74 - 129	7.79	20	
1,2,3-Trichloropropane	19.4400	0.50	0.39	20.0000		97.2	74 - 123	6.04	20	
1,2,3-Trichlorobenzene	19.5600	0.50	0.18	20.0000		97.8	59 - 130	1.57	20	
1,2,4-Trichlorobenzene	17.9700	0.50	0.16	20.0000		89.8	65 - 125	7.76	20	
1,2,4-Trimethylbenzene	19.6100	0.50	0.14	20.0000		98.0	88 - 124	3.90	20	
1,2-Dibromo-3-chloropropane	22.6300	0.50	0.41	20.0000		113	61 - 127	10.5	20	
1,2-Dibromoethane	20.3900	0.50	0.24	20.0000		102	72 - 125	1.02	20	
1,2-Dichlorobenzene	18.4000	0.50	0.20	20.0000		92.0	84 - 113	6.21	20	
1,2-Dichloroethane	19.5900	0.50	0.20	20.0000		98.0	68 - 130	5.56	20	
1,2-Dichloropropane	19.8800	0.50	0.15	20.0000		99.4	77 - 121	3.85	20	
1,3,5-Trimethylbenzene	21.0900	0.50	0.13	20.0000		105	83 - 124	6.51	20	
1,3-Dichlorobenzene	18.4300	0.50	0.16	20.0000		92.2	83 - 112	6.15	20	
1,3-Dichloropropane	20.1700	0.50	0.21	20.0000		101	77 - 119	0.149	20	
1,4-Dichlorobenzene	18.0800	0.50	0.17	20.0000		90.4	79 - 115	7.35	20	
2,2-Dichloropropane	21.4900	0.50	0.38	20.0000		107	67 - 149	5.17	20	
2-Chlorotoluene	19.1900	0.50	0.11	20.0000		96.0	81 - 119	6.01	20	
4-Chlorotoluene	19.0500	0.50	0.12	20.0000		95.2	86 - 117	8.88	20	
4-Isopropyltoluene	21.5700	0.50	0.11	20.0000		108	82 - 131	6.46	20	
Benzene	20.0800	0.50	0.13	20.0000		100	75 - 124	3.81	20	
Bromobenzene	18.7300	0.50	0.21	20.0000		93.6	82 - 108	7.45	20	
Bromodichloromethane	20.1300	0.50	0.14	20.0000		101	80 - 120	2.65	20	
Bromoform	18.8600	0.50	0.20	20.0000		94.3	70 - 123	0.265	20	
Bromomethane	18.2400	0.50	0.40	20.0000		91.2	44 - 151	3.29	20	
Carbon tetrachloride	20.7500	0.50	0.09	20.0000		104	62 - 140	3.22	20	
Chlorobenzene	19.6300	0.50	0.13	20.0000		98.2	80 - 112	3.55	20	
Chloroethane	21.2900	0.50	0.15	20.0000		106	42 - 167	7.71	20	
Chloroform	18.6600	0.50	0.11	20.0000		93.3	77 - 122	3.99	20	
Chloromethane	17.7700	0.50	0.12	20.0000		88.8	33 - 153	11.3	20	
cis-1,2-Dichloroethene	19.5900	0.50	0.14	20.0000		98.0	75 - 121	6.76	20	
cis-1,3-Dichloropropene	18.4000	0.50	0.13	20.0000		92.0	73 - 127	4.41	20	
Dibromochloromethane	18.0700	0.50	0.16	20.0000		90.4	77 - 122	2.78	20	
Dibromomethane	18.8100	0.50	0.19	20.0000		94.0	75 - 121	7.87	20	
Dichlorodifluoromethane	19.2600	0.50	0.18	20.0000		96.3	0 - 171	3.67	20	

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 : 12/24/2020

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 B0L0385 - MSVOA_LL_W (continued)										
LCS Dup (B0L0385-BSD1) - Continued					Prepared: 12/22/2020 Analyzed: 12/22/2020					
Ethylbenzene	20.8200	0.50	0.13	20.0000		104	82 - 119	4.37	20	
Hexachlorobutadiene	20.0400	0.50	0.15	20.0000		100	71 - 131	5.44	20	
Isopropylbenzene	19.5000	0.50	0.10	20.0000		97.5	75 - 126	6.74	20	
m,p-Xylene	40.7600	1.0	0.19	40.0000		102	86 - 119	3.97	20	
Methylene chloride	19.9800	1.0	0.71	20.0000		99.9	76 - 125	8.16	20	
n-Butylbenzene	21.4600	0.50	0.11	20.0000		107	81 - 125	7.92	20	
n-Propylbenzene	20.0300	0.50	0.10	20.0000		100	78 - 130	8.14	20	
Naphthalene	19.0500	0.50	0.41	20.0000		95.2	47 - 128	4.31	20	
o-Xylene	20.7700	0.50	0.13	20.0000		104	85 - 119	3.41	20	
sec-Butylbenzene	20.9900	0.50	0.09	20.0000		105	78 - 130	8.83	20	
Styrene	21.1800	0.50	0.13	20.0000		106	62 - 148	3.11	20	
tert-Butylbenzene	19.8000	0.50	0.09	20.0000		99.0	77 - 125	8.74	20	
Tetrachloroethene	19.5400	0.50	0.10	20.0000		97.7	73 - 120	6.49	20	
Toluene	20.1200	0.50	0.12	20.0000		101	79 - 119	4.61	20	
trans-1,2-Dichloroethene	19.7100	0.50	0.09	20.0000		98.6	70 - 129	5.29	20	
Trichloroethene	19.9500	0.50	0.10	20.0000		99.8	73 - 117	4.03	20	
Trichlorofluoromethane	18.9500	0.50	0.23	20.0000		94.8	59 - 135	9.02	20	
Vinyl chloride	17.1400	0.50	0.13	20.0000		85.7	58 - 132	2.53	20	
Surrogate: 1,2-Dichloroethane-d4	*25.50*			*25.0000*		*102*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.48*			*25.0000*		*102*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.10*			*25.0000*		*100*	*78 - 129*			
Surrogate: Toluene-d8	*25.22*			*25.0000*		*101*	*84 - 117*			

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 : 12/24/2020

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 B0L0377 - MSSEMI_W										
Blank (B0L0377-BLK1)					Prepared: 12/21/2020 Analyzed: 12/21/2020					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*45.52*			*100.000*		*45.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*52.80*			*100.000*		*52.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*103.3*			*100.000*		*103*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*36.56*			*100.000*		*36.6*	*13 - 150*			
LCS (B0L0377-BS1)					Prepared: 12/21/2020 Analyzed: 12/21/2020					
1,4-Dioxane	116.960	2.0	0.84	100.000		117	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*34.25*			*100.000*		*34.2*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*46.00*			*100.000*		*46.0*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*76.76*			*100.000*		*76.8*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*30.77*			*100.000*		*30.8*	*13 - 150*			
LCS Dup (B0L0377-BSD1)					Prepared: 12/21/2020 Analyzed: 12/21/2020					
1,4-Dioxane	98.9500	2.0	0.84	100.000		99.0	75 - 155	16.7	20	
Surrogate: 1,2-Dichlorobenzene-d	*34.62*			*100.000*		*34.6*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*46.08*			*100.000*		*46.1*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*76.26*			*100.000*		*76.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*31.01*			*100.000*		*31.0*	*13 - 150*			

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 : 12/24/2020

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 B0L0376 - MSSEMI_W										
Blank (B0L0376-BLK1)						Prepared: 12/21/2020 Analyzed: 12/21/2020				
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.6404*			*1.00000*		*64.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9682*			*1.00000*		*96.8*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.9635*			*1.00000*		*96.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.9093*			*1.00000*		*90.9*	*15 - 121*			
LCS (B0L0376-BS1)						Prepared: 12/21/2020 Analyzed: 12/21/2020				
1,4-Dioxane	0.901410	0.20	0.05	1.00000		90.1	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.4415*			*1.00000*		*44.1*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.6297*			*1.00000*		*63.0*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.5728*			*1.00000*		*57.3*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6404*			*1.00000*		*64.0*	*15 - 121*			
LCS Dup (B0L0376-BSD1)						Prepared: 12/21/2020 Analyzed: 12/21/2020				
1,4-Dioxane	0.915710	0.20	0.05	1.00000		91.6	75 - 155	1.57	20	
Surrogate: 1,2-Dichlorobenzene-d	*0.4456*			*1.00000*		*44.6*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.6412*			*1.00000*		*64.1*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.5542*			*1.00000*		*55.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6296*			*1.00000*		*63.0*	*15 - 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 :	12/24/2020

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

2002739

Date: 12/17/2020
Page 1 of 1

PROJECT: Raytheon Main GETS Mid Month Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

LAB ID	SAMPLE ID	SAMPLE COLLECTION 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 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
01	TB-121720	12/17/2020	8:00		X	X				X	2						X									X									
02	CEFF	12/17/2020	9:05	X		X				X	3					1	X								X	X							X		
03	CBT	12/17/2020	9:10	X		X				X	3					1	X								X	X							X		
04	POX	12/17/2020	9:15	X		X				X	3					1	X								X	X							X		
05	INF	12/17/2020	9:30	X		X				X	3					1	X							X				X					X		
06	EW-02	12/17/2020	10:35	X		X				X	3					1	X							X			X						X		
07	MW-29	12/17/2020	10:50	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
H+A	12-17-20 11:26	H&A	12-17-20 11:26
H+A	12-17-20 13:55	H&A	12/17/20 13:55

3.8C ICE Temperature on receipt

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

Laboratory
Adcanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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

January 27, 2021

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

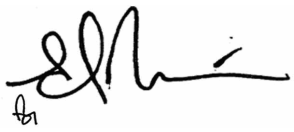
ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2100029
Client Reference : Raytheon Main GETS Monthly Sample, 532.15

Enclosed are the results for sample(s) received on January 07, 2021 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,



Edgar P. Caballero
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 :	01/27/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-010721	2100029-01	Water	1/07/21 8:00	1/07/21 15:36
CEFF	2100029-02	Groundwater	1/07/21 11:47	1/07/21 15:36
CBT	2100029-03	Groundwater	1/07/21 11:54	1/07/21 15:36
POX	2100029-04	Groundwater	1/07/21 12:00	1/07/21 15:36
PF	2100029-05	Groundwater	1/07/21 12:10	1/07/21 15:36
INF	2100029-06	Groundwater	1/07/21 12:21	1/07/21 15:36
EW-02	2100029-07	Groundwater	1/07/21 12:56	1/07/21 15:36
MW-29	2100029-08	Groundwater	1/07/21 13:18	1/07/21 15:36

CASE NARRATIVE

Samples for Bromate by IC-MS/MS was subcontracted to Element Materials Technology with CA-ELAP Cert. 2652.

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 : 01/27/2021

Client Sample ID: TB-010721

Lab ID: 2100029-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,1,2-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,1-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,1-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	

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 : 01/27/2021

Client Sample ID: TB-010721

Lab ID: 2100029-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 13:06	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 13:06	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Tetrachloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Trichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Trichlorofluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:06	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 13:06*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 13:06*	
Surrogate: Dibromofluoromethane	*109 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 13:06*	
Surrogate: Toluene-d8	*98.4 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 13:06*	

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 : 01/27/2021

Client Sample ID: CEFF

Lab ID: 2100029-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,1,2-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,1-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,1-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	

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 : 01/27/2021

Client Sample ID: CEFF

Lab ID: 2100029-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 13:28	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 13:28	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Tetrachloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Trichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Trichlorofluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:28	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 13:28*	
Surrogate: 4-Bromofluorobenzene	*94.4 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 13:28*	
Surrogate: Dibromofluoromethane	*105 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 13:28*	
Surrogate: Toluene-d8	*99.0 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 13:28*	

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 : 01/27/2021

Client Sample ID: CEFF

Lab ID: 2100029-02

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1A0077	01/08/2021	01/11/21 16:28	
Surrogate: 1,2-Dichlorobenzene-d4	*65.3 %*		*13 - 99*		B1A0077	01/08/2021	*01/11/21 16:28*	
Surrogate: 2-Fluorobiphenyl	*103 %*		*8 - 111*		B1A0077	01/08/2021	*01/11/21 16:28*	
Surrogate: 4-Terphenyl-d14	*83.5 %*		*12 - 113*		B1A0077	01/08/2021	*01/11/21 16:28*	
Surrogate: Nitrobenzene-d5	*68.4 %*		*15 - 121*		B1A0077	01/08/2021	*01/11/21 16:28*	

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 : 01/27/2021

Client Sample ID: CBT

Lab ID: 2100029-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,1,2-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,1-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,1-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	

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 : 01/27/2021

Client Sample ID: CBT

Lab ID: 2100029-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 13:48	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 13:48	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Tetrachloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Trichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Trichlorofluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 13:48	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 13:48*	
Surrogate: 4-Bromofluorobenzene	*92.2 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 13:48*	
Surrogate: Dibromofluoromethane	*105 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 13:48*	
Surrogate: Toluene-d8	*99.1 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 13:48*	

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 : 01/27/2021

Client Sample ID: CBT

Lab ID: 2100029-03

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1A0077	01/08/2021	01/11/21 16:55	
Surrogate: 1,2-Dichlorobenzene-d4	*63.8 %*		*13 - 99*		B1A0077	01/08/2021	*01/11/21 16:55*	
Surrogate: 2-Fluorobiphenyl	*98.2 %*		*8 - 111*		B1A0077	01/08/2021	*01/11/21 16:55*	
Surrogate: 4-Terphenyl-d14	*84.5 %*		*12 - 113*		B1A0077	01/08/2021	*01/11/21 16:55*	
Surrogate: Nitrobenzene-d5	*66.4 %*		*15 - 121*		B1A0077	01/08/2021	*01/11/21 16:55*	

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 : 01/27/2021

Client Sample ID: POX

Lab ID: 2100029-04

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**220**	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	
Alkalinity, Total (as CaCO3)	**220**	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B1A0093	01/11/2021	01/11/21 12:31	

Volatile Organic Compounds by EPA 8260B

Analyst: KL

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,1,2-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,1-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,1-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	

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 : 01/27/2021

Client Sample ID: POX

Lab ID: 2100029-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 14:09	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 14:09	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Tetrachloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Trichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Trichlorofluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:09	
Surrogate: 1,2-Dichloroethane-d4	*109 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 14:09*	
Surrogate: 4-Bromofluorobenzene	*92.0 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 14:09*	

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 :	01/27/2021

Client Sample ID: POX

Lab ID: 2100029-04

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*108 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 14:09*	
Surrogate: Toluene-d8	*97.7 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 14:09*	

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	1	B1A0077	01/08/2021	01/11/21 17:21	
Surrogate: 1,2-Dichlorobenzene-d4	*63.6 %*	*13 - 99*		B1A0077	01/08/2021	*01/11/21 17:21*	
Surrogate: 2-Fluorobiphenyl	*100 %*	*8 - 111*		B1A0077	01/08/2021	*01/11/21 17:21*	
Surrogate: 4-Terphenyl-d14	*84.5 %*	*12 - 113*		B1A0077	01/08/2021	*01/11/21 17:21*	
Surrogate: Nitrobenzene-d5	*66.3 %*	*15 - 121*		B1A0077	01/08/2021	*01/11/21 17:21*	

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 : 01/27/2021

Client Sample ID: PF

Lab ID: 2100029-05

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B1A0067	01/08/2021	01/08/21 11:47	

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**220**	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	
Alkalinity, Total (as CaCO3)	**220**	5.0	1	B1A0111	01/11/2021	01/11/21 17:00	

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Suspended	ND	10	1	B1A0074	01/08/2021	01/11/21 10:00	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B1A0093	01/11/2021	01/11/21 12:50	

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 : 01/27/2021

Client Sample ID: INF

Lab ID: 2100029-06

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B1A0083	01/08/2021	01/08/21 11:45	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,1,2-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,1-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,1-Dichloroethene	**52**	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	

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 : 01/27/2021

Client Sample ID: INF

Lab ID: 2100029-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 14:29	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 14:29	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Tetrachloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Trichloroethene	**0.71**	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Trichlorofluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:29	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 14:29*	
Surrogate: 4-Bromofluorobenzene	*94.0 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 14:29*	
Surrogate: Dibromofluoromethane	*105 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 14:29*	
Surrogate: Toluene-d8	*96.8 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 14:29*	

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 : 01/27/2021

Client Sample ID: INF

Lab ID: 2100029-06

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**27**	2.0	1	B1A0100	01/11/2021	01/12/21 20:16	
Surrogate: 1,2-Dichlorobenzene-d4	*43.5 %*		*17 - 119*		B1A0100	01/11/2021	*01/12/21 20:16*	
Surrogate: 2-Fluorobiphenyl	*62.2 %*		*10 - 133*		B1A0100	01/11/2021	*01/12/21 20:16*	
Surrogate: 4-Terphenyl-d14	*94.5 %*		*5 - 139*		B1A0100	01/11/2021	*01/12/21 20:16*	
Surrogate: Nitrobenzene-d5	*38.6 %*		*13 - 150*		B1A0100	01/11/2021	*01/12/21 20:16*	

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 : 01/27/2021

Client Sample ID: EW-02

Lab ID: 2100029-07

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B1A0083	01/08/2021	01/08/21 11:57	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,1,2-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,1-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,1-Dichloroethene	**14**	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	

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 : 01/27/2021

Client Sample ID: EW-02

Lab ID: 2100029-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 14:49	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 14:49	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Tetrachloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Trichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Trichlorofluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 14:49	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 14:49*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 14:49*	
Surrogate: Dibromofluoromethane	*108 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 14:49*	
Surrogate: Toluene-d8	*98.8 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 14:49*	

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 : 01/27/2021

Client Sample ID: EW-02

Lab ID: 2100029-07

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**8.0**	2.0	1	B1A0100	01/11/2021	01/12/21 20:42	
Surrogate: 1,2-Dichlorobenzene-d4	*43.5 %*		*17 - 119*		B1A0100	01/11/2021	*01/12/21 20:42*	
Surrogate: 2-Fluorobiphenyl	*65.0 %*		*10 - 133*		B1A0100	01/11/2021	*01/12/21 20:42*	
Surrogate: 4-Terphenyl-d14	*103 %*		*5 - 139*		B1A0100	01/11/2021	*01/12/21 20:42*	
Surrogate: Nitrobenzene-d5	*42.0 %*		*13 - 150*		B1A0100	01/11/2021	*01/12/21 20:42*	

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 : 01/27/2021

Client Sample ID: MW-29

Lab ID: 2100029-08

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B1A0083	01/08/2021	01/08/21 12:08	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,1,1-Trichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,1,2-Trichloroethane	**0.65**	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,1-Dichloroethane	**1.5**	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,1-Dichloroethene	**170**	5.0	10	B1A0018	01/08/2021	01/08/21 15:29	
1,1-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2,3-Trichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2-Dibromoethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2-Dichloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,3-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,3-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
1,4-Dichlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
2,2-Dichloropropane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
2-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
4-Chlorotoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
4-Isopropyltoluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Benzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Bromobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Bromodichloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Bromoform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Bromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Carbon tetrachloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Chlorobenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	

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 : 01/27/2021

Client Sample ID: MW-29

Lab ID: 2100029-08

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Chloroform	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Chloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Dibromochloromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Dibromomethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Dichlorodifluoromethane	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Ethylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Hexachlorobutadiene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Isopropylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
m,p-Xylene	ND	1.0	1	B1A0018	01/08/2021	01/08/21 15:09	
Methylene chloride	ND	1.0	1	B1A0018	01/08/2021	01/08/21 15:09	
n-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
n-Propylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Naphthalene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
o-Xylene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
sec-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Styrene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
tert-Butylbenzene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Tetrachloroethene	**0.60**	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Toluene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Trichloroethene	**2.1**	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Trichlorofluoromethane	**1.3**	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Vinyl chloride	ND	0.50	1	B1A0018	01/08/2021	01/08/21 15:09	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 15:29*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*64 - 155*		B1A0018	01/08/2021	*01/08/21 15:09*	
Surrogate: 4-Bromofluorobenzene	*92.5 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 15:29*	
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*73 - 124*		B1A0018	01/08/2021	*01/08/21 15:09*	
Surrogate: Dibromofluoromethane	*107 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 15:09*	
Surrogate: Dibromofluoromethane	*107 %*	*78 - 129*		B1A0018	01/08/2021	*01/08/21 15:29*	
Surrogate: Toluene-d8	*96.0 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 15:29*	
Surrogate: Toluene-d8	*98.4 %*	*84 - 117*		B1A0018	01/08/2021	*01/08/21 15:09*	

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 : 01/27/2021

Client Sample ID: MW-29

Lab ID: 2100029-08

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**90**	2.0	1	B1A0100	01/11/2021	01/12/21 21:07	
Surrogate: 1,2-Dichlorobenzene-d4	*43.5 %*		*17 - 119*		B1A0100	01/11/2021	*01/12/21 21:07*	
Surrogate: 2-Fluorobiphenyl	*71.9 %*		*10 - 133*		B1A0100	01/11/2021	*01/12/21 21:07*	
Surrogate: 4-Terphenyl-d14	*115 %*		*5 - 139*		B1A0100	01/11/2021	*01/12/21 21:07*	
Surrogate: Nitrobenzene-d5	*44.6 %*		*13 - 150*		B1A0100	01/11/2021	*01/12/21 21:07*	

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 : 01/27/2021

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 B1A0111 - No_Prep_WC1_W										
Blank (B1A0111-BLK1)					Prepared: 1/11/2021 Analyzed: 1/11/2021					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	3.4							
Alkalinity, Total (as CaCO3)	ND	5.0	3.4							
LCS (B1A0111-BS1)					Prepared: 1/11/2021 Analyzed: 1/11/2021					
Alkalinity, Total (as CaCO3)	98.1800	5.0	3.4	99.9580		98.2	80 - 120			
Matrix Spike (B1A0111-MS1)			**Source: 2100029-04**		Prepared: 1/11/2021 Analyzed: 1/11/2021					
Alkalinity, Total (as CaCO3)	317.360	5.0	3.4	99.9580	216.850	101	80 - 120			
Matrix Spike Dup (B1A0111-MSD1)			**Source: 2100029-04**		Prepared: 1/11/2021 Analyzed: 1/11/2021					
Alkalinity, Total (as CaCO3)	316.720	5.0	3.4	99.9580	216.850	99.9	80 - 120	0.202	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 : 01/27/2021

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 B1A0074 - No_Prep_WC1_W										
Blank (B1A0074-BLK1)					Prepared: 1/8/2021 Analyzed: 1/11/2021					
Residue, Suspended	ND	1.0	1.0							
LCS (B1A0074-BS1)					Prepared: 1/8/2021 Analyzed: 1/11/2021					
Residue, Suspended	92.0000	10	10	100.000		92.0	80 - 120			
Duplicate (B1A0074-DUP1)			**Source: 2100031-01**		Prepared: 1/8/2021 Analyzed: 1/11/2021					
Residue, Suspended	ND	2.0	2.0		ND			NR	10	

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 : 01/27/2021

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 B1A0083 - No_Prep_IC1_W										
Blank (B1A0083-BLK1)					Prepared: 1/8/2021 Analyzed: 1/8/2021					
Bromide	ND	0.05	0.02							
LCS (B1A0083-BS1)					Prepared: 1/8/2021 Analyzed: 1/8/2021					
Bromide	0.974400	0.05	0.02	1.00000		97.4	90 - 110			
Duplicate (B1A0083-DUP1)			**Source: 2100031-01**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
Bromide	ND	0.05	0.02		ND			NR	20	
Matrix Spike (B1A0083-MS1)			**Source: 2100031-01**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
Bromide	2.58560	0.05	0.02	2.50000	ND	103	80 - 120			
Matrix Spike Dup (B1A0083-MSD1)			**Source: 2100031-01**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
Bromide	2.66100	0.05	0.02	2.50000	ND	106	80 - 120	2.87	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 : 01/27/2021

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 B1A0067 - No_Prep_II_W										
Duplicate (B1A0067-DUP1)			**Source: 2100029-05**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
UV Absorption	ND	0.01	0.01		ND			NR	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 : 01/27/2021

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 B1A0093 - No_Prep_II_W										
Blank (B1A0093-BLK1)					Prepared: 1/11/2021 Analyzed: 1/11/2021					
Organic Carbon, Total	ND	3.0	1.3							
LCS (B1A0093-BS1)					Prepared: 1/11/2021 Analyzed: 1/11/2021					
Organic Carbon, Total	23.7100	3.0	1.3	25.0000		94.8	80 - 120			
Duplicate (B1A0093-DUP1)			**Source: 2100029-04**		Prepared: 1/11/2021 Analyzed: 1/11/2021					
Organic Carbon, Total	ND	3.0	1.3		ND			NR	20	
Matrix Spike (B1A0093-MS1)			**Source: 2100029-04**		Prepared: 1/11/2021 Analyzed: 1/11/2021					
Organic Carbon, Total	18.1700	3.0	1.3	25.0000	ND	72.7	80 - 120			M2
Matrix Spike Dup (B1A0093-MSD1)			**Source: 2100029-04**		Prepared: 1/11/2021 Analyzed: 1/11/2021					
Organic Carbon, Total	18.7500	3.0	1.3	25.0000	ND	75.0	80 - 120	3.14	20	M2

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 : 01/27/2021

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 B1A0018 - MSVOA_LL_W										
Blank (B1A0018-BLK1)					Prepared: 1/8/2021 Analyzed: 1/8/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

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 B1A0018 - MSVOA_LL_W (continued)										
Blank (B1A0018-BLK1) - Continued					Prepared: 1/8/2021 Analyzed: 1/8/2021					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*27.57*			*25.0000*		*110*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*23.58*			*25.0000*		*94.3*	*73 - 124*			
Surrogate: Dibromofluoromethan	*27.08*			*25.0000*		*108*	*78 - 129*			
Surrogate: Toluene-d8	*24.57*			*25.0000*		*98.3*	*84 - 117*			
LCS (B1A0018-BS1)					Prepared: 1/8/2021 Analyzed: 1/8/2021					
1,1,1,2-Tetrachloroethane	20.7700	0.50	0.11	20.0000		104	79 - 116			
1,1,1-Trichloroethane	21.5600	0.50	0.21	20.0000		108	73 - 130			
1,1,2,2-Tetrachloroethane	18.0500	0.50	0.36	20.0000		90.2	71 - 122			
1,1,2-Trichloroethane	20.5400	0.50	0.25	20.0000		103	70 - 124			
1,1-Dichloroethane	19.5400	0.50	0.09	20.0000		97.7	69 - 128			
1,1-Dichloroethene	20.4500	0.50	0.13	20.0000		102	65 - 137			
1,1-Dichloropropene	18.9600	0.50	0.13	20.0000		94.8	74 - 129			
1,2,3-Trichloropropane	18.4100	0.50	0.39	20.0000		92.0	74 - 123			
1,2,3-Trichlorobenzene	17.9800	0.50	0.18	20.0000		89.9	59 - 130			
1,2,4-Trichlorobenzene	17.6800	0.50	0.16	20.0000		88.4	65 - 125			
1,2,4-Trimethylbenzene	19.0100	0.50	0.14	20.0000		95.0	88 - 124			
1,2-Dibromo-3-chloropropane	21.9400	0.50	0.41	20.0000		110	61 - 127			
1,2-Dibromoethane	20.4000	0.50	0.24	20.0000		102	72 - 125			
1,2-Dichlorobenzene	18.4900	0.50	0.20	20.0000		92.4	84 - 113			
1,2-Dichloroethane	20.3200	0.50	0.20	20.0000		102	68 - 130			
1,2-Dichloropropane	20.1800	0.50	0.15	20.0000		101	77 - 121			
1,3,5-Trimethylbenzene	20.7100	0.50	0.13	20.0000		104	83 - 124			
1,3-Dichlorobenzene	18.7100	0.50	0.16	20.0000		93.6	83 - 112			
1,3-Dichloropropane	20.1400	0.50	0.21	20.0000		101	77 - 119			

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 : 01/27/2021

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 B1A0018 - MSVOA_LL_W (continued)										
LCS (B1A0018-BS1) - Continued					Prepared: 1/8/2021 Analyzed: 1/8/2021					
1,4-Dichlorobenzene	18.7800	0.50	0.17	20.0000		93.9	79 - 115			
2,2-Dichloropropane	22.8600	0.50	0.38	20.0000		114	67 - 149			
2-Chlorotoluene	19.2100	0.50	0.11	20.0000		96.0	81 - 119			
4-Chlorotoluene	19.8600	0.50	0.12	20.0000		99.3	86 - 117			
4-Isopropyltoluene	20.8700	0.50	0.11	20.0000		104	82 - 131			
Benzene	20.4900	0.50	0.13	20.0000		102	75 - 124			
Bromobenzene	19.1800	0.50	0.21	20.0000		95.9	82 - 108			
Bromodichloromethane	20.4900	0.50	0.14	20.0000		102	80 - 120			
Bromoform	19.5100	0.50	0.20	20.0000		97.6	70 - 123			
Bromomethane	21.1300	0.50	0.40	20.0000		106	44 - 151			
Carbon tetrachloride	21.7600	0.50	0.09	20.0000		109	62 - 140			
Chlorobenzene	20.2700	0.50	0.13	20.0000		101	80 - 112			
Chloroethane	22.4700	0.50	0.15	20.0000		112	42 - 167			
Chloroform	19.1800	0.50	0.11	20.0000		95.9	77 - 122			
Chloromethane	23.2500	0.50	0.12	20.0000		116	33 - 153			
cis-1,2-Dichloroethene	20.3900	0.50	0.14	20.0000		102	75 - 121			
cis-1,3-Dichloropropene	18.3400	0.50	0.13	20.0000		91.7	73 - 127			
Dibromochloromethane	18.8300	0.50	0.16	20.0000		94.2	77 - 122			
Dibromomethane	20.1900	0.50	0.19	20.0000		101	75 - 121			
Dichlorodifluoromethane	18.2800	0.50	0.18	20.0000		91.4	0 - 171			
Ethylbenzene	21.4100	0.50	0.13	20.0000		107	82 - 119			
Hexachlorobutadiene	19.6800	0.50	0.15	20.0000		98.4	71 - 131			
Isopropylbenzene	19.2200	0.50	0.10	20.0000		96.1	75 - 126			
m,p-Xylene	42.6200	1.0	0.19	40.0000		107	86 - 119			
Methylene chloride	19.7400	1.0	0.71	20.0000		98.7	76 - 125			
n-Butylbenzene	20.0500	0.50	0.11	20.0000		100	81 - 125			
n-Propylbenzene	20.1700	0.50	0.10	20.0000		101	78 - 130			
Naphthalene	16.7500	0.50	0.41	20.0000		83.8	47 - 128			
o-Xylene	21.4700	0.50	0.13	20.0000		107	85 - 119			
sec-Butylbenzene	20.6800	0.50	0.09	20.0000		103	78 - 130			
Styrene	21.6300	0.50	0.13	20.0000		108	62 - 148			
tert-Butylbenzene	19.5800	0.50	0.09	20.0000		97.9	77 - 125			
Tetrachloroethene	21.7400	0.50	0.10	20.0000		109	73 - 120			
Toluene	20.8400	0.50	0.12	20.0000		104	79 - 119			
trans-1,2-Dichloroethene	20.9600	0.50	0.09	20.0000		105	70 - 129			
Trichloroethene	20.8700	0.50	0.10	20.0000		104	73 - 117			
Trichlorofluoromethane	20.0900	0.50	0.23	20.0000		100	59 - 135			
Vinyl chloride	21.2600	0.50	0.13	20.0000		106	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*25.61*			*25.0000*		*102*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.66*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.16*			*25.0000*		*105*	*78 - 129*			

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 : 01/27/2021

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 B1A0018 - MSVOA_LL_W (continued)										
LCS (B1A0018-BS1) - Continued					Prepared: 1/8/2021 Analyzed: 1/8/2021					
Surrogate: Toluene-d8	*25.47*			*25.0000*		*102*	*84 - 117*			
LCS Dup (B1A0018-BSD1)					Prepared: 1/8/2021 Analyzed: 1/8/2021					
1,1,1,2-Tetrachloroethane	19.6300	0.50	0.11	20.0000		98.2	79 - 116	5.64	20	
1,1,1-Trichloroethane	20.4200	0.50	0.21	20.0000		102	73 - 130	5.43	20	
1,1,2,2-Tetrachloroethane	18.1500	0.50	0.36	20.0000		90.8	71 - 122	0.552	20	
1,1,2-Trichloroethane	19.5000	0.50	0.25	20.0000		97.5	70 - 124	5.19	20	
1,1-Dichloroethane	18.2200	0.50	0.09	20.0000		91.1	69 - 128	6.99	20	
1,1-Dichloroethene	18.9300	0.50	0.13	20.0000		94.6	65 - 137	7.72	20	
1,1-Dichloropropene	17.4700	0.50	0.13	20.0000		87.4	74 - 129	8.18	20	
1,2,3-Trichloropropane	18.9400	0.50	0.39	20.0000		94.7	74 - 123	2.84	20	
1,2,3-Trichlorobenzene	18.2900	0.50	0.18	20.0000		91.4	59 - 130	1.71	20	
1,2,4-Trichlorobenzene	17.0000	0.50	0.16	20.0000		85.0	65 - 125	3.92	20	
1,2,4-Trimethylbenzene	18.3800	0.50	0.14	20.0000		91.9	88 - 124	3.37	20	
1,2-Dibromo-3-chloropropane	22.9600	0.50	0.41	20.0000		115	61 - 127	4.54	20	
1,2-Dibromoethane	19.5900	0.50	0.24	20.0000		98.0	72 - 125	4.05	20	
1,2-Dichlorobenzene	18.2600	0.50	0.20	20.0000		91.3	84 - 113	1.25	20	
1,2-Dichloroethane	19.8900	0.50	0.20	20.0000		99.4	68 - 130	2.14	20	
1,2-Dichloropropane	18.9300	0.50	0.15	20.0000		94.6	77 - 121	6.39	20	
1,3,5-Trimethylbenzene	20.0500	0.50	0.13	20.0000		100	83 - 124	3.24	20	
1,3-Dichlorobenzene	18.5500	0.50	0.16	20.0000		92.8	83 - 112	0.859	20	
1,3-Dichloropropane	19.0100	0.50	0.21	20.0000		95.0	77 - 119	5.77	20	
1,4-Dichlorobenzene	18.3200	0.50	0.17	20.0000		91.6	79 - 115	2.48	20	
2,2-Dichloropropane	21.5300	0.50	0.38	20.0000		108	67 - 149	5.99	20	
2-Chlorotoluene	18.5400	0.50	0.11	20.0000		92.7	81 - 119	3.55	20	
4-Chlorotoluene	19.1300	0.50	0.12	20.0000		95.6	86 - 117	3.74	20	
4-Isopropyltoluene	20.0500	0.50	0.11	20.0000		100	82 - 131	4.01	20	
Benzene	19.2700	0.50	0.13	20.0000		96.4	75 - 124	6.14	20	
Bromobenzene	18.6300	0.50	0.21	20.0000		93.2	82 - 108	2.91	20	
Bromodichloromethane	19.4000	0.50	0.14	20.0000		97.0	80 - 120	5.47	20	
Bromoform	18.8000	0.50	0.20	20.0000		94.0	70 - 123	3.71	20	
Bromomethane	20.1400	0.50	0.40	20.0000		101	44 - 151	4.80	20	
Carbon tetrachloride	20.5100	0.50	0.09	20.0000		103	62 - 140	5.91	20	
Chlorobenzene	19.0200	0.50	0.13	20.0000		95.1	80 - 112	6.36	20	
Chloroethane	21.1400	0.50	0.15	20.0000		106	42 - 167	6.10	20	
Chloroform	18.2900	0.50	0.11	20.0000		91.4	77 - 122	4.75	20	
Chloromethane	22.9800	0.50	0.12	20.0000		115	33 - 153	1.17	20	
cis-1,2-Dichloroethene	19.1900	0.50	0.14	20.0000		96.0	75 - 121	6.06	20	
cis-1,3-Dichloropropene	18.2100	0.50	0.13	20.0000		91.0	73 - 127	0.711	20	
Dibromochloromethane	17.5000	0.50	0.16	20.0000		87.5	77 - 122	7.32	20	
Dibromomethane	19.0800	0.50	0.19	20.0000		95.4	75 - 121	5.65	20	
Dichlorodifluoromethane	16.8600	0.50	0.18	20.0000		84.3	0 - 171	8.08	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 : 01/27/2021

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 B1A0018 - MSVOA_LL_W (continued)										
LCS Dup (B1A0018-BSD1) - Continued					Prepared: 1/8/2021 Analyzed: 1/8/2021					
Ethylbenzene	20.2400	0.50	0.13	20.0000		101	82 - 119	5.62	20	
Hexachlorobutadiene	19.8000	0.50	0.15	20.0000		99.0	71 - 131	0.608	20	
Isopropylbenzene	18.4400	0.50	0.10	20.0000		92.2	75 - 126	4.14	20	
m,p-Xylene	39.8700	1.0	0.19	40.0000		99.7	86 - 119	6.67	20	
Methylene chloride	19.2400	1.0	0.71	20.0000		96.2	76 - 125	2.57	20	
n-Butylbenzene	19.5600	0.50	0.11	20.0000		97.8	81 - 125	2.47	20	
n-Propylbenzene	19.2700	0.50	0.10	20.0000		96.4	78 - 130	4.56	20	
Naphthalene	16.7700	0.50	0.41	20.0000		83.8	47 - 128	0.119	20	
o-Xylene	19.8600	0.50	0.13	20.0000		99.3	85 - 119	7.79	20	
sec-Butylbenzene	19.8600	0.50	0.09	20.0000		99.3	78 - 130	4.05	20	
Styrene	20.2700	0.50	0.13	20.0000		101	62 - 148	6.49	20	
tert-Butylbenzene	18.9800	0.50	0.09	20.0000		94.9	77 - 125	3.11	20	
Tetrachloroethene	19.5800	0.50	0.10	20.0000		97.9	73 - 120	10.5	20	
Toluene	19.3800	0.50	0.12	20.0000		96.9	79 - 119	7.26	20	
trans-1,2-Dichloroethene	19.2800	0.50	0.09	20.0000		96.4	70 - 129	8.35	20	
Trichloroethene	20.4300	0.50	0.10	20.0000		102	73 - 117	2.13	20	
Trichlorofluoromethane	18.7600	0.50	0.23	20.0000		93.8	59 - 135	6.85	20	
Vinyl chloride	19.9300	0.50	0.13	20.0000		99.6	58 - 132	6.46	20	
Surrogate: 1,2-Dichloroethane-d4	*25.21*			*25.0000*		*101*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.37*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.70*			*25.0000*		*103*	*78 - 129*			
Surrogate: Toluene-d8	*25.46*			*25.0000*		*102*	*84 - 117*			
Matrix Spike (B1A0018-MS1)			**Source: 2100029-04**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
1,1,1,2-Tetrachloroethane	21.2400	0.50	0.11	20.0000	ND	106	81 - 133			
1,1,1-Trichloroethane	21.9600	0.50	0.21	20.0000	ND	110	93 - 149			
1,1,2,2-Tetrachloroethane	18.1300	0.50	0.36	20.0000	ND	90.6	69 - 151			
1,1,2-Trichloroethane	20.4700	0.50	0.25	20.0000	ND	102	78 - 130			
1,1-Dichloroethane	21.4300	0.50	0.09	20.0000	0.220000	106	68 - 135			
1,1-Dichloroethene	19.4200	0.50	0.13	20.0000	ND	97.1	77 - 134			
1,1-Dichloropropene	19.3500	0.50	0.13	20.0000	ND	96.8	91 - 138			
1,2,3-Trichloropropane	17.6400	0.50	0.39	20.0000	ND	88.2	77 - 136			
1,2,3-Trichlorobenzene	18.0400	0.50	0.18	20.0000	ND	90.2	72 - 129			
1,2,4-Trichlorobenzene	17.2900	0.50	0.16	20.0000	ND	86.4	64 - 135			
1,2,4-Trimethylbenzene	17.5400	0.50	0.14	20.0000	ND	87.7	10 - 179			
1,2-Dibromo-3-chloropropane	21.5500	0.50	0.41	20.0000	ND	108	62 - 153			
1,2-Dibromoethane	19.5500	0.50	0.24	20.0000	ND	97.8	80 - 132			
1,2-Dichlorobenzene	18.1600	0.50	0.20	20.0000	ND	90.8	81 - 131			
1,2-Dichloroethane	20.2000	0.50	0.20	20.0000	ND	101	68 - 146			
1,2-Dichloropropane	19.3600	0.50	0.15	20.0000	ND	96.8	74 - 136			
1,3,5-Trimethylbenzene	19.9100	0.50	0.13	20.0000	ND	99.6	66 - 149			

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9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main GETS Monthly Sample, 5
Report To : Steve Netto
Reported : 01/27/2021

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 B1A0018 - MSVOA_LL_W (continued)										
Matrix Spike (B1A0018-MS1) - Continued			**Source: 2100029-04**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
1,3-Dichlorobenzene	18.0200	0.50	0.16	20.0000	ND	90.1	79 - 128			
1,3-Dichloropropane	20.7600	0.50	0.21	20.0000	ND	104	80 - 129			
1,4-Dichlorobenzene	17.8800	0.50	0.17	20.0000	ND	89.4	84 - 121			
2,2-Dichloropropane	21.5600	0.50	0.38	20.0000	ND	108	63 - 179			
2-Chlorotoluene	18.6500	0.50	0.11	20.0000	ND	93.2	76 - 142			
4-Chlorotoluene	19.0400	0.50	0.12	20.0000	ND	95.2	72 - 152			
4-Isopropyltoluene	20.3000	0.50	0.11	20.0000	ND	102	84 - 141			
Benzene	20.5300	0.50	0.13	20.0000	ND	103	79 - 131			
Bromobenzene	18.5200	0.50	0.21	20.0000	ND	92.6	82 - 121			
Bromodichloromethane	20.6500	0.50	0.14	20.0000	ND	103	86 - 138			
Bromoform	20.0100	0.50	0.20	20.0000	ND	100	80 - 136			
Bromomethane	21.8000	0.50	0.40	20.0000	ND	109	35 - 194			
Carbon tetrachloride	22.7300	0.50	0.09	20.0000	ND	114	73 - 176			
Chlorobenzene	20.2800	0.50	0.13	20.0000	ND	101	81 - 124			
Chloroethane	24.1000	0.50	0.15	20.0000	ND	120	0 - 257			
Chloroform	19.0100	0.50	0.11	20.0000	ND	95.0	76 - 139			
Chloromethane	25.6300	0.50	0.12	20.0000	ND	128	27 - 144			
cis-1,2-Dichloroethene	19.6500	0.50	0.14	20.0000	ND	98.2	69 - 139			
cis-1,3-Dichloropropene	18.6500	0.50	0.13	20.0000	ND	93.2	67 - 149			
Dibromochloromethane	18.2000	0.50	0.16	20.0000	ND	91.0	91 - 131			
Dibromomethane	19.9300	0.50	0.19	20.0000	ND	99.6	70 - 134			
Dichlorodifluoromethane	18.0200	0.50	0.18	20.0000	ND	90.1	0 - 161			
Ethylbenzene	21.5400	0.50	0.13	20.0000	ND	108	89 - 134			
Hexachlorobutadiene	18.8800	0.50	0.15	20.0000	ND	94.4	73 - 137			
Isopropylbenzene	18.9100	0.50	0.10	20.0000	ND	94.6	72 - 152			
m,p-Xylene	42.2900	1.0	0.19	40.0000	ND	106	82 - 141			
Methylene chloride	19.5200	1.0	0.71	20.0000	ND	97.6	74 - 133			
n-Butylbenzene	20.1300	0.50	0.11	20.0000	ND	101	65 - 164			
n-Propylbenzene	19.6800	0.50	0.10	20.0000	ND	98.4	73 - 161			
Naphthalene	16.4800	0.50	0.41	20.0000	ND	82.4	59 - 105			
o-Xylene	21.1200	0.50	0.13	20.0000	ND	106	90 - 134			
sec-Butylbenzene	20.8600	0.50	0.09	20.0000	ND	104	80 - 157			
Styrene	18.7100	0.50	0.13	20.0000	ND	93.6	0 - 222			
tert-Butylbenzene	19.3100	0.50	0.09	20.0000	ND	96.6	88 - 141			
Tetrachloroethene	22.0000	0.50	0.10	20.0000	ND	110	75 - 136			
Toluene	20.4500	0.50	0.12	20.0000	ND	102	82 - 132			
trans-1,2-Dichloroethene	20.6900	0.50	0.09	20.0000	ND	103	65 - 135			
Trichloroethene	21.3600	0.50	0.10	20.0000	ND	107	75 - 128			
Trichlorofluoromethane	18.1600	0.50	0.23	20.0000	0.320000	89.2	89 - 143			
Vinyl chloride	21.1100	0.50	0.13	20.0000	ND	106	50 - 148			
Surrogate: 1,2-Dichloroethane-d4	*25.46*			*25.0000*		*102*	*64 - 155*			

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 : 01/27/2021

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 B1A0018 - MSVOA_LL_W (continued)										
Matrix Spike (B1A0018-MS1) - Continued			**Source: 2100029-04**			Prepared: 1/8/2021 Analyzed: 1/8/2021				
Surrogate: 4-Bromofluorobenzene	*26.46*			*25.0000*		*106*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.67*			*25.0000*		*103*	*78 - 129*			
Surrogate: Toluene-d8	*25.65*			*25.0000*		*103*	*84 - 117*			
Matrix Spike Dup (B1A0018-MSD1)			**Source: 2100029-04**			Prepared: 1/8/2021 Analyzed: 1/8/2021				
1,1,1,2-Tetrachloroethane	21.0000	0.50	0.11	20.0000	ND	105	81 - 133	1.14	20	
1,1,1-Trichloroethane	22.4800	0.50	0.21	20.0000	ND	112	93 - 149	2.34	20	
1,1,2,2-Tetrachloroethane	19.2400	0.50	0.36	20.0000	ND	96.2	69 - 151	5.94	20	
1,1,2-Trichloroethane	20.6600	0.50	0.25	20.0000	ND	103	78 - 130	0.924	20	
1,1-Dichloroethane	19.4200	0.50	0.09	20.0000	0.220000	96.0	68 - 135	9.84	20	
1,1-Dichloroethene	21.1400	0.50	0.13	20.0000	ND	106	77 - 134	8.48	20	
1,1-Dichloropropene	19.5200	0.50	0.13	20.0000	ND	97.6	91 - 138	0.875	20	
1,2,3-Trichloropropane	19.2100	0.50	0.39	20.0000	ND	96.0	77 - 136	8.52	20	
1,2,3-Trichlorobenzene	19.9200	0.50	0.18	20.0000	ND	99.6	72 - 129	9.91	20	
1,2,4-Trichlorobenzene	19.2200	0.50	0.16	20.0000	ND	96.1	64 - 135	10.6	20	
1,2,4-Trimethylbenzene	19.1200	0.50	0.14	20.0000	ND	95.6	10 - 179	8.62	20	
1,2-Dibromo-3-chloropropane	22.8200	0.50	0.41	20.0000	ND	114	62 - 153	5.72	20	
1,2-Dibromoethane	20.3500	0.50	0.24	20.0000	ND	102	80 - 132	4.01	20	
1,2-Dichlorobenzene	19.3400	0.50	0.20	20.0000	ND	96.7	81 - 131	6.29	20	
1,2-Dichloroethane	19.8100	0.50	0.20	20.0000	ND	99.0	68 - 146	1.95	20	
1,2-Dichloropropane	20.3500	0.50	0.15	20.0000	ND	102	74 - 136	4.99	20	
1,3,5-Trimethylbenzene	21.2000	0.50	0.13	20.0000	ND	106	66 - 149	6.28	20	
1,3-Dichlorobenzene	19.1600	0.50	0.16	20.0000	ND	95.8	79 - 128	6.13	20	
1,3-Dichloropropane	20.0400	0.50	0.21	20.0000	ND	100	80 - 129	3.53	20	
1,4-Dichlorobenzene	19.2200	0.50	0.17	20.0000	ND	96.1	84 - 121	7.22	20	
2,2-Dichloropropane	22.4100	0.50	0.38	20.0000	ND	112	63 - 179	3.87	20	
2-Chlorotoluene	19.2500	0.50	0.11	20.0000	ND	96.2	76 - 142	3.17	20	
4-Chlorotoluene	19.8100	0.50	0.12	20.0000	ND	99.0	72 - 152	3.96	20	
4-Isopropyltoluene	22.4400	0.50	0.11	20.0000	ND	112	84 - 141	10.0	20	
Benzene	20.8400	0.50	0.13	20.0000	ND	104	79 - 131	1.50	20	
Bromobenzene	19.0400	0.50	0.21	20.0000	ND	95.2	82 - 121	2.77	20	
Bromodichloromethane	19.9400	0.50	0.14	20.0000	ND	99.7	86 - 138	3.50	20	
Bromoform	18.5300	0.50	0.20	20.0000	ND	92.6	80 - 136	7.68	20	
Bromomethane	23.4000	0.50	0.40	20.0000	ND	117	35 - 194	7.08	20	
Carbon tetrachloride	22.3800	0.50	0.09	20.0000	ND	112	73 - 176	1.55	20	
Chlorobenzene	20.4100	0.50	0.13	20.0000	ND	102	81 - 124	0.639	20	
Chloroethane	24.3900	0.50	0.15	20.0000	ND	122	0 - 257	1.20	20	
Chloroform	19.2500	0.50	0.11	20.0000	ND	96.2	76 - 139	1.25	20	
Chloromethane	26.3500	0.50	0.12	20.0000	ND	132	27 - 144	2.77	20	
cis-1,2-Dichloroethene	21.5800	0.50	0.14	20.0000	ND	108	69 - 139	9.36	20	
cis-1,3-Dichloropropene	18.8400	0.50	0.13	20.0000	ND	94.2	67 - 149	1.01	20	
Dibromochloromethane	18.1700	0.50	0.16	20.0000	ND	90.8	91 - 131	0.165	20	M2

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
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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 B1A0018 - MSVOA_LL_W (continued)										
Matrix Spike Dup (B1A0018-MSD1) - Continued			**Source: 2100029-04**		Prepared: 1/8/2021 Analyzed: 1/8/2021					
Dibromomethane	20.4700	0.50	0.19	20.0000	ND	102	70 - 134	2.67	20	
Dichlorodifluoromethane	18.8100	0.50	0.18	20.0000	ND	94.0	0 - 161	4.29	20	
Ethylbenzene	21.7200	0.50	0.13	20.0000	ND	109	89 - 134	0.832	20	
Hexachlorobutadiene	22.0800	0.50	0.15	20.0000	ND	110	73 - 137	15.6	20	
Isopropylbenzene	20.2000	0.50	0.10	20.0000	ND	101	72 - 152	6.60	20	
m,p-Xylene	42.8400	1.0	0.19	40.0000	ND	107	82 - 141	1.29	20	
Methylene chloride	19.8500	1.0	0.71	20.0000	ND	99.2	74 - 133	1.68	20	
n-Butylbenzene	22.3800	0.50	0.11	20.0000	ND	112	65 - 164	10.6	20	
n-Propylbenzene	20.7200	0.50	0.10	20.0000	ND	104	73 - 161	5.15	20	
Naphthalene	18.7500	0.50	0.41	20.0000	ND	93.8	59 - 105	12.9	20	
o-Xylene	21.5900	0.50	0.13	20.0000	ND	108	90 - 134	2.20	20	
sec-Butylbenzene	22.2800	0.50	0.09	20.0000	ND	111	80 - 157	6.58	20	
Styrene	19.5700	0.50	0.13	20.0000	ND	97.8	0 - 222	4.49	20	
tert-Butylbenzene	21.4800	0.50	0.09	20.0000	ND	107	88 - 141	10.6	20	
Tetrachloroethene	21.5800	0.50	0.10	20.0000	ND	108	75 - 136	1.93	20	
Toluene	21.0200	0.50	0.12	20.0000	ND	105	82 - 132	2.75	20	
trans-1,2-Dichloroethene	21.8900	0.50	0.09	20.0000	ND	109	65 - 135	5.64	20	
Trichloroethene	21.3400	0.50	0.10	20.0000	ND	107	75 - 128	0.0937	20	
Trichlorofluoromethane	22.9500	0.50	0.23	20.0000	0.320000	113	89 - 143	23.3	20	R
Vinyl chloride	21.9100	0.50	0.13	20.0000	ND	110	50 - 148	3.72	20	
Surrogate: 1,2-Dichloroethane-d4	*26.49*			*25.0000*		*106*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.35*			*25.0000*		*105*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.38*			*25.0000*		*102*	*78 - 129*			
Surrogate: Toluene-d8	*25.81*			*25.0000*		*103*	*84 - 117*			

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 : 01/27/2021

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 B1A0100 - MSSEMI_W										
Blank (B1A0100-BLK1)					Prepared: 1/11/2021 Analyzed: 1/12/2021					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*43.46*			*100.000*		*43.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*54.88*			*100.000*		*54.9*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*91.04*			*100.000*		*91.0*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*34.48*			*100.000*		*34.5*	*13 - 150*			
LCS (B1A0100-BS1)					Prepared: 1/11/2021 Analyzed: 1/12/2021					
1,4-Dioxane	109.370	2.0	0.84	100.000		109	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*43.46*			*100.000*		*43.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*63.61*			*100.000*		*63.6*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*91.80*			*100.000*		*91.8*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*40.37*			*100.000*		*40.4*	*13 - 150*			
LCS Dup (B1A0100-BSD1)					Prepared: 1/11/2021 Analyzed: 1/12/2021					
1,4-Dioxane	103.720	2.0	0.84	100.000		104	75 - 155	5.30	20	
Surrogate: 1,2-Dichlorobenzene-d	*43.48*			*100.000*		*43.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*65.80*			*100.000*		*65.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*93.84*			*100.000*		*93.8*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*42.10*			*100.000*		*42.1*	*13 - 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 : 01/27/2021

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 B1A0077 - MSSEMI_W										
Blank (B1A0077-BLK1)					Prepared: 1/8/2021 Analyzed: 1/11/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.5804*			*1.00000*		*58.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9510*			*1.00000*		*95.1*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8703*			*1.00000*		*87.0*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6468*			*1.00000*		*64.7*	*15 - 121*			
LCS (B1A0077-BS1)					Prepared: 1/8/2021 Analyzed: 1/11/2021					
1,4-Dioxane	2.91524	0.20	0.05	1.00000		292	75 - 155			L5
Surrogate: 1,2-Dichlorobenzene-d	*0.6432*			*1.00000*		*64.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.009*			*1.00000*		*101*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8237*			*1.00000*		*82.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6868*			*1.00000*		*68.7*	*15 - 121*			
LCS Dup (B1A0077-BSD1)					Prepared: 1/8/2021 Analyzed: 1/11/2021					
1,4-Dioxane	3.22489	0.20	0.05	1.00000		322	75 - 155	10.1	20	L5
Surrogate: 1,2-Dichlorobenzene-d	*0.6343*			*1.00000*		*63.4*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.044*			*1.00000*		*104*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8455*			*1.00000*		*84.6*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6974*			*1.00000*		*69.7*	*15 - 121*			

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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.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
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

2100029

Date: 1/7/2021
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

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 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
2100029-01	TB-010721	1/7/2021	8:00		X	X			X	2						X								X						X			
-02	CEFF	1/7/2021	11:47	X		X			X	3					1	X							X	X						X			
03	CBT	1/7/2021	11:54	X		X			X	3					1	X							X	X						X			
04	POX	1/7/2021	12:00	X		X			X	X	5	1	1			1	X	X		X	X			X	X						X			
05	PF	1/7/2021	12:10	X					X	X	2		1	1	1					X	X	X	X								X			
06	INF	1/7/2021	12:21	X		X				X	3	2				1	X	X	X					X				X			X			
07	EW-02	1/7/2021	12:56	X		X				X	3	1				1	X		X					X			X				X			
08	MW-29	1/7/2021	13:18	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
H+A	1-7-21 1343	H&A	1-7-21 1343
H&A	1-7-21 1536	H+L	1/7/21 15:36

3.6 Temperature on receipt

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

Laboratory
Advanced Technology Laboratories
Attn: Tina Nguyen
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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. Consult project QA documents for specific instructions.

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

2100029

Date: 01/07/21
Page 1 of 1

PROJECT: Raytheon Main GETS Lab Requested QC

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

LAB ID	SAMPLE ID	SAMPLE COLLECTION 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: 500 Ml Poly	CONTAINERS: 250 mL Glass	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 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
	CBT-QC	1/7/2021	11:54	X						X						1									X	X						X			
	POX-QC	1/7/2021	12:00	X		X			X	X	4					1	X				X				X	X						X			Samples are included per
	INF-QC	1/7/2021	12:21	X						X						1								X			X					X			laboratory request for QC
	EW-02-QC	1/7/2021	12:56	X						X						1								X			X					X			purposes. Do not include
																																			samples or results
																																			in final report.

element

9240 Santa Fe Springs Road
Santa Fe Springs, CA
90670 USA

P: 1 562 948 2225
F: 1 562 948 5850
info.santafesprings@element.com
element.com

Laboratory Report

January 25, 2021

Advanced Technology Laboratories
PO Box 92797
Long Beach, CA 90809-2797

Attn: Tina Nguyen

Element Job No:	244453
Purchase Order:	COD - CC
Project Name:	2100029 / Groundwater
Samples Received:	2
Date Received:	01-08-2021

Analysis	Page
Bromate by SOP 5600, Rev 4	2

Michael Shelton
Technical Director

Cathy Moore Ph.D
Principal 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.
The results given in this report apply only to the sample(s) provided and as received.

Bromate by SOP 5600, Rev. 4
Ion Chromatography-Tandem Mass Spectrometry

Sample preparation: An aliquot of sample was spiked with internal standard (bromate-$^{18}O_3$), and diluted with water. The sample solutions were analyzed using IC-MS/MS.

Parts Per Billion (µg/L)

Sample ID	Result
ATL Lab#: 2100029-04 / POX	ND
ATL Lab#: 2100029-06 / INF	ND
Method Blank	ND
Detection Limit	0.5

Date Analyzed: 01-18-2021

Quality Control Summary

Sample ID: ATL Lab#: 2100029-04 / POX

Units: Parts Per Billion (µg/L)

Analyte	Sample Result	Spike Conc	Spike Result	Spike % Rec	Spike Duplicate	Duplicate % Rec	RPD
Bromate	ND	5.00	4.71	94	5.84	117	21*
QC Guidelines				80-120		80-120	NMT 15

* Result is outside QC Guidelines. Sample results are ND and recoveries are acceptable; no action taken.

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All samples will be disposed of 30 days past invoice unless prior arrangements have been made.
The results given in this report apply only to the sample(s) provided and as received.

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2100029

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Tina Nguyen
(Tina.Nguyen@atlglobal.com)
Sampler: Ruben Sanchez

RECEIVING LABORATORY:

Element Materials Technology
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Phone :(562) 948-2225
Fax: (562) 948-5850
PO#: SC14996-STANDARD-TAT

IMPORTANT : Please include Work Order # and PO # in your invoice.

QC Requirements:

- [x] Routine
- [ ] RWQCB
- [ ] Caltrans
- [ ] Level IV*
- [ ] Legal
- [ ] Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

EDD Requirements:

- [ ] Standard Excel
- [ ] Geotracker EDF
- [ ] Other:

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 2100029-04 POX		**Groundwater**	**01/07/21 12:00**	
Bromate_ICMS/MS_SUB	**01/22/21 17:00**	02/04/21 12:00		
[Bromate by IC-MS/MS]				
1-Poly Unpres - 125mL				
ATL Lab#: 2100029-06 INF		**Groundwater**	**01/07/21 12:21**	
Bromate_ICMS/MS_SUB	**01/22/21 17:00**	02/04/21 12:21		
[Bromate by IC-MS/MS]				
1-Poly Unpres - 125mL				

01-08-2021 @ 0815 has D

Approved by: Tina Nguyen	1/7/21				
ATL Project Manager	Date				
Released By ATL Sample Control	1/8/21	9:26	Received By Courier	1/8/21	9:30
Released By Courier	1/8/21	10:44	Received By Subcontract Laboratory	1/8/21	10:44
Released By	Date	Time	Received By	Date	Time

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244453

January 28, 2021

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 : 2100109
Client Reference : Raytheon Main GETS Mid Month Sample 532.15

Enclosed are the results for sample(s) received on January 21, 2021 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,

Edgar P. Caballero
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 :	01/28/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-012121	2100109-01	Lab Prepared Water	1/21/21 8:00	1/21/21 15:57
CEFF	2100109-02	Groundwater	1/21/21 10:10	1/21/21 15:57
CBT	2100109-03	Groundwater	1/21/21 10:18	1/21/21 15:57
POX	2100109-04	Groundwater	1/21/21 10:21	1/21/21 15:57
INF	2100109-05	Groundwater	1/21/21 10:25	1/21/21 15:57
EW-02	2100109-06	Groundwater	1/21/21 11:05	1/21/21 15:57
MW-29	2100109-07	Groundwater	1/21/21 11:30	1/21/21 15:57

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 : 01/28/2021

Client Sample ID: TB-012121

Lab ID: 2100109-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,1,2-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,1-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,1-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	

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 : 01/28/2021

Client Sample ID: TB-012121

Lab ID: 2100109-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 19:52	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 19:52	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Trichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Trichlorofluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 19:52	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 19:52*	
Surrogate: 4-Bromofluorobenzene	*89.9 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 19:52*	
Surrogate: Dibromofluoromethane	*106 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 19:52*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 19:52*	

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 : 01/28/2021

Client Sample ID: CEFF

Lab ID: 2100109-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,1,2-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,1-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,1-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	

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 : 01/28/2021

Client Sample ID: CEFF

Lab ID: 2100109-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 20:12	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 20:12	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Trichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Trichlorofluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:12	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 20:12*	
Surrogate: 4-Bromofluorobenzene	*87.0 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 20:12*	
Surrogate: Dibromofluoromethane	*111 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 20:12*	
Surrogate: Toluene-d8	*98.4 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 20:12*	

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 : 01/28/2021

Client Sample ID: CEFF

Lab ID: 2100109-02

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1A0315	01/22/2021	01/22/21 18:57	
Surrogate: 1,2-Dichlorobenzene-d4	*68.0 %*		*13 - 99*		B1A0315	01/22/2021	*01/22/21 18:57*	
Surrogate: 2-Fluorobiphenyl	*104 %*		*8 - 111*		B1A0315	01/22/2021	*01/22/21 18:57*	
Surrogate: 4-Terphenyl-d14	*85.1 %*		*12 - 113*		B1A0315	01/22/2021	*01/22/21 18:57*	
Surrogate: Nitrobenzene-d5	*63.2 %*		*15 - 121*		B1A0315	01/22/2021	*01/22/21 18:57*	

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 : 01/28/2021

Client Sample ID: CBT

Lab ID: 2100109-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,1,2-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,1-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,1-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	

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 : 01/28/2021

Client Sample ID: CBT

Lab ID: 2100109-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 20:33	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 20:33	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Trichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Trichlorofluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:33	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 20:33*	
Surrogate: 4-Bromofluorobenzene	*88.4 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 20:33*	
Surrogate: Dibromofluoromethane	*118 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 20:33*	
Surrogate: Toluene-d8	*102 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 20:33*	

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 : 01/28/2021

Client Sample ID: CBT

Lab ID: 2100109-03

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1A0315	01/22/2021	01/22/21 19:23	
Surrogate: 1,2-Dichlorobenzene-d4	*70.1 %*		*13 - 99*		B1A0315	01/22/2021	*01/22/21 19:23*	
Surrogate: 2-Fluorobiphenyl	*104 %*		*8 - 111*		B1A0315	01/22/2021	*01/22/21 19:23*	
Surrogate: 4-Terphenyl-d14	*81.3 %*		*12 - 113*		B1A0315	01/22/2021	*01/22/21 19:23*	
Surrogate: Nitrobenzene-d5	*65.1 %*		*15 - 121*		B1A0315	01/22/2021	*01/22/21 19:23*	

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 : 01/28/2021

Client Sample ID: POX

Lab ID: 2100109-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,1,2-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,1-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,1-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	

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 : 01/28/2021

Client Sample ID: POX

Lab ID: 2100109-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 20:53	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 20:53	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Trichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Trichlorofluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 20:53	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 20:53*	
Surrogate: 4-Bromofluorobenzene	*91.7 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 20:53*	
Surrogate: Dibromofluoromethane	*113 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 20:53*	
Surrogate: Toluene-d8	*98.2 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 20:53*	

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 : 01/28/2021

Client Sample ID: POX

Lab ID: 2100109-04

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1A0315	01/22/2021	01/22/21 19:49	
Surrogate: 1,2-Dichlorobenzene-d4	*69.9 %*		*13 - 99*		B1A0315	01/22/2021	*01/22/21 19:49*	
Surrogate: 2-Fluorobiphenyl	*105 %*		*8 - 111*		B1A0315	01/22/2021	*01/22/21 19:49*	
Surrogate: 4-Terphenyl-d14	*85.9 %*		*12 - 113*		B1A0315	01/22/2021	*01/22/21 19:49*	
Surrogate: Nitrobenzene-d5	*65.1 %*		*15 - 121*		B1A0315	01/22/2021	*01/22/21 19:49*	

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 : 01/28/2021

Client Sample ID: INF

Lab ID: 2100109-05

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,1,2-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,1-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,1-Dichloroethene	**51**	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	

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 : 01/28/2021

Client Sample ID: INF

Lab ID: 2100109-05

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 21:13	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 21:13	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Trichloroethene	**0.64**	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Trichlorofluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:13	
Surrogate: 1,2-Dichloroethane-d4	*125 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 21:13*	
Surrogate: 4-Bromofluorobenzene	*91.1 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 21:13*	
Surrogate: Dibromofluoromethane	*113 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 21:13*	
Surrogate: Toluene-d8	*109 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 21:13*	

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 : 01/28/2021

Client Sample ID: INF

Lab ID: 2100109-05

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**28**	2.0	1	B1A0318	01/22/2021	01/27/21 16:31	
Surrogate: 1,2-Dichlorobenzene-d4	*56.7 %*		*17 - 119*		B1A0318	01/22/2021	*01/27/21 16:31*	
Surrogate: 2-Fluorobiphenyl	*64.6 %*		*10 - 133*		B1A0318	01/22/2021	*01/27/21 16:31*	
Surrogate: 4-Terphenyl-d14	*63.1 %*		*5 - 139*		B1A0318	01/22/2021	*01/27/21 16:31*	
Surrogate: Nitrobenzene-d5	*63.9 %*		*13 - 150*		B1A0318	01/22/2021	*01/27/21 16:31*	

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 : 01/28/2021

Client Sample ID: EW-02

Lab ID: 2100109-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,1,2-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,1-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,1-Dichloroethene	**15**	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	

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 : 01/28/2021

Client Sample ID: EW-02

Lab ID: 2100109-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 21:33	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 21:33	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Trichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Trichlorofluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:33	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 21:33*	
Surrogate: 4-Bromofluorobenzene	*86.7 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 21:33*	
Surrogate: Dibromofluoromethane	*112 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 21:33*	
Surrogate: Toluene-d8	*97.5 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 21:33*	

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 : 01/28/2021

Client Sample ID: EW-02

Lab ID: 2100109-06

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**8.5**	2.0	1	B1A0318	01/22/2021	01/27/21 16:57	
Surrogate: 1,2-Dichlorobenzene-d4	*62.2 %*		*17 - 119*		B1A0318	01/22/2021	*01/27/21 16:57*	
Surrogate: 2-Fluorobiphenyl	*69.8 %*		*10 - 133*		B1A0318	01/22/2021	*01/27/21 16:57*	
Surrogate: 4-Terphenyl-d14	*66.6 %*		*5 - 139*		B1A0318	01/22/2021	*01/27/21 16:57*	
Surrogate: Nitrobenzene-d5	*65.8 %*		*13 - 150*		B1A0318	01/22/2021	*01/27/21 16:57*	

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 : 01/28/2021

Client Sample ID: MW-29

Lab ID: 2100109-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,1,1-Trichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,1,2-Trichloroethane	**0.64**	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,1-Dichloroethane	**1.4**	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,1-Dichloroethene	**170**	5.0	10	B1A0277	01/21/2021	01/21/21 22:13	
1,1-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2,3-Trichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2,3-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2,4-Trichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2,4-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2-Dibromoethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2-Dichloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,3,5-Trimethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,3-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,3-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
1,4-Dichlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
2,2-Dichloropropane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
2-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
4-Chlorotoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
4-Isopropyltoluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Benzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Bromobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Bromodichloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Bromoform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Bromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Carbon tetrachloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Chlorobenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Chloroethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Chloroform	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Chloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
cis-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
cis-1,3-Dichloropropene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Dibromochloromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	

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 : 01/28/2021

Client Sample ID: MW-29

Lab ID: 2100109-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Dichlorodifluoromethane	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Ethylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Hexachlorobutadiene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Isopropylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
m,p-Xylene	ND	1.0	1	B1A0277	01/21/2021	01/21/21 21:53	
Methylene chloride	ND	1.0	1	B1A0277	01/21/2021	01/21/21 21:53	
n-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
n-Propylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Naphthalene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
o-Xylene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
sec-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Styrene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
tert-Butylbenzene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Tetrachloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Toluene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
trans-1,2-Dichloroethene	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Trichloroethene	**2.0**	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Trichlorofluoromethane	**0.96**	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Vinyl chloride	ND	0.50	1	B1A0277	01/21/2021	01/21/21 21:53	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 22:13*	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*64 - 155*		B1A0277	01/21/2021	*01/21/21 21:53*	
Surrogate: 4-Bromofluorobenzene	*87.4 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 21:53*	
Surrogate: 4-Bromofluorobenzene	*93.2 %*	*73 - 124*		B1A0277	01/21/2021	*01/21/21 22:13*	
Surrogate: Dibromofluoromethane	*108 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 22:13*	
Surrogate: Dibromofluoromethane	*110 %*	*78 - 129*		B1A0277	01/21/2021	*01/21/21 21:53*	
Surrogate: Toluene-d8	*98.6 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 22:13*	
Surrogate: Toluene-d8	*101 %*	*84 - 117*		B1A0277	01/21/2021	*01/21/21 21:53*	

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 : 01/28/2021

Client Sample ID: MW-29

Lab ID: 2100109-07

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**88**	2.0	1	B1A0318	01/22/2021	01/27/21 17:22	
Surrogate: 1,2-Dichlorobenzene-d4	*58.3 %*		*17 - 119*		B1A0318	01/22/2021	*01/27/21 17:22*	
Surrogate: 2-Fluorobiphenyl	*66.4 %*		*10 - 133*		B1A0318	01/22/2021	*01/27/21 17:22*	
Surrogate: 4-Terphenyl-d14	*67.1 %*		*5 - 139*		B1A0318	01/22/2021	*01/27/21 17:22*	
Surrogate: Nitrobenzene-d5	*62.8 %*		*13 - 150*		B1A0318	01/22/2021	*01/27/21 17:22*	

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 : 01/28/2021

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 B1A0277 - MSVOA_LL_W										
Blank (B1A0277-BLK1)					Prepared: 1/21/2021 Analyzed: 1/21/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

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 : 01/28/2021

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 B1A0277 - MSVOA_LL_W (continued)										
Blank (B1A0277-BLK1) - Continued					Prepared: 1/21/2021 Analyzed: 1/21/2021					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*31.03*			*25.0000*		*124*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*22.26*			*25.0000*		*89.0*	*73 - 124*			
Surrogate: Dibromofluoromethan	*28.65*			*25.0000*		*115*	*78 - 129*			
Surrogate: Toluene-d8	*26.31*			*25.0000*		*105*	*84 - 117*			
LCS (B1A0277-BS1)					Prepared: 1/21/2021 Analyzed: 1/21/2021					
1,1,1,2-Tetrachloroethane	19.7100	0.50	0.11	20.0000		98.6	79 - 116			
1,1,1-Trichloroethane	20.3000	0.50	0.21	20.0000		102	73 - 130			
1,1,2,2-Tetrachloroethane	20.2000	0.50	0.36	20.0000		101	71 - 122			
1,1,2-Trichloroethane	20.8900	0.50	0.25	20.0000		104	70 - 124			
1,1-Dichloroethane	20.8900	0.50	0.09	20.0000		104	69 - 128			
1,1-Dichloroethene	20.6800	0.50	0.13	20.0000		103	65 - 137			
1,1-Dichloropropene	19.5900	0.50	0.13	20.0000		98.0	74 - 129			
1,2,3-Trichloropropane	20.8800	0.50	0.39	20.0000		104	74 - 123			
1,2,3-Trichlorobenzene	19.0300	0.50	0.18	20.0000		95.2	59 - 130			
1,2,4-Trichlorobenzene	19.4200	0.50	0.16	20.0000		97.1	65 - 125			
1,2,4-Trimethylbenzene	19.4800	0.50	0.14	20.0000		97.4	88 - 124			
1,2-Dibromo-3-chloropropane	22.1800	0.50	0.41	20.0000		111	61 - 127			
1,2-Dibromoethane	19.2900	0.50	0.24	20.0000		96.4	72 - 125			
1,2-Dichlorobenzene	20.9400	0.50	0.20	20.0000		105	84 - 113			
1,2-Dichloroethane	20.2100	0.50	0.20	20.0000		101	68 - 130			
1,2-Dichloropropane	21.0900	0.50	0.15	20.0000		105	77 - 121			
1,3,5-Trimethylbenzene	22.2800	0.50	0.13	20.0000		111	83 - 124			

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 : 01/28/2021

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 B1A0277 - MSVOA_LL_W (continued)										
LCS (B1A0277-BS1) - Continued					Prepared: 1/21/2021 Analyzed: 1/21/2021					
1,3-Dichlorobenzene	20.3900	0.50	0.16	20.0000		102	83 - 112			
1,3-Dichloropropane	19.6600	0.50	0.21	20.0000		98.3	77 - 119			
1,4-Dichlorobenzene	20.3800	0.50	0.17	20.0000		102	79 - 115			
2,2-Dichloropropane	21.1800	0.50	0.38	20.0000		106	67 - 149			
2-Chlorotoluene	20.9900	0.50	0.11	20.0000		105	81 - 119			
4-Chlorotoluene	21.8600	0.50	0.12	20.0000		109	86 - 117			
4-Isopropyltoluene	22.4400	0.50	0.11	20.0000		112	82 - 131			
Benzene	20.7800	0.50	0.13	20.0000		104	75 - 124			
Bromobenzene	19.4700	0.50	0.21	20.0000		97.4	82 - 108			
Bromodichloromethane	20.8500	0.50	0.14	20.0000		104	80 - 120			
Bromoform	18.8400	0.50	0.20	20.0000		94.2	70 - 123			
Bromomethane	16.4300	0.50	0.40	20.0000		82.2	44 - 151			
Carbon tetrachloride	21.4000	0.50	0.09	20.0000		107	62 - 140			
Chlorobenzene	19.5100	0.50	0.13	20.0000		97.6	80 - 112			
Chloroethane	17.9100	0.50	0.15	20.0000		89.6	42 - 167			
Chloroform	20.7000	0.50	0.11	20.0000		104	77 - 122			
Chloromethane	17.6600	0.50	0.12	20.0000		88.3	33 - 153			
cis-1,2-Dichloroethene	20.1600	0.50	0.14	20.0000		101	75 - 121			
cis-1,3-Dichloropropene	18.3300	0.50	0.13	20.0000		91.6	73 - 127			
Dibromochloromethane	19.3700	0.50	0.16	20.0000		96.8	77 - 122			
Dibromomethane	19.5100	0.50	0.19	20.0000		97.6	75 - 121			
Dichlorodifluoromethane	16.6900	0.50	0.18	20.0000		83.4	0 - 171			
Ethylbenzene	21.1400	0.50	0.13	20.0000		106	82 - 119			
Hexachlorobutadiene	20.5600	0.50	0.15	20.0000		103	71 - 131			
Isopropylbenzene	20.9500	0.50	0.10	20.0000		105	75 - 126			
m,p-Xylene	41.4600	1.0	0.19	40.0000		104	86 - 119			
Methylene chloride	21.9700	1.0	0.71	20.0000		110	76 - 125			
n-Butylbenzene	19.3900	0.50	0.11	20.0000		97.0	81 - 125			
n-Propylbenzene	22.1000	0.50	0.10	20.0000		110	78 - 130			
Naphthalene	15.7700	0.50	0.41	20.0000		78.8	47 - 128			
o-Xylene	21.6700	0.50	0.13	20.0000		108	85 - 119			
sec-Butylbenzene	23.2800	0.50	0.09	20.0000		116	78 - 130			
Styrene	18.8000	0.50	0.13	20.0000		94.0	62 - 148			
tert-Butylbenzene	21.7800	0.50	0.09	20.0000		109	77 - 125			
Tetrachloroethene	19.2200	0.50	0.10	20.0000		96.1	73 - 120			
Toluene	21.1100	0.50	0.12	20.0000		106	79 - 119			
trans-1,2-Dichloroethene	20.9200	0.50	0.09	20.0000		105	70 - 129			
Trichloroethene	21.2400	0.50	0.10	20.0000		106	73 - 117			
Trichlorofluoromethane	14.7500	0.50	0.23	20.0000		73.8	59 - 135			
Vinyl chloride	17.6500	0.50	0.13	20.0000		88.2	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*25.96*			*25.0000*		*104*	*64 - 155*			

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 : 01/28/2021

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 B1A0277 - MSVOA_LL_W (continued)										
LCS (B1A0277-BS1) - Continued						Prepared: 1/21/2021 Analyzed: 1/21/2021				
Surrogate: 4-Bromofluorobenzene	*24.58*			*25.0000*		*98.3*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.14*			*25.0000*		*105*	*78 - 129*			
Surrogate: Toluene-d8	*26.29*			*25.0000*		*105*	*84 - 117*			
LCS Dup (B1A0277-BSD1)						Prepared: 1/21/2021 Analyzed: 1/21/2021				
1,1,1,2-Tetrachloroethane	19.6800	0.50	0.11	20.0000		98.4	79 - 116	0.152	20	
1,1,1-Trichloroethane	19.4700	0.50	0.21	20.0000		97.4	73 - 130	4.17	20	
1,1,2,2-Tetrachloroethane	19.1600	0.50	0.36	20.0000		95.8	71 - 122	5.28	20	
1,1,2-Trichloroethane	20.8400	0.50	0.25	20.0000		104	70 - 124	0.240	20	
1,1-Dichloroethane	20.4200	0.50	0.09	20.0000		102	69 - 128	2.28	20	
1,1-Dichloroethene	19.3100	0.50	0.13	20.0000		96.6	65 - 137	6.85	20	
1,1-Dichloropropene	19.2800	0.50	0.13	20.0000		96.4	74 - 129	1.60	20	
1,2,3-Trichloropropane	20.4900	0.50	0.39	20.0000		102	74 - 123	1.89	20	
1,2,3-Trichlorobenzene	19.1400	0.50	0.18	20.0000		95.7	59 - 130	0.576	20	
1,2,4-Trichlorobenzene	19.1100	0.50	0.16	20.0000		95.6	65 - 125	1.61	20	
1,2,4-Trimethylbenzene	19.1400	0.50	0.14	20.0000		95.7	88 - 124	1.76	20	
1,2-Dibromo-3-chloropropane	23.2500	0.50	0.41	20.0000		116	61 - 127	4.71	20	
1,2-Dibromoethane	20.2100	0.50	0.24	20.0000		101	72 - 125	4.66	20	
1,2-Dichlorobenzene	20.3100	0.50	0.20	20.0000		102	84 - 113	3.05	20	
1,2-Dichloroethane	19.8100	0.50	0.20	20.0000		99.0	68 - 130	2.00	20	
1,2-Dichloropropane	21.1900	0.50	0.15	20.0000		106	77 - 121	0.473	20	
1,3,5-Trimethylbenzene	21.1800	0.50	0.13	20.0000		106	83 - 124	5.06	20	
1,3-Dichlorobenzene	19.6600	0.50	0.16	20.0000		98.3	83 - 112	3.65	20	
1,3-Dichloropropane	20.3300	0.50	0.21	20.0000		102	77 - 119	3.35	20	
1,4-Dichlorobenzene	19.7100	0.50	0.17	20.0000		98.6	79 - 115	3.34	20	
2,2-Dichloropropane	20.6000	0.50	0.38	20.0000		103	67 - 149	2.78	20	
2-Chlorotoluene	19.6100	0.50	0.11	20.0000		98.0	81 - 119	6.80	20	
4-Chlorotoluene	20.7500	0.50	0.12	20.0000		104	86 - 117	5.21	20	
4-Isopropyltoluene	22.0500	0.50	0.11	20.0000		110	82 - 131	1.75	20	
Benzene	20.5400	0.50	0.13	20.0000		103	75 - 124	1.16	20	
Bromobenzene	19.1600	0.50	0.21	20.0000		95.8	82 - 108	1.60	20	
Bromodichloromethane	20.7700	0.50	0.14	20.0000		104	80 - 120	0.384	20	
Bromoform	18.7600	0.50	0.20	20.0000		93.8	70 - 123	0.426	20	
Bromomethane	16.7000	0.50	0.40	20.0000		83.5	44 - 151	1.63	20	
Carbon tetrachloride	20.9100	0.50	0.09	20.0000		105	62 - 140	2.32	20	
Chlorobenzene	19.1600	0.50	0.13	20.0000		95.8	80 - 112	1.81	20	
Chloroethane	17.5800	0.50	0.15	20.0000		87.9	42 - 167	1.86	20	
Chloroform	20.7100	0.50	0.11	20.0000		104	77 - 122	0.0483	20	
Chloromethane	16.8800	0.50	0.12	20.0000		84.4	33 - 153	4.52	20	
cis-1,2-Dichloroethene	20.2800	0.50	0.14	20.0000		101	75 - 121	0.593	20	
cis-1,3-Dichloropropene	18.7700	0.50	0.13	20.0000		93.8	73 - 127	2.37	20	
Dibromochloromethane	19.6200	0.50	0.16	20.0000		98.1	77 - 122	1.28	20	

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 : 01/28/2021

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 B1A0277 - MSVOA_LL_W (continued)										
LCS Dup (B1A0277-BSD1) - Continued					Prepared: 1/21/2021 Analyzed: 1/21/2021					
Dibromomethane	19.9300	0.50	0.19	20.0000		99.6	75 - 121	2.13	20	
Dichlorodifluoromethane	15.6700	0.50	0.18	20.0000		78.4	0 - 171	6.30	20	
Ethylbenzene	21.1900	0.50	0.13	20.0000		106	82 - 119	0.236	20	
Hexachlorobutadiene	19.4000	0.50	0.15	20.0000		97.0	71 - 131	5.81	20	
Isopropylbenzene	20.0300	0.50	0.10	20.0000		100	75 - 126	4.49	20	
m,p-Xylene	41.8400	1.0	0.19	40.0000		105	86 - 119	0.912	20	
Methylene chloride	21.7500	1.0	0.71	20.0000		109	76 - 125	1.01	20	
n-Butylbenzene	18.2600	0.50	0.11	20.0000		91.3	81 - 125	6.00	20	
n-Propylbenzene	21.0000	0.50	0.10	20.0000		105	78 - 130	5.10	20	
Naphthalene	16.5400	0.50	0.41	20.0000		82.7	47 - 128	4.77	20	
o-Xylene	21.5700	0.50	0.13	20.0000		108	85 - 119	0.463	20	
sec-Butylbenzene	21.9400	0.50	0.09	20.0000		110	78 - 130	5.93	20	
Styrene	19.1300	0.50	0.13	20.0000		95.6	62 - 148	1.74	20	
tert-Butylbenzene	20.7100	0.50	0.09	20.0000		104	77 - 125	5.04	20	
Tetrachloroethene	19.6300	0.50	0.10	20.0000		98.2	73 - 120	2.11	20	
Toluene	20.7000	0.50	0.12	20.0000		104	79 - 119	1.96	20	
trans-1,2-Dichloroethene	20.3000	0.50	0.09	20.0000		102	70 - 129	3.01	20	
Trichloroethene	19.9000	0.50	0.10	20.0000		99.5	73 - 117	6.51	20	
Trichlorofluoromethane	18.5200	0.50	0.23	20.0000		92.6	59 - 135	22.7	20	R
Vinyl chloride	16.9300	0.50	0.13	20.0000		84.6	58 - 132	4.16	20	
Surrogate: 1,2-Dichloroethane-d4	*25.14*			*25.0000*		*101*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.84*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*25.33*			*25.0000*		*101*	*78 - 129*			
Surrogate: Toluene-d8	*25.98*			*25.0000*		*104*	*84 - 117*			

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 : 01/28/2021

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 B1A0318 - MSSEMI_W										
Blank (B1A0318-BLK1)					Prepared: 1/22/2021 Analyzed: 1/27/2021					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*49.96*			*100.000*		*50.0*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*58.80*			*100.000*		*58.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.87*			*100.000*		*67.9*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*59.50*			*100.000*		*59.5*	*13 - 150*			
LCS (B1A0318-BS1)					Prepared: 1/22/2021 Analyzed: 1/27/2021					
1,4-Dioxane	111.000	2.0	0.84	100.000		111	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*50.43*			*100.000*		*50.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*71.86*			*100.000*		*71.9*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*77.25*			*100.000*		*77.2*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*69.30*			*100.000*		*69.3*	*13 - 150*			
LCS Dup (B1A0318-BSD1)					Prepared: 1/22/2021 Analyzed: 1/27/2021					
1,4-Dioxane	86.9300	2.0	0.84	100.000		86.9	75 - 155	24.3	20	R2
Surrogate: 1,2-Dichlorobenzene-d	*51.50*			*100.000*		*51.5*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*72.98*			*100.000*		*73.0*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*75.56*			*100.000*		*75.6*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*68.68*			*100.000*		*68.7*	*13 - 150*			

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 : 01/28/2021

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 B1A0315 - MSSEMI_W										
Blank (B1A0315-BLK1)					Prepared: 1/22/2021 Analyzed: 1/22/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.7432*			*1.00000*		*74.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.141*			*1.00000*		*114*	*8 - 111*			S1
Surrogate: 4-Terphenyl-d14	*1.126*			*1.00000*		*113*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.7116*			*1.00000*		*71.2*	*15 - 121*			
LCS (B1A0315-BS1)					Prepared: 1/22/2021 Analyzed: 1/22/2021					
1,4-Dioxane	2.13227	0.20	0.05	1.00000		213	75 - 155			L5
Surrogate: 1,2-Dichlorobenzene-d	*0.6767*			*1.00000*		*67.7*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.011*			*1.00000*		*101*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8422*			*1.00000*		*84.2*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6669*			*1.00000*		*66.7*	*15 - 121*			
LCS Dup (B1A0315-BSD1)					Prepared: 1/22/2021 Analyzed: 1/22/2021					
1,4-Dioxane	2.18102	0.20	0.05	1.00000		218	75 - 155	2.26	20	L5
Surrogate: 1,2-Dichlorobenzene-d	*0.7157*			*1.00000*		*71.6*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.105*			*1.00000*		*110*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8853*			*1.00000*		*88.5*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.7096*			*1.00000*		*71.0*	*15 - 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 :	01/28/2021

Notes and Definitions

S1	Surrogate recovery was above laboratory acceptance limit. No associated target analyte was detected in the sample.
R2	RPD value outside acceptance criteria due to possible matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
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

2100109

Date: 01/21/2021
Page 1 of 1

PROJECT: Raytheon Main GETS Mid Month Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

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 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
2100109-01	TB-012121	1/21/2021	8:00		X	X			X	2						X									X						X			
02	CEFF	1/21/2021	10:10	X		X			X	3					1	X								X	X						X			
03	CBT	1/21/2021	10:18	X		X			X	3					1	X								X	X						X			
04	POX	1/21/2021	10:21	X		X			X	3					1	X								X	X						X			
05	INF	1/21/2021	10:25	X		X			X	3					1	X							X				X				X			
06	EW-02	1/21/2021	11:05	X		X			X	3					1	X							X			X					X			
07	MW-29	1/21/2021	11:30	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
H+A	1-21-20 1325	H+A	1-21-2021 13:25
H+A	15:48		1/21/2021 15:48

1.8 °C Temperature on receipt

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

Laboratory
Adcanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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 ×
Note applicable preservatives, special instructions, and deviations from typical environmental samples.
Consult project QA documents for specific instructions.

ADVANCED TECHNOLOGY LABORATORIES

February 25, 2021

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 : 2100259
Client Reference : Raytheon Main GETS Monthly Sample, 532.15

Enclosed are the results for sample(s) received on February 04, 2021 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,

Edgar P. Caballero
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 :	02/25/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-020421	2100259-01	Water	2/04/21 8:00	2/04/21 16:20
CEFF	2100259-02	Groundwater	2/04/21 8:20	2/04/21 16:20
CBT	2100259-03	Groundwater	2/04/21 8:25	2/04/21 16:20
POX	2100259-04	Groundwater	2/04/21 9:00	2/04/21 16:20
PF	2100259-05	Groundwater	2/04/21 9:15	2/04/21 16:20
INF	2100259-06	Groundwater	2/04/21 9:25	2/04/21 16:20
EW-02	2100259-07	Groundwater	2/04/21 10:15	2/04/21 16:20
MW-29	2100259-08	Groundwater	2/04/21 10:35	2/04/21 16:20

CASE NARRATIVE

Samples for Bromate by IC-MS/MS was subcontracted to Element Materials Technology with CA-ELAP Cert. 2652.

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 : 02/25/2021

Client Sample ID: TB-020421

Lab ID: 2100259-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,1,2-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,1-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,1-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	

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 : 02/25/2021

Client Sample ID: TB-020421

Lab ID: 2100259-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 17:33	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 17:33	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Tetrachloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Trichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Trichlorofluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:33	
Surrogate: 1,2-Dichloroethane-d4	*139 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 17:33*	
Surrogate: 4-Bromofluorobenzene	*85.8 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 17:33*	
Surrogate: Dibromofluoromethane	*121 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 17:33*	
Surrogate: Toluene-d8	*98.4 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 17:33*	

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 : 02/25/2021

Client Sample ID: CEFF

Lab ID: 2100259-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,1,2-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,1-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,1-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	

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 : 02/25/2021

Client Sample ID: CEFF

Lab ID: 2100259-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 17:54	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 17:54	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Tetrachloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Trichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Trichlorofluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 17:54	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 17:54*	
Surrogate: 4-Bromofluorobenzene	*89.7 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 17:54*	
Surrogate: Dibromofluoromethane	*116 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 17:54*	
Surrogate: Toluene-d8	*96.2 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 17:54*	

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 : 02/25/2021

Client Sample ID: CEFF

Lab ID: 2100259-02

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1B0156	02/08/2021	02/08/21 17:34	
Surrogate: 1,2-Dichlorobenzene-d4	*54.4 %*		*13 - 99*		B1B0156	02/08/2021	*02/08/21 17:34*	
Surrogate: 2-Fluorobiphenyl	*92.8 %*		*8 - 111*		B1B0156	02/08/2021	*02/08/21 17:34*	
Surrogate: 4-Terphenyl-d14	*74.0 %*		*12 - 113*		B1B0156	02/08/2021	*02/08/21 17:34*	
Surrogate: Nitrobenzene-d5	*69.9 %*		*15 - 121*		B1B0156	02/08/2021	*02/08/21 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 : 02/25/2021

Client Sample ID: CBT

Lab ID: 2100259-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,1,2-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,1-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,1-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	

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 : 02/25/2021

Client Sample ID: CBT

Lab ID: 2100259-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 18:14	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 18:14	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Tetrachloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Trichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Trichlorofluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:14	
Surrogate: 1,2-Dichloroethane-d4	*122 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 18:14*	
Surrogate: 4-Bromofluorobenzene	*92.1 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 18:14*	
Surrogate: Dibromofluoromethane	*114 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 18:14*	
Surrogate: Toluene-d8	*99.2 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 18:14*	

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 : 02/25/2021

Client Sample ID: CBT

Lab ID: 2100259-03

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1B0156	02/08/2021	02/08/21 18:00	
Surrogate: 1,2-Dichlorobenzene-d4	*62.2 %*		*13 - 99*		B1B0156	02/08/2021	*02/08/21 18:00*	
Surrogate: 2-Fluorobiphenyl	*101 %*		*8 - 111*		B1B0156	02/08/2021	*02/08/21 18:00*	
Surrogate: 4-Terphenyl-d14	*87.4 %*		*12 - 113*		B1B0156	02/08/2021	*02/08/21 18:00*	
Surrogate: Nitrobenzene-d5	*70.5 %*		*15 - 121*		B1B0156	02/08/2021	*02/08/21 18:00*	

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 : 02/25/2021

Client Sample ID: POX

Lab ID: 2100259-04

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	**42**	3.0	1	B1B0150	02/08/2021	02/08/21 12:46	

Volatile Organic Compounds by EPA 8260B

Analyst: KL

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,1,2-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,1-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,1-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	

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 : 02/25/2021

Client Sample ID: POX

Lab ID: 2100259-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 18:34	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 18:34	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Tetrachloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Trichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Trichlorofluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:34	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 18:34*	
Surrogate: 4-Bromofluorobenzene	*90.9 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 18:34*	

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 : 02/25/2021

Client Sample ID: POX

Lab ID: 2100259-04

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Dibromofluoromethane	*111 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 18:34*	
Surrogate: Toluene-d8	*102 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 18:34*	

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane	ND	0.20	1	B1B0156	02/08/2021	02/08/21 18:26	
Surrogate: 1,2-Dichlorobenzene-d4	*59.7 %*	*13 - 99*		B1B0156	02/08/2021	*02/08/21 18:26*	
Surrogate: 2-Fluorobiphenyl	*91.9 %*	*8 - 111*		B1B0156	02/08/2021	*02/08/21 18:26*	
Surrogate: 4-Terphenyl-d14	*82.1 %*	*12 - 113*		B1B0156	02/08/2021	*02/08/21 18:26*	
Surrogate: Nitrobenzene-d5	*65.5 %*	*15 - 121*		B1B0156	02/08/2021	*02/08/21 18:26*	

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 :	02/25/2021

Client Sample ID: PF

Lab ID: 2100259-05

UV Absorption by EPA 415.3

Analyst: SH

Analyte	Result (1/cm)	PQL (1/cm)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
UV Absorption	ND	0.01	1	B1B0136	02/05/2021	02/05/21 17:08	

Alkalinity, Speciated by SM 2320B

Analyst: AH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Alkalinity, Bicarbonate (as CaCO3)	**210**	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	
Alkalinity, Carbonate (as CaCO3)	ND	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	
Alkalinity, Total (as CaCO3)	**210**	5.0	1	B1B0140	02/05/2021	02/05/21 19:00	

Total Suspended Solids (Residue, Non-Filtrable) by SM 2540D

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Residue, Suspended	ND	2.0	1	B1B0192	02/10/2021	02/10/21 15:20	

Total Organic Carbon by SM 5310B

Analyst: SH

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Organic Carbon, Total	ND	3.0	1	B1B0150	02/08/2021	02/08/21 13:06	

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 : 02/25/2021

Client Sample ID: INF

Lab ID: 2100259-06

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B1B0191	02/09/2021	02/09/21 20:18	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,1,2-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,1-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,1-Dichloroethene	**51**	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	

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 : 02/25/2021

Client Sample ID: INF

Lab ID: 2100259-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 18:54	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 18:54	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Tetrachloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Trichloroethene	**0.64**	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Trichlorofluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 18:54	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 18:54*	
Surrogate: 4-Bromofluorobenzene	*92.7 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 18:54*	
Surrogate: Dibromofluoromethane	*111 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 18:54*	
Surrogate: Toluene-d8	*97.3 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 18:54*	

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 : 02/25/2021

Client Sample ID: INF

Lab ID: 2100259-06

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**26**	2.0	1	B1B0157	02/08/2021	02/08/21 18:48	
Surrogate: 1,2-Dichlorobenzene-d4	*57.8 %*		*17 - 119*		B1B0157	02/08/2021	*02/08/21 18:48*	
Surrogate: 2-Fluorobiphenyl	*65.2 %*		*10 - 133*		B1B0157	02/08/2021	*02/08/21 18:48*	
Surrogate: 4-Terphenyl-d14	*74.3 %*		*5 - 139*		B1B0157	02/08/2021	*02/08/21 18:48*	
Surrogate: Nitrobenzene-d5	*62.8 %*		*13 - 150*		B1B0157	02/08/2021	*02/08/21 18:48*	

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 : 02/25/2021

Client Sample ID: EW-02

Lab ID: 2100259-07

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B1B0191	02/09/2021	02/09/21 20:29	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,1,2-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,1-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,1-Dichloroethene	**15**	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	

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 : 02/25/2021

Client Sample ID: EW-02

Lab ID: 2100259-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 19:14	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 19:14	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Tetrachloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Trichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Trichlorofluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:14	
Surrogate: 1,2-Dichloroethane-d4	*128 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 19:14*	
Surrogate: 4-Bromofluorobenzene	*90.2 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 19:14*	
Surrogate: Dibromofluoromethane	*111 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 19:14*	
Surrogate: Toluene-d8	*100 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 19:14*	

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 : 02/25/2021

Client Sample ID: EW-02

Lab ID: 2100259-07

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**8.0**	2.0	1	B1B0157	02/08/2021	02/08/21 19:14	
Surrogate: 1,2-Dichlorobenzene-d4	*59.2 %*		*17 - 119*		B1B0157	02/08/2021	*02/08/21 19:14*	
Surrogate: 2-Fluorobiphenyl	*66.0 %*		*10 - 133*		B1B0157	02/08/2021	*02/08/21 19:14*	
Surrogate: 4-Terphenyl-d14	*74.0 %*		*5 - 139*		B1B0157	02/08/2021	*02/08/21 19:14*	
Surrogate: Nitrobenzene-d5	*63.3 %*		*13 - 150*		B1B0157	02/08/2021	*02/08/21 19:14*	

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 : 02/25/2021

Client Sample ID: MW-29

Lab ID: 2100259-08

Bromide by Ion Chromatography EPA 300 — **Analyst: AH**

Analyte	Result (mg/L)	PQL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromide	ND	0.05	1	B1B0191	02/09/2021	02/09/21 20:41	

Volatile Organic Compounds by EPA 8260B — **Analyst: KL**

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,1,1-Trichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,1,2-Trichloroethane	**0.73**	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,1-Dichloroethane	**1.8**	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,1-Dichloroethene	**220**	5.0	10	B1B0062	02/04/2021	02/04/21 19:54	
1,1-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2,3-Trichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2-Dibromoethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2-Dichloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,3-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,3-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
1,4-Dichlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
2,2-Dichloropropane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
2-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
4-Chlorotoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
4-Isopropyltoluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Benzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Bromobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Bromodichloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Bromoform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Bromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Carbon tetrachloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Chlorobenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	

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 : 02/25/2021

Client Sample ID: MW-29

Lab ID: 2100259-08

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Chloroethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Chloroform	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Chloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Dibromochloromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Dibromomethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Dichlorodifluoromethane	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Ethylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Hexachlorobutadiene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Isopropylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
m,p-Xylene	ND	1.0	1	B1B0062	02/04/2021	02/04/21 19:34	
Methylene chloride	ND	1.0	1	B1B0062	02/04/2021	02/04/21 19:34	
n-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
n-Propylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Naphthalene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
o-Xylene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
sec-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Styrene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
tert-Butylbenzene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Tetrachloroethene	**0.59**	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Toluene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Trichloroethene	**2.2**	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Trichlorofluoromethane	**1.3**	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Vinyl chloride	ND	0.50	1	B1B0062	02/04/2021	02/04/21 19:34	
Surrogate: 1,2-Dichloroethane-d4	*120 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 19:34*	
Surrogate: 1,2-Dichloroethane-d4	*143 %*	*64 - 155*		B1B0062	02/04/2021	*02/04/21 19:54*	
Surrogate: 4-Bromofluorobenzene	*88.6 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 19:54*	
Surrogate: 4-Bromofluorobenzene	*89.6 %*	*73 - 124*		B1B0062	02/04/2021	*02/04/21 19:34*	
Surrogate: Dibromofluoromethane	*116 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 19:54*	
Surrogate: Dibromofluoromethane	*117 %*	*78 - 129*		B1B0062	02/04/2021	*02/04/21 19:34*	
Surrogate: Toluene-d8	*99.8 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 19:54*	
Surrogate: Toluene-d8	*104 %*	*84 - 117*		B1B0062	02/04/2021	*02/04/21 19:34*	

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 : 02/25/2021

Client Sample ID: MW-29

Lab ID: 2100259-08

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**75**	2.0	1	B1B0157	02/08/2021	02/08/21 19:40	
Surrogate: 1,2-Dichlorobenzene-d4	*52.6 %*		*17 - 119*		B1B0157	02/08/2021	*02/08/21 19:40*	
Surrogate: 2-Fluorobiphenyl	*60.2 %*		*10 - 133*		B1B0157	02/08/2021	*02/08/21 19:40*	
Surrogate: 4-Terphenyl-d14	*72.4 %*		*5 - 139*		B1B0157	02/08/2021	*02/08/21 19:40*	
Surrogate: Nitrobenzene-d5	*58.1 %*		*13 - 150*		B1B0157	02/08/2021	*02/08/21 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 : 02/25/2021

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 B1B0140 - No_Prep_WC1_W										
Blank (B1B0140-BLK1)					Prepared: 2/5/2021 Analyzed: 2/5/2021					
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Carbonate (as CaCO3)	ND	5.0	3.4							
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	3.4							
Alkalinity, Total (as CaCO3)	ND	5.0	3.4							
LCS (B1B0140-BS1)					Prepared: 2/5/2021 Analyzed: 2/5/2021					
Alkalinity, Total (as CaCO3)	97.3400	5.0	3.4	99.9580		97.4	80 - 120			
Matrix Spike (B1B0140-MS1)			**Source: 2100259-05**		Prepared: 2/5/2021 Analyzed: 2/5/2021					
Alkalinity, Total (as CaCO3)	312.080	5.0	3.4	99.9580	212.630	99.5	80 - 120			
Matrix Spike Dup (B1B0140-MSD1)			**Source: 2100259-05**		Prepared: 2/5/2021 Analyzed: 2/5/2021					
Alkalinity, Total (as CaCO3)	312.920	5.0	3.4	99.9580	212.630	100	80 - 120	0.269	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 : 02/25/2021

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 B1B0192 - No_Prep_WC1_W										
Blank (B1B0192-BLK1)					Prepared: 2/10/2021 Analyzed: 2/10/2021					
Residue, Suspended	ND	1.0	1.0							
LCS (B1B0192-BS1)					Prepared: 2/10/2021 Analyzed: 2/10/2021					
Residue, Suspended	93.0000	10	10	100.000		93.0	80 - 120			
Duplicate (B1B0192-DUP1)			**Source: 2100261-01**		Prepared: 2/10/2021 Analyzed: 2/10/2021					
Residue, Suspended	47.5000	5.0	5.0		40.0000			17.1	10	R3

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 : 02/25/2021

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 B1B0191 - No_Prep_IC1_W										
Blank (B1B0191-BLK1)					Prepared: 2/9/2021 Analyzed: 2/9/2021					
Bromide	ND	0.05	0.02							
LCS (B1B0191-BS1)					Prepared: 2/9/2021 Analyzed: 2/9/2021					
Bromide	0.988300	0.05	0.02	1.00000		98.8	90 - 110			
Duplicate (B1B0191-DUP1)			**Source: 2100259-08**		Prepared: 2/9/2021 Analyzed: 2/9/2021					
Bromide	ND	0.05	0.02		ND			NR	20	
Matrix Spike (B1B0191-MS1)			**Source: 2100259-08**		Prepared: 2/9/2021 Analyzed: 2/9/2021					
Bromide	3.99530	0.05	0.02	2.50000	ND	160	80 - 120			M7
Matrix Spike Dup (B1B0191-MSD1)			**Source: 2100259-08**		Prepared: 2/9/2021 Analyzed: 2/9/2021					
Bromide	4.03470	0.05	0.02	2.50000	ND	161	80 - 120	0.981	20	M7

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 : 02/25/2021

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 B1B0136 - No_Prep_II_W										
Blank (B1B0136-BLK1)					Prepared: 2/5/2021 Analyzed: 2/5/2021					
UV Absorption	ND	0.01	0.01							
Duplicate (B1B0136-DUP1)			**Source: 2100259-05**		Prepared: 2/5/2021 Analyzed: 2/5/2021					
UV Absorption	ND	0.01	0.01		ND			NR	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 : 02/25/2021

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 B1B0150 - No_Prep_II_W										
Blank (B1B0150-BLK1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
Organic Carbon, Total	ND	3.0	1.3							
LCS (B1B0150-BS1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
Organic Carbon, Total	24.3600	3.0	1.3	25.0000		97.4	80 - 120			
Duplicate (B1B0150-DUP1)			**Source: 2100259-04**		Prepared: 2/8/2021 Analyzed: 2/8/2021					
Organic Carbon, Total	42.6000	3.0	1.3		42.0400			1.32	20	
Matrix Spike (B1B0150-MS1)			**Source: 2100259-04**		Prepared: 2/8/2021 Analyzed: 2/8/2021					
Organic Carbon, Total	61.9700	3.0	1.3	25.0000	42.0400	79.7	80 - 120			M2
Matrix Spike Dup (B1B0150-MSD1)			**Source: 2100259-04**		Prepared: 2/8/2021 Analyzed: 2/8/2021					
Organic Carbon, Total	62.4900	3.0	1.3	25.0000	42.0400	81.8	80 - 120	0.836	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 : 02/25/2021

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 B1B0062 - MSVOA_LL_W										
Blank (B1B0062-BLK1)							Prepared: 2/4/2021 Analyzed: 2/4/2021			
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main GETS Monthly Sample, 5
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0062 - MSVOA_LL_W (continued)										
Blank (B1B0062-BLK1) - Continued					Prepared: 2/4/2021 Analyzed: 2/4/2021					
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*26.90*			*25.0000*		*108*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*22.62*			*25.0000*		*90.5*	*73 - 124*			
Surrogate: Dibromofluoromethan	*26.92*			*25.0000*		*108*	*78 - 129*			
Surrogate: Toluene-d8	*24.69*			*25.0000*		*98.8*	*84 - 117*			
LCS (B1B0062-BS1)					Prepared: 2/4/2021 Analyzed: 2/4/2021					
1,1,1,2-Tetrachloroethane	20.8900	0.50	0.11	20.0000		104	79 - 116			
1,1,1-Trichloroethane	20.3700	0.50	0.21	20.0000		102	73 - 130			
1,1,2,2-Tetrachloroethane	21.2400	0.50	0.36	20.0000		106	71 - 122			
1,1,2-Trichloroethane	21.1200	0.50	0.25	20.0000		106	70 - 124			
1,1-Dichloroethane	21.9300	0.50	0.09	20.0000		110	69 - 128			
1,1-Dichloroethene	23.0400	0.50	0.13	20.0000		115	65 - 137			
1,1-Dichloropropene	21.7100	0.50	0.13	20.0000		109	74 - 129			
1,2,3-Trichloropropane	19.8000	0.50	0.39	20.0000		99.0	74 - 123			
1,2,3-Trichlorobenzene	19.2700	0.50	0.18	20.0000		96.4	59 - 130			
1,2,4-Trichlorobenzene	16.1700	0.50	0.16	20.0000		80.8	65 - 125			
1,2,4-Trimethylbenzene	20.2600	0.50	0.14	20.0000		101	88 - 124			
1,2-Dibromo-3-chloropropane	23.4300	0.50	0.41	20.0000		117	61 - 127			
1,2-Dibromoethane	22.2000	0.50	0.24	20.0000		111	72 - 125			
1,2-Dichlorobenzene	20.9300	0.50	0.20	20.0000		105	84 - 113			
1,2-Dichloroethane	21.7400	0.50	0.20	20.0000		109	68 - 130			
1,2-Dichloropropane	21.1900	0.50	0.15	20.0000		106	77 - 121			
1,3,5-Trimethylbenzene	20.7600	0.50	0.13	20.0000		104	83 - 124			
1,3-Dichlorobenzene	20.5700	0.50	0.16	20.0000		103	83 - 112			
1,3-Dichloropropane	21.2100	0.50	0.21	20.0000		106	77 - 119			

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 : 02/25/2021

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 B1B0062 - MSVOA_LL_W (continued)										
LCS (B1B0062-BS1) - Continued					Prepared: 2/4/2021 Analyzed: 2/4/2021					
1,4-Dichlorobenzene	20.7700	0.50	0.17	20.0000		104	79 - 115			
2,2-Dichloropropane	19.7200	0.50	0.38	20.0000		98.6	67 - 149			
2-Chlorotoluene	21.2300	0.50	0.11	20.0000		106	81 - 119			
4-Chlorotoluene	23.3200	0.50	0.12	20.0000		117	86 - 117			
4-Isopropyltoluene	21.0900	0.50	0.11	20.0000		105	82 - 131			
Benzene	22.8600	0.50	0.13	20.0000		114	75 - 124			
Bromobenzene	19.2200	0.50	0.21	20.0000		96.1	82 - 108			
Bromodichloromethane	21.5600	0.50	0.14	20.0000		108	80 - 120			
Bromoform	15.3000	0.50	0.20	20.0000		76.5	70 - 123			
Bromomethane	19.2200	0.50	0.40	20.0000		96.1	44 - 151			
Carbon tetrachloride	21.8900	0.50	0.09	20.0000		109	62 - 140			
Chlorobenzene	21.6300	0.50	0.13	20.0000		108	80 - 112			
Chloroethane	19.4500	0.50	0.15	20.0000		97.2	42 - 167			
Chloroform	22.2700	0.50	0.11	20.0000		111	77 - 122			
Chloromethane	16.5200	0.50	0.12	20.0000		82.6	33 - 153			
cis-1,2-Dichloroethene	18.6500	0.50	0.14	20.0000		93.2	75 - 121			
cis-1,3-Dichloropropene	20.8700	0.50	0.13	20.0000		104	73 - 127			
Dibromochloromethane	19.0700	0.50	0.16	20.0000		95.4	77 - 122			
Dibromomethane	19.5500	0.50	0.19	20.0000		97.8	75 - 121			
Dichlorodifluoromethane	27.9600	0.50	0.18	20.0000		140	0 - 171			
Ethylbenzene	24.8600	0.50	0.13	20.0000		124	82 - 119			L3
Hexachlorobutadiene	19.0100	0.50	0.15	20.0000		95.0	71 - 131			
Isopropylbenzene	20.9700	0.50	0.10	20.0000		105	75 - 126			
m,p-Xylene	50.3600	1.0	0.19	40.0000		126	86 - 119			L3
Methylene chloride	24.8500	1.0	0.71	20.0000		124	76 - 125			
n-Butylbenzene	24.2900	0.50	0.11	20.0000		121	81 - 125			
n-Propylbenzene	23.1600	0.50	0.10	20.0000		116	78 - 130			
Naphthalene	17.3500	0.50	0.41	20.0000		86.8	47 - 128			
o-Xylene	22.9600	0.50	0.13	20.0000		115	85 - 119			
sec-Butylbenzene	22.0900	0.50	0.09	20.0000		110	78 - 130			
Styrene	22.6900	0.50	0.13	20.0000		113	62 - 148			
tert-Butylbenzene	20.0900	0.50	0.09	20.0000		100	77 - 125			
Tetrachloroethene	19.3500	0.50	0.10	20.0000		96.8	73 - 120			
Toluene	24.0400	0.50	0.12	20.0000		120	79 - 119			L3
trans-1,2-Dichloroethene	24.2500	0.50	0.09	20.0000		121	70 - 129			
Trichloroethene	22.4800	0.50	0.10	20.0000		112	73 - 117			
Trichlorofluoromethane	21.3200	0.50	0.23	20.0000		107	59 - 135			
Vinyl chloride	19.5100	0.50	0.13	20.0000		97.6	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*26.50*			*25.0000*		*106*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*26.14*			*25.0000*		*105*	*73 - 124*			
Surrogate: Dibromofluoromethan	*21.34*			*25.0000*		*85.4*	*78 - 129*			

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 : 02/25/2021

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 B1B0062 - MSVOA_LL_W (continued)										
LCS (B1B0062-BS1) - Continued					Prepared: 2/4/2021 Analyzed: 2/4/2021					
Surrogate: Toluene-d8	*27.18*			*25.0000*		*109*	*84 - 117*			
LCS Dup (B1B0062-BSD1)					Prepared: 2/4/2021 Analyzed: 2/4/2021					
1,1,1,2-Tetrachloroethane	17.4400	0.50	0.11	20.0000		87.2	79 - 116	18.0	20	
1,1,1-Trichloroethane	20.8900	0.50	0.21	20.0000		104	73 - 130	2.52	20	
1,1,2,2-Tetrachloroethane	23.7600	0.50	0.36	20.0000		119	71 - 122	11.2	20	
1,1,2-Trichloroethane	21.8600	0.50	0.25	20.0000		109	70 - 124	3.44	20	
1,1-Dichloroethane	19.9700	0.50	0.09	20.0000		99.8	69 - 128	9.36	20	
1,1-Dichloroethene	20.7800	0.50	0.13	20.0000		104	65 - 137	10.3	20	
1,1-Dichloropropene	20.1300	0.50	0.13	20.0000		101	74 - 129	7.55	20	
1,2,3-Trichloropropane	26.1500	0.50	0.39	20.0000		131	74 - 123	27.6	20	L4, R
1,2,3-Trichlorobenzene	21.5900	0.50	0.18	20.0000		108	59 - 130	11.4	20	
1,2,4-Trichlorobenzene	25.0100	0.50	0.16	20.0000		125	65 - 125	42.9	20	L3, R
1,2,4-Trimethylbenzene	19.7600	0.50	0.14	20.0000		98.8	88 - 124	2.50	20	
1,2-Dibromo-3-chloropropane	30.4600	0.50	0.41	20.0000		152	61 - 127	26.1	20	L5, R
1,2-Dibromoethane	21.4400	0.50	0.24	20.0000		107	72 - 125	3.48	20	
1,2-Dichlorobenzene	26.6700	0.50	0.20	20.0000		133	84 - 113	24.1	20	L5, R
1,2-Dichloroethane	18.8200	0.50	0.20	20.0000		94.1	68 - 130	14.4	20	
1,2-Dichloropropane	20.5900	0.50	0.15	20.0000		103	77 - 121	2.87	20	
1,3,5-Trimethylbenzene	27.4000	0.50	0.13	20.0000		137	83 - 124	27.6	20	L5, R
1,3-Dichlorobenzene	20.1500	0.50	0.16	20.0000		101	83 - 112	2.06	20	
1,3-Dichloropropane	21.0900	0.50	0.21	20.0000		105	77 - 119	0.567	20	
1,4-Dichlorobenzene	20.7900	0.50	0.17	20.0000		104	79 - 115	0.0962	20	
2,2-Dichloropropane	22.9500	0.50	0.38	20.0000		115	67 - 149	15.1	20	
2-Chlorotoluene	28.4600	0.50	0.11	20.0000		142	81 - 119	29.1	20	L5, R
4-Chlorotoluene	28.8900	0.50	0.12	20.0000		144	86 - 117	21.3	20	L5, R
4-Isopropyltoluene	20.2800	0.50	0.11	20.0000		101	82 - 131	3.92	20	
Benzene	20.4700	0.50	0.13	20.0000		102	75 - 124	11.0	20	
Bromobenzene	23.5400	0.50	0.21	20.0000		118	82 - 108	20.2	20	L3, R
Bromodichloromethane	21.3600	0.50	0.14	20.0000		107	80 - 120	0.932	20	
Bromoform	19.4400	0.50	0.20	20.0000		97.2	70 - 123	23.8	20	R
Bromomethane	18.9200	0.50	0.40	20.0000		94.6	44 - 151	1.57	20	
Carbon tetrachloride	19.9500	0.50	0.09	20.0000		99.8	62 - 140	9.27	20	
Chlorobenzene	20.9300	0.50	0.13	20.0000		105	80 - 112	3.29	20	
Chloroethane	19.9900	0.50	0.15	20.0000		100	42 - 167	2.74	20	
Chloroform	22.1100	0.50	0.11	20.0000		111	77 - 122	0.721	20	
Chloromethane	15.7800	0.50	0.12	20.0000		78.9	33 - 153	4.58	20	
cis-1,2-Dichloroethene	23.1900	0.50	0.14	20.0000		116	75 - 121	21.7	20	R
cis-1,3-Dichloropropene	18.3100	0.50	0.13	20.0000		91.6	73 - 127	13.1	20	
Dibromochloromethane	17.7200	0.50	0.16	20.0000		88.6	77 - 122	7.34	20	
Dibromomethane	19.4300	0.50	0.19	20.0000		97.2	75 - 121	0.616	20	
Dichlorodifluoromethane	23.7800	0.50	0.18	20.0000		119	0 - 171	16.2	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 : 02/25/2021

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 B1B0062 - MSVOA_LL_W (continued)										
LCS Dup (B1B0062-BSD1) - Continued					Prepared: 2/4/2021 Analyzed: 2/4/2021					
Ethylbenzene	17.1900	0.50	0.13	20.0000		86.0	82 - 119	36.5	20	R
Hexachlorobutadiene	24.2800	0.50	0.15	20.0000		121	71 - 131	24.3	20	R
Isopropylbenzene	27.6500	0.50	0.10	20.0000		138	75 - 126	27.5	20	L5, R
m,p-Xylene	44.8700	1.0	0.19	40.0000		112	86 - 119	11.5	20	
Methylene chloride	24.3900	1.0	0.71	20.0000		122	76 - 125	1.87	20	
n-Butylbenzene	28.9900	0.50	0.11	20.0000		145	81 - 125	17.6	20	L5
n-Propylbenzene	29.6000	0.50	0.10	20.0000		148	78 - 130	24.4	20	R
Naphthalene	23.6200	0.50	0.41	20.0000		118	47 - 128	30.6	20	R
o-Xylene	21.7800	0.50	0.13	20.0000		109	85 - 119	5.27	20	
sec-Butylbenzene	21.2000	0.50	0.09	20.0000		106	78 - 130	4.11	20	
Styrene	20.7600	0.50	0.13	20.0000		104	62 - 148	8.88	20	
tert-Butylbenzene	19.9400	0.50	0.09	20.0000		99.7	77 - 125	0.749	20	
Tetrachloroethene	17.9500	0.50	0.10	20.0000		89.8	73 - 120	7.51	20	
Toluene	22.3900	0.50	0.12	20.0000		112	79 - 119	7.11	20	
trans-1,2-Dichloroethene	23.4100	0.50	0.09	20.0000		117	70 - 129	3.52	20	
Trichloroethene	20.1700	0.50	0.10	20.0000		101	73 - 117	10.8	20	
Trichlorofluoromethane	19.2500	0.50	0.23	20.0000		96.2	59 - 135	10.2	20	
Vinyl chloride	19.2900	0.50	0.13	20.0000		96.4	58 - 132	1.13	20	
Surrogate: 1,2-Dichloroethane-d4	*28.60*			*25.0000*		*114*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.84*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*22.23*			*25.0000*		*88.9*	*78 - 129*			
Surrogate: Toluene-d8	*26.16*			*25.0000*		*105*	*84 - 117*			

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 : 02/25/2021

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 B1B0157 - MSSEMI_W										
Blank (B1B0157-BLK1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*52.01*			*100.000*		*52.0*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*59.92*			*100.000*		*59.9*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*66.37*			*100.000*		*66.4*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*57.59*			*100.000*		*57.6*	*13 - 150*			
LCS (B1B0157-BS1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
1,4-Dioxane	96.8600	2.0	0.84	100.000		96.9	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*53.64*			*100.000*		*53.6*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*67.17*			*100.000*		*67.2*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*75.23*			*100.000*		*75.2*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*64.74*			*100.000*		*64.7*	*13 - 150*			
LCS Dup (B1B0157-BSD1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
1,4-Dioxane	103.390	2.0	0.84	100.000		103	75 - 155	6.52	20	
Surrogate: 1,2-Dichlorobenzene-d	*61.63*			*100.000*		*61.6*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*71.66*			*100.000*		*71.7*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*82.22*			*100.000*		*82.2*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*72.09*			*100.000*		*72.1*	*13 - 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 : 02/25/2021

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 B1B0156 - MSSEMI_W										
Blank (B1B0156-BLK1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.6152*			*1.00000*		*61.5*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.048*			*1.00000*		*105*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7873*			*1.00000*		*78.7*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6571*			*1.00000*		*65.7*	*15 - 121*			
LCS (B1B0156-BS1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
1,4-Dioxane	2.38802	0.20	0.05	1.00000		239	75 - 155			L5
Surrogate: 1,2-Dichlorobenzene-d	*0.6252*			*1.00000*		*62.5*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.038*			*1.00000*		*104*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7454*			*1.00000*		*74.5*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6656*			*1.00000*		*66.6*	*15 - 121*			
LCS Dup (B1B0156-BSD1)					Prepared: 2/8/2021 Analyzed: 2/8/2021					
1,4-Dioxane	2.66101	0.20	0.05	1.00000		266	75 - 155	10.8	20	L5
Surrogate: 1,2-Dichlorobenzene-d	*0.5366*			*1.00000*		*53.7*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8135*			*1.00000*		*81.3*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.6140*			*1.00000*		*61.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.5409*			*1.00000*		*54.1*	*15 - 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 :	02/25/2021

Notes and Definitions

R3	RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS).
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M7	Matrix spike was high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
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

2100259

Date: 2/4/2021
Page 1 of 1

PROJECT: Raytheon Main GETS Monthly Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

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
1	TB-020421	2/4/2021	8:00		X	X				X	2						X								X							X			
2	CEFF	2/4/2021	8:20	X		X				X	3					1	X								X	X							X			
3	CBT	2/4/2021	8:25	X		X				X	3					1	X								X	X							X			
4	POX	2/4/2021	9:00	X		X			X	X	5	1	1			1	X	X		X	X				X	X							X			
5	PF	2/4/2021	9:15	X					X	X	2		1	1	1					X	X	X	X										X			
6	INF	2/4/2021	9:25	X		X				X	3	2				1	X	X	X					X				X					X			
7	EW-02	2/4/2021	10:15	X		X				X	3	1				1	X		X					X			X						X			
8	MW-29	2/4/2021	10:35	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
H+A	2-4-21 1250	H+A	2-4-2021 1230
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
H+A	2-4-21 16:20		2/4/21 16:20

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

6.0°C Temperature on receipt

Laboratory
Advanced Technology Laboratories
Attn: Tina Nguyen
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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.

element

9240 Santa Fe Springs Road
Santa Fe Springs, CA
90670 USA

P: 1 562 948 2225
F: 1 562 948 5850
info.santafesprings@element.com
element.com

Laboratory Report

February 24, 2021

Advanced Technology Laboratories
PO Box 92797
Long Beach, CA 90809-2797

Attn: Tina Nguyen

Element Job No:	245129
Purchase Order:	COD
Project Name:	2100259 / Groundwater
Samples Received:	2
Date Received:	02-05-2021

Analysis	Page
Bromate by SOP 5600, Rev 4	2

Michael Shelton
Technical Director

Robert Stead
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.
The results given in this report apply only to the sample(s) provided and as received.

Bromate by SOP 5600, Rev. 4
Ion Chromatography-Tandem Mass Spectrometry

Sample preparation: An aliquot of sample was spiked with internal standard (bromate-$^{18}O_3$), and diluted with water. The sample solutions were analyzed using IC-MS/MS.

Parts Per Billion (µg/L)

Sample ID	Result
ATL Lab#: 2100259-04 / POX	ND
ATL Lab#: 2100259-06 / INF	ND
Method Blank	ND
Detection Limit	0.5

Date Analyzed: 02-18-2021

Quality Control Summary

Sample ID: ATL Lab#: 2100259-06 / INF

Units: Parts Per Billion (µg/L)

Analyte	Sample Result	Spike Conc	Spike Result	Spike % Rec	Spike Duplicate	Duplicate % Rec	RPD
Bromate	ND	5.00	4.76	95	5.07	101	6
QC Guidelines				80-120		80-120	NMT 15

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All samples will be disposed of 30 days past invoice unless prior arrangements have been made.
The results given in this report apply only to the sample(s) provided and as received.

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 2100259

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Tina Nguyen
(Tina.Nguyen@atlglobal.com)
Sampler: Ruben Sanchez

RECEIVING LABORATORY:

Element Materials Technology
9240 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Phone :(562) 948-2225
Fax: (562) 948-5850
PO#: SC15046 - Standard TAT

IMPORTANT : Please include Work Order # and PO # in your invoice.

QC Requirements:

- [x] Routine
- [ ] Caltrans
- [ ] Legal
- [ ] RWQCB
- [ ] Level IV*
- [ ] Other: _____

* All Level IV sample containers (including empty ones) must be returned to ATL 30 days after receipt.

EDD Requirements:

- [ ] Standard Excel
- [ ] Geotracker EDF
- [ ] Other:

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 2100259-04 / POX		**Groundwater**	**02/04/21 09:00**	
Bromate_ICMS/MS_SUB (1)	**02/19/21 17:00**	03/04/21 09:00		
[Bromate by IC-MS/MS]				
1-Poly Unpres 125mL				
ATL Lab#: 2100259-06 / INF		**Groundwater**	**02/04/21 09:25**	
Bromate_ICMS/MS_SUB (2)	**02/19/21 17:00**	03/04/21 09:25		
[Bromate by IC-MS/MS]				
1-Poly Unpres 125mL				

02-05-2021 cl, Also has:
(1) D
(2) C

Approved by:

ATL Project Manager	2/4/21 Date	
Released By ATL Sample Control	2/5/21 Date	10:35 Time
Received By Courier	2/5/21 Date	1035 Time
Released By Courier	2/5/21 Date	11:42 Time
Received By Subcontract Laboratory	Element 02-05-2021 Date	11:42Am Time
Released By	Date	Time
Received By	Date	Time

C:\PROGRAM FILES (X86)\PROMIUM\ELEMENT\PRINT\SCO_ATL(A.6).RPT

245129

ADVANCED TECHNOLOGY LABORATORIES

February 25, 2021

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 : 2100391
Client Reference : Raytheon Main GETS Mid Month Sample 532.15

Enclosed are the results for sample(s) received on February 18, 2021 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,

Edgar P. Caballero
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 : 02/25/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-021821	2100391-01	Lab Prepared Water	2/18/21 8:00	2/18/21 15:50
CEFF	2100391-02	Groundwater	2/18/21 8:05	2/18/21 15:50
CBT	2100391-03	Groundwater	2/18/21 8:20	2/18/21 15:50
POX	2100391-04	Groundwater	2/18/21 8:25	2/18/21 15:50
INF	2100391-05	Groundwater	2/18/21 8:35	2/18/21 15:50
EW-02	2100391-06	Groundwater	2/18/21 9:05	2/18/21 15:50
MW-29	2100391-07	Groundwater	2/18/21 9:20	2/18/21 15:50

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 : 02/25/2021

Client Sample ID: TB-021821

Lab ID: 2100391-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,1,2-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,1-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,1-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	

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 : 02/25/2021

Client Sample ID: TB-021821

Lab ID: 2100391-01

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 14:40	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 14:40	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Tetrachloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Trichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Trichlorofluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 14:40	
Surrogate: 1,2-Dichloroethane-d4	*86.5 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 14:40*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 14:40*	
Surrogate: Dibromofluoromethane	*90.6 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 14:40*	
Surrogate: Toluene-d8	*98.8 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 14:40*	

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 : 02/25/2021

Client Sample ID: CEFF

Lab ID: 2100391-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,1,2-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,1-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,1-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 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 : 02/25/2021

Client Sample ID: CEFF

Lab ID: 2100391-02

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 15:05	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 15:05	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Tetrachloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Trichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Trichlorofluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:05	
Surrogate: 1,2-Dichloroethane-d4	*83.9 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 15:05*	
Surrogate: 4-Bromofluorobenzene	*99.8 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 15:05*	
Surrogate: Dibromofluoromethane	*89.0 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 15:05*	
Surrogate: Toluene-d8	*101 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 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 : 02/25/2021

Client Sample ID: CEFF

Lab ID: 2100391-02

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1B0411	02/22/2021	02/23/21 19:19	
Surrogate: 1,2-Dichlorobenzene-d4	*55.3 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 19:19*	
Surrogate: 2-Fluorobiphenyl	*85.4 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 19:19*	
Surrogate: 4-Terphenyl-d14	*75.0 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 19:19*	
Surrogate: Nitrobenzene-d5	*43.6 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 19:19*	

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 : 02/25/2021

Client Sample ID: CBT

Lab ID: 2100391-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,1,2-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,1-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,1-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	

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 : 02/25/2021

Client Sample ID: CBT

Lab ID: 2100391-03

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 15:30	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 15:30	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Tetrachloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Trichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Trichlorofluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:30	
Surrogate: 1,2-Dichloroethane-d4	*84.9 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 15:30*	
Surrogate: 4-Bromofluorobenzene	*97.4 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 15:30*	
Surrogate: Dibromofluoromethane	*88.0 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 15:30*	
Surrogate: Toluene-d8	*96.2 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 15:30*	

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 : 02/25/2021

Client Sample ID: CBT

Lab ID: 2100391-03

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1B0411	02/22/2021	02/23/21 19:45	
Surrogate: 1,2-Dichlorobenzene-d4	*60.6 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 19:45*	
Surrogate: 2-Fluorobiphenyl	*97.4 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 19:45*	
Surrogate: 4-Terphenyl-d14	*83.1 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 19:45*	
Surrogate: Nitrobenzene-d5	*51.1 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 19:45*	

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 : 02/25/2021

Client Sample ID: POX

Lab ID: 2100391-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,1,2-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,1-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,1-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	

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 : 02/25/2021

Client Sample ID: POX

Lab ID: 2100391-04

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 15:55	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 15:55	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Tetrachloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Trichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Trichlorofluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 15:55	
Surrogate: 1,2-Dichloroethane-d4	*84.0 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 15:55*	
Surrogate: 4-Bromofluorobenzene	*98.5 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 15:55*	
Surrogate: Dibromofluoromethane	*86.2 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 15:55*	
Surrogate: Toluene-d8	*97.0 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 15:55*	

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 : 02/25/2021

Client Sample ID: POX

Lab ID: 2100391-04

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		ND	0.20	1	B1B0411	02/22/2021	02/23/21 20:11	
Surrogate: 1,2-Dichlorobenzene-d4	*54.0 %*		*13 - 99*		B1B0411	02/22/2021	*02/23/21 20:11*	
Surrogate: 2-Fluorobiphenyl	*81.2 %*		*8 - 111*		B1B0411	02/22/2021	*02/23/21 20:11*	
Surrogate: 4-Terphenyl-d14	*79.3 %*		*12 - 113*		B1B0411	02/22/2021	*02/23/21 20:11*	
Surrogate: Nitrobenzene-d5	*43.1 %*		*15 - 121*		B1B0411	02/22/2021	*02/23/21 20:11*	

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 : 02/25/2021

Client Sample ID: INF

Lab ID: 2100391-05

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,1,2-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,1-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,1-Dichloroethene	**45**	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	

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 : 02/25/2021

Client Sample ID: INF

Lab ID: 2100391-05

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 16:20	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 16:20	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Tetrachloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Trichloroethene	**0.63**	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Trichlorofluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:20	
Surrogate: 1,2-Dichloroethane-d4	*86.6 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 16:20*	
Surrogate: 4-Bromofluorobenzene	*99.0 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 16:20*	
Surrogate: Dibromofluoromethane	*91.5 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 16:20*	
Surrogate: Toluene-d8	*97.6 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 16:20*	

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 : 02/25/2021

Client Sample ID: INF

Lab ID: 2100391-05

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**37**	2.0	1	B1B0393	02/19/2021	02/24/21 02:20	
Surrogate: 1,2-Dichlorobenzene-d4	*44.2 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 02:20*	
Surrogate: 2-Fluorobiphenyl	*47.0 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 02:20*	
Surrogate: 4-Terphenyl-d14	*61.4 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 02:20*	
Surrogate: Nitrobenzene-d5	*49.3 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 02:20*	

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 : 02/25/2021

Client Sample ID: EW-02

Lab ID: 2100391-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,1,2-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,1-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,1-Dichloroethene	**12**	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	

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 : 02/25/2021

Client Sample ID: EW-02

Lab ID: 2100391-06

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 16:45	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 16:45	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Tetrachloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Trichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Trichlorofluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 16:45	
Surrogate: 1,2-Dichloroethane-d4	*83.0 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 16:45*	
Surrogate: 4-Bromofluorobenzene	*98.3 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 16:45*	
Surrogate: Dibromofluoromethane	*89.4 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 16:45*	
Surrogate: Toluene-d8	*99.2 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 16:45*	

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 : 02/25/2021

Client Sample ID: EW-02

Lab ID: 2100391-06

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**21**	2.0	1	B1B0393	02/19/2021	02/24/21 02:46	
Surrogate: 1,2-Dichlorobenzene-d4	*44.8 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 02:46*	
Surrogate: 2-Fluorobiphenyl	*51.4 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 02:46*	
Surrogate: 4-Terphenyl-d14	*72.9 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 02:46*	
Surrogate: Nitrobenzene-d5	*53.1 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 02:46*	

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 : 02/25/2021

Client Sample ID: MW-29

Lab ID: 2100391-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,1,1-Trichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,1,2,2-Tetrachloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,1,2-Trichloroethane	**0.54**	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,1-Dichloroethane	**1.2**	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,1-Dichloroethene	**160**	5.0	10	B1B0378	02/19/2021	02/19/21 17:09	
1,1-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2,3-Trichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2,3-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2,4-Trichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2,4-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2-Dibromo-3-chloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2-Dibromoethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2-Dichloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,3,5-Trimethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,3-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,3-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
1,4-Dichlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
2,2-Dichloropropane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
2-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
4-Chlorotoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
4-Isopropyltoluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Benzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Bromobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Bromodichloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Bromoform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Bromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Carbon tetrachloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Chlorobenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Chloroethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Chloroform	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Chloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
cis-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
cis-1,3-Dichloropropene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Dibromochloromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 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 : 02/25/2021

Client Sample ID: MW-29

Lab ID: 2100391-07

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

Analyte	Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Dibromomethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Dichlorodifluoromethane	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Ethylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Hexachlorobutadiene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Isopropylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
m,p-Xylene	ND	1.0	1	B1B0378	02/19/2021	02/19/21 17:34	
Methylene chloride	ND	1.0	1	B1B0378	02/19/2021	02/19/21 17:34	
n-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
n-Propylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Naphthalene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
o-Xylene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
sec-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Styrene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
tert-Butylbenzene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Tetrachloroethene	**0.61**	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Toluene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
trans-1,2-Dichloroethene	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Trichloroethene	**1.9**	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Trichlorofluoromethane	**0.89**	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Vinyl chloride	ND	0.50	1	B1B0378	02/19/2021	02/19/21 17:34	
Surrogate: 1,2-Dichloroethane-d4	*82.0 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 17:34*	
Surrogate: 1,2-Dichloroethane-d4	*83.9 %*	*64 - 155*		B1B0378	02/19/2021	*02/19/21 17:09*	
Surrogate: 4-Bromofluorobenzene	*96.0 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 17:09*	
Surrogate: 4-Bromofluorobenzene	*99.5 %*	*73 - 124*		B1B0378	02/19/2021	*02/19/21 17:34*	
Surrogate: Dibromofluoromethane	*86.8 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 17:34*	
Surrogate: Dibromofluoromethane	*87.8 %*	*78 - 129*		B1B0378	02/19/2021	*02/19/21 17:09*	
Surrogate: Toluene-d8	*94.4 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 17:09*	
Surrogate: Toluene-d8	*98.0 %*	*84 - 117*		B1B0378	02/19/2021	*02/19/21 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 : 02/25/2021

Client Sample ID: MW-29

Lab ID: 2100391-07

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

Analyte		Result (ug/L)	PQL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dioxane		**120**	2.0	1	B1B0393	02/19/2021	02/24/21 03:12	
Surrogate: 1,2-Dichlorobenzene-d4	*43.3 %*		*17 - 119*		B1B0393	02/19/2021	*02/24/21 03:12*	
Surrogate: 2-Fluorobiphenyl	*50.6 %*		*10 - 133*		B1B0393	02/19/2021	*02/24/21 03:12*	
Surrogate: 4-Terphenyl-d14	*62.5 %*		*5 - 139*		B1B0393	02/19/2021	*02/24/21 03:12*	
Surrogate: Nitrobenzene-d5	*50.0 %*		*13 - 150*		B1B0393	02/19/2021	*02/24/21 03:12*	

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 : 02/25/2021

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 B1B0378 - MSVOA_LL_W										
Blank (B1B0378-BLK1)					Prepared: 2/19/2021 Analyzed: 2/19/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11							
1,1,1-Trichloroethane	ND	0.50	0.21							
1,1,2,2-Tetrachloroethane	ND	0.50	0.36							
1,1,2-Trichloroethane	ND	0.50	0.25							
1,1-Dichloroethane	ND	0.50	0.09							
1,1-Dichloroethene	ND	0.50	0.13							
1,1-Dichloropropene	ND	0.50	0.13							
1,2,3-Trichloropropane	ND	0.50	0.39							
1,2,3-Trichlorobenzene	ND	0.50	0.18							
1,2,4-Trichlorobenzene	ND	0.50	0.16							
1,2,4-Trimethylbenzene	ND	0.50	0.14							
1,2-Dibromo-3-chloropropane	ND	0.50	0.41							
1,2-Dibromoethane	ND	0.50	0.24							
1,2-Dichlorobenzene	ND	0.50	0.20							
1,2-Dichloroethane	ND	0.50	0.20							
1,2-Dichloropropane	ND	0.50	0.15							
1,3,5-Trimethylbenzene	ND	0.50	0.13							
1,3-Dichlorobenzene	ND	0.50	0.16							
1,3-Dichloropropane	ND	0.50	0.21							
1,4-Dichlorobenzene	ND	0.50	0.17							
2,2-Dichloropropane	ND	0.50	0.38							
2-Chlorotoluene	ND	0.50	0.11							
4-Chlorotoluene	ND	0.50	0.12							
4-Isopropyltoluene	ND	0.50	0.11							
Benzene	ND	0.50	0.13							
Bromobenzene	ND	0.50	0.21							
Bromodichloromethane	ND	0.50	0.14							
Bromoform	ND	0.50	0.20							
Bromomethane	ND	0.50	0.40							
Carbon tetrachloride	ND	0.50	0.09							
Chlorobenzene	ND	0.50	0.13							
Chloroethane	ND	0.50	0.15							
Chloroform	ND	0.50	0.11							
Chloromethane	ND	0.50	0.12							
cis-1,2-Dichloroethene	ND	0.50	0.14							
cis-1,3-Dichloropropene	ND	0.50	0.13							
Dibromochloromethane	ND	0.50	0.16							
Dibromomethane	ND	0.50	0.19							
Dichlorodifluoromethane	ND	0.50	0.18							

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 : 02/25/2021

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 B1B0378 - MSVOA_LL_W (continued)										
Blank (B1B0378-BLK1) - Continued					Prepared: 2/19/2021 Analyzed: 2/19/2021					
Ethylbenzene	ND	0.50	0.13							
Hexachlorobutadiene	ND	0.50	0.15							
Isopropylbenzene	ND	0.50	0.10							
m,p-Xylene	ND	1.0	0.19							
Methylene chloride	ND	1.0	0.71							
n-Butylbenzene	ND	0.50	0.11							
n-Propylbenzene	ND	0.50	0.10							
Naphthalene	ND	0.50	0.41							
o-Xylene	ND	0.50	0.13							
sec-Butylbenzene	ND	0.50	0.09							
Styrene	ND	0.50	0.13							
tert-Butylbenzene	ND	0.50	0.09							
Tetrachloroethene	ND	0.50	0.10							
Toluene	ND	0.50	0.12							
trans-1,2-Dichloroethene	ND	0.50	0.09							
Trichloroethene	ND	0.50	0.10							
Trichlorofluoromethane	ND	0.50	0.23							
Vinyl chloride	ND	0.50	0.13							
Surrogate: 1,2-Dichloroethane-d4	*21.80*			*25.0000*		*87.2*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.39*			*25.0000*		*97.6*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.25*			*25.0000*		*93.0*	*78 - 129*			
Surrogate: Toluene-d8	*25.11*			*25.0000*		*100*	*84 - 117*			
LCS (B1B0378-BS1)					Prepared: 2/19/2021 Analyzed: 2/19/2021					
1,1,1,2-Tetrachloroethane	21.3200	0.50	0.11	20.0000		107	79 - 116			
1,1,1-Trichloroethane	17.8500	0.50	0.21	20.0000		89.2	73 - 130			
1,1,2,2-Tetrachloroethane	20.9200	0.50	0.36	20.0000		105	71 - 122			
1,1,2-Trichloroethane	21.0800	0.50	0.25	20.0000		105	70 - 124			
1,1-Dichloroethane	17.5100	0.50	0.09	20.0000		87.6	69 - 128			
1,1-Dichloroethene	18.3800	0.50	0.13	20.0000		91.9	65 - 137			
1,1-Dichloropropene	20.2700	0.50	0.13	20.0000		101	74 - 129			
1,2,3-Trichloropropane	20.6300	0.50	0.39	20.0000		103	74 - 123			
1,2,3-Trichlorobenzene	21.7800	0.50	0.18	20.0000		109	59 - 130			
1,2,4-Trichlorobenzene	21.3000	0.50	0.16	20.0000		106	65 - 125			
1,2,4-Trimethylbenzene	20.3500	0.50	0.14	20.0000		102	88 - 124			
1,2-Dibromo-3-chloropropane	24.6100	0.50	0.41	20.0000		123	61 - 127			
1,2-Dibromoethane	21.2800	0.50	0.24	20.0000		106	72 - 125			
1,2-Dichlorobenzene	20.6700	0.50	0.20	20.0000		103	84 - 113			
1,2-Dichloroethane	19.1100	0.50	0.20	20.0000		95.6	68 - 130			
1,2-Dichloropropane	18.7100	0.50	0.15	20.0000		93.6	77 - 121			
1,3,5-Trimethylbenzene	20.2600	0.50	0.13	20.0000		101	83 - 124			

Hargis & Associates, Inc.
9171 Towne Centre Drive, Suite 375
San Diego , CA 92122

Project Number : Raytheon Main GETS Mid Month Sample
Report To : Steve Netto
Reported : 02/25/2021

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 B1B0378 - MSVOA_LL_W (continued)										
LCS (B1B0378-BS1) - Continued					Prepared: 2/19/2021 Analyzed: 2/19/2021					
1,3-Dichlorobenzene	20.4300	0.50	0.16	20.0000		102	83 - 112			
1,3-Dichloropropane	20.7900	0.50	0.21	20.0000		104	77 - 119			
1,4-Dichlorobenzene	19.5800	0.50	0.17	20.0000		97.9	79 - 115			
2,2-Dichloropropane	18.9600	0.50	0.38	20.0000		94.8	67 - 149			
2-Chlorotoluene	19.5100	0.50	0.11	20.0000		97.6	81 - 119			
4-Chlorotoluene	19.4700	0.50	0.12	20.0000		97.4	86 - 117			
4-Isopropyltoluene	20.3100	0.50	0.11	20.0000		102	82 - 131			
Benzene	20.6200	0.50	0.13	20.0000		103	75 - 124			
Bromobenzene	19.6500	0.50	0.21	20.0000		98.2	82 - 108			
Bromodichloromethane	19.9600	0.50	0.14	20.0000		99.8	80 - 120			
Bromoform	25.2000	0.50	0.20	20.0000		126	70 - 123			L3
Bromomethane	19.6200	0.50	0.40	20.0000		98.1	44 - 151			
Carbon tetrachloride	19.9700	0.50	0.09	20.0000		99.8	62 - 140			
Chlorobenzene	20.1300	0.50	0.13	20.0000		101	80 - 112			
Chloroethane	17.1900	0.50	0.15	20.0000		86.0	42 - 167			
Chloroform	17.5100	0.50	0.11	20.0000		87.6	77 - 122			
Chloromethane	18.5900	0.50	0.12	20.0000		93.0	33 - 153			
cis-1,2-Dichloroethene	18.5900	0.50	0.14	20.0000		93.0	75 - 121			
cis-1,3-Dichloropropene	21.8500	0.50	0.13	20.0000		109	73 - 127			
Dibromochloromethane	19.6100	0.50	0.16	20.0000		98.0	77 - 122			
Dibromomethane	20.4700	0.50	0.19	20.0000		102	75 - 121			
Dichlorodifluoromethane	19.2900	0.50	0.18	20.0000		96.4	0 - 171			
Ethylbenzene	20.8100	0.50	0.13	20.0000		104	82 - 119			
Hexachlorobutadiene	20.6700	0.50	0.15	20.0000		103	71 - 131			
Isopropylbenzene	19.7200	0.50	0.10	20.0000		98.6	75 - 126			
m,p-Xylene	42.1000	1.0	0.19	40.0000		105	86 - 119			
Methylene chloride	18.1300	1.0	0.71	20.0000		90.6	76 - 125			
n-Butylbenzene	19.8800	0.50	0.11	20.0000		99.4	81 - 125			
n-Propylbenzene	19.8400	0.50	0.10	20.0000		99.2	78 - 130			
Naphthalene	22.5300	0.50	0.41	20.0000		113	47 - 128			
o-Xylene	21.3600	0.50	0.13	20.0000		107	85 - 119			
sec-Butylbenzene	19.9400	0.50	0.09	20.0000		99.7	78 - 130			
Styrene	21.6200	0.50	0.13	20.0000		108	62 - 148			
tert-Butylbenzene	19.7500	0.50	0.09	20.0000		98.8	77 - 125			
Tetrachloroethene	21.3600	0.50	0.10	20.0000		107	73 - 120			
Toluene	20.1900	0.50	0.12	20.0000		101	79 - 119			
trans-1,2-Dichloroethene	18.6200	0.50	0.09	20.0000		93.1	70 - 129			
Trichloroethene	19.6100	0.50	0.10	20.0000		98.0	73 - 117			
Trichlorofluoromethane	16.9000	0.50	0.23	20.0000		84.5	59 - 135			
Vinyl chloride	16.4800	0.50	0.13	20.0000		82.4	58 - 132			
Surrogate: 1,2-Dichloroethane-d4	*21.51*			*25.0000*		*86.0*	*64 - 155*			

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 : 02/25/2021

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 B1B0378 - MSVOA_LL_W (continued)										
LCS (B1B0378-BS1) - Continued					Prepared: 2/19/2021 Analyzed: 2/19/2021					
Surrogate: 4-Bromofluorobenzene	*25.18*			*25.0000*		*101*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.51*			*25.0000*		*94.0*	*78 - 129*			
Surrogate: Toluene-d8	*25.33*			*25.0000*		*101*	*84 - 117*			
LCS Dup (B1B0378-BSD1)					Prepared: 2/19/2021 Analyzed: 2/19/2021					
1,1,1,2-Tetrachloroethane	21.3000	0.50	0.11	20.0000		106	79 - 116	0.0939	20	
1,1,1-Trichloroethane	17.2500	0.50	0.21	20.0000		86.2	73 - 130	3.42	20	
1,1,2,2-Tetrachloroethane	19.7600	0.50	0.36	20.0000		98.8	71 - 122	5.70	20	
1,1,2-Trichloroethane	19.3200	0.50	0.25	20.0000		96.6	70 - 124	8.71	20	
1,1-Dichloroethane	16.2500	0.50	0.09	20.0000		81.2	69 - 128	7.46	20	
1,1-Dichloroethene	17.7100	0.50	0.13	20.0000		88.6	65 - 137	3.71	20	
1,1-Dichloropropene	19.5800	0.50	0.13	20.0000		97.9	74 - 129	3.46	20	
1,2,3-Trichloropropane	19.6000	0.50	0.39	20.0000		98.0	74 - 123	5.12	20	
1,2,3-Trichlorobenzene	20.3500	0.50	0.18	20.0000		102	59 - 130	6.79	20	
1,2,4-Trichlorobenzene	19.6100	0.50	0.16	20.0000		98.0	65 - 125	8.26	20	
1,2,4-Trimethylbenzene	19.3500	0.50	0.14	20.0000		96.8	88 - 124	5.04	20	
1,2-Dibromo-3-chloropropane	23.1100	0.50	0.41	20.0000		116	61 - 127	6.29	20	
1,2-Dibromoethane	20.8200	0.50	0.24	20.0000		104	72 - 125	2.19	20	
1,2-Dichlorobenzene	19.6200	0.50	0.20	20.0000		98.1	84 - 113	5.21	20	
1,2-Dichloroethane	19.1300	0.50	0.20	20.0000		95.6	68 - 130	0.105	20	
1,2-Dichloropropane	17.9200	0.50	0.15	20.0000		89.6	77 - 121	4.31	20	
1,3,5-Trimethylbenzene	19.5500	0.50	0.13	20.0000		97.8	83 - 124	3.57	20	
1,3-Dichlorobenzene	19.5400	0.50	0.16	20.0000		97.7	83 - 112	4.45	20	
1,3-Dichloropropane	20.7000	0.50	0.21	20.0000		104	77 - 119	0.434	20	
1,4-Dichlorobenzene	18.6500	0.50	0.17	20.0000		93.2	79 - 115	4.87	20	
2,2-Dichloropropane	18.0900	0.50	0.38	20.0000		90.4	67 - 149	4.70	20	
2-Chlorotoluene	18.8800	0.50	0.11	20.0000		94.4	81 - 119	3.28	20	
4-Chlorotoluene	18.7700	0.50	0.12	20.0000		93.8	86 - 117	3.66	20	
4-Isopropyltoluene	19.5000	0.50	0.11	20.0000		97.5	82 - 131	4.07	20	
Benzene	20.4500	0.50	0.13	20.0000		102	75 - 124	0.828	20	
Bromobenzene	19.2300	0.50	0.21	20.0000		96.2	82 - 108	2.16	20	
Bromodichloromethane	19.2400	0.50	0.14	20.0000		96.2	80 - 120	3.67	20	
Bromoform	24.3100	0.50	0.20	20.0000		122	70 - 123	3.60	20	
Bromomethane	19.1000	0.50	0.40	20.0000		95.5	44 - 151	2.69	20	
Carbon tetrachloride	19.3700	0.50	0.09	20.0000		96.8	62 - 140	3.05	20	
Chlorobenzene	19.1300	0.50	0.13	20.0000		95.6	80 - 112	5.09	20	
Chloroethane	17.3300	0.50	0.15	20.0000		86.6	42 - 167	0.811	20	
Chloroform	16.4200	0.50	0.11	20.0000		82.1	77 - 122	6.42	20	
Chloromethane	17.7400	0.50	0.12	20.0000		88.7	33 - 153	4.68	20	
cis-1,2-Dichloroethene	17.4700	0.50	0.14	20.0000		87.4	75 - 121	6.21	20	
cis-1,3-Dichloropropene	20.4400	0.50	0.13	20.0000		102	73 - 127	6.67	20	
Dibromochloromethane	19.5900	0.50	0.16	20.0000		98.0	77 - 122	0.102	20	

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 : 02/25/2021

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 B1B0378 - MSVOA_LL_W (continued)										
LCS Dup (B1B0378-BSD1) - Continued					Prepared: 2/19/2021 Analyzed: 2/19/2021					
Dibromomethane	19.4800	0.50	0.19	20.0000		97.4	75 - 121	4.96	20	
Dichlorodifluoromethane	18.9600	0.50	0.18	20.0000		94.8	0 - 171	1.73	20	
Ethylbenzene	20.1200	0.50	0.13	20.0000		101	82 - 119	3.37	20	
Hexachlorobutadiene	19.8300	0.50	0.15	20.0000		99.2	71 - 131	4.15	20	
Isopropylbenzene	19.3600	0.50	0.10	20.0000		96.8	75 - 126	1.84	20	
m,p-Xylene	40.3400	1.0	0.19	40.0000		101	86 - 119	4.27	20	
Methylene chloride	17.4200	1.0	0.71	20.0000		87.1	76 - 125	3.99	20	
n-Butylbenzene	18.9400	0.50	0.11	20.0000		94.7	81 - 125	4.84	20	
n-Propylbenzene	19.2700	0.50	0.10	20.0000		96.4	78 - 130	2.91	20	
Naphthalene	21.1300	0.50	0.41	20.0000		106	47 - 128	6.41	20	
o-Xylene	20.4800	0.50	0.13	20.0000		102	85 - 119	4.21	20	
sec-Butylbenzene	19.2300	0.50	0.09	20.0000		96.2	78 - 130	3.63	20	
Styrene	20.6800	0.50	0.13	20.0000		103	62 - 148	4.44	20	
tert-Butylbenzene	19.2900	0.50	0.09	20.0000		96.4	77 - 125	2.36	20	
Tetrachloroethene	20.9600	0.50	0.10	20.0000		105	73 - 120	1.89	20	
Toluene	19.0200	0.50	0.12	20.0000		95.1	79 - 119	5.97	20	
trans-1,2-Dichloroethene	16.9400	0.50	0.09	20.0000		84.7	70 - 129	9.45	20	
Trichloroethene	19.0200	0.50	0.10	20.0000		95.1	73 - 117	3.05	20	
Trichlorofluoromethane	16.8500	0.50	0.23	20.0000		84.2	59 - 135	0.296	20	
Vinyl chloride	16.7200	0.50	0.13	20.0000		83.6	58 - 132	1.45	20	
Surrogate: 1,2-Dichloroethane-d4	*21.77*			*25.0000*		*87.1*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*25.69*			*25.0000*		*103*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.11*			*25.0000*		*92.4*	*78 - 129*			
Surrogate: Toluene-d8	*24.90*			*25.0000*		*99.6*	*84 - 117*			
Duplicate (B1B0378-DUP1)				**Source: 2100389-01**	Prepared: 2/19/2021 Analyzed: 2/19/2021					
1,1,1,2-Tetrachloroethane	ND	0.50	0.11		ND			NR	20	
1,1,1-Trichloroethane	ND	0.50	0.21		ND			NR	20	
1,1,2,2-Tetrachloroethane	ND	0.50	0.36		ND			NR	20	
1,1,2-Trichloroethane	ND	0.50	0.25		ND			NR	20	
1,1-Dichloroethane	ND	0.50	0.09		ND			NR	20	
1,1-Dichloroethene	ND	0.50	0.13		ND			NR	20	
1,1-Dichloropropene	ND	0.50	0.13		ND			NR	20	
1,2,3-Trichloropropane	ND	0.50	0.39		ND			NR	20	
1,2,3-Trichlorobenzene	ND	0.50	0.18		ND			NR	20	
1,2,4-Trichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,2,4-Trimethylbenzene	ND	0.50	0.14		ND			NR	20	
1,2-Dibromo-3-chloropropane	ND	0.50	0.41		ND			NR	20	
1,2-Dibromoethane	ND	0.50	0.24		ND			NR	20	
1,2-Dichlorobenzene	ND	0.50	0.20		ND			NR	20	
1,2-Dichloroethane	ND	0.50	0.20		ND			NR	20	

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 : 02/25/2021

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 B1B0378 - MSVOA_LL_W (continued)										
Duplicate (B1B0378-DUP1) - Continued			**Source: 2100389-01**		Prepared: 2/19/2021 Analyzed: 2/19/2021					
1,2-Dichloropropane	ND	0.50	0.15		ND			NR	20	
1,3,5-Trimethylbenzene	ND	0.50	0.13		ND			NR	20	
1,3-Dichlorobenzene	ND	0.50	0.16		ND			NR	20	
1,3-Dichloropropane	ND	0.50	0.21		ND			NR	20	
1,4-Dichlorobenzene	ND	0.50	0.17		ND			NR	20	
2,2-Dichloropropane	ND	0.50	0.38		ND			NR	20	
2-Chlorotoluene	ND	0.50	0.11		ND			NR	20	
4-Chlorotoluene	ND	0.50	0.12		ND			NR	20	
4-Isopropyltoluene	ND	0.50	0.11		ND			NR	20	
Benzene	ND	0.50	0.13		ND			NR	20	
Bromobenzene	ND	0.50	0.21		ND			NR	20	
Bromodichloromethane	ND	0.50	0.14		ND			NR	20	
Bromoform	ND	0.50	0.20		ND			NR	20	
Bromomethane	ND	0.50	0.40		ND			NR	20	
Carbon tetrachloride	ND	0.50	0.09		ND			NR	20	
Chlorobenzene	ND	0.50	0.13		ND			NR	20	
Chloroethane	ND	0.50	0.15		ND			NR	20	
Chloroform	ND	0.50	0.11		ND			NR	20	
Chloromethane	ND	0.50	0.12		ND			NR	20	
cis-1,2-Dichloroethene	2.52000	0.50	0.14		2.56000			1.57	20	
cis-1,3-Dichloropropene	ND	0.50	0.13		ND			NR	20	
Dibromochloromethane	ND	0.50	0.16		ND			NR	20	
Dibromomethane	ND	0.50	0.19		ND			NR	20	
Dichlorodifluoromethane	ND	0.50	0.18		ND			NR	20	
Ethylbenzene	ND	0.50	0.13		ND			NR	20	
Hexachlorobutadiene	ND	0.50	0.15		ND			NR	20	
Isopropylbenzene	ND	0.50	0.10		ND			NR	20	
m,p-Xylene	ND	1.0	0.19		ND			NR	20	
Methylene chloride	ND	1.0	0.71		ND			NR	20	
n-Butylbenzene	ND	0.50	0.11		ND			NR	20	
n-Propylbenzene	ND	0.50	0.10		ND			NR	20	
Naphthalene	ND	0.50	0.41		ND			NR	20	
o-Xylene	ND	0.50	0.13		ND			NR	20	
sec-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Styrene	ND	0.50	0.13		ND			NR	20	
tert-Butylbenzene	ND	0.50	0.09		ND			NR	20	
Tetrachloroethene	ND	0.50	0.10		ND			NR	20	
Toluene	ND	0.50	0.12		ND			NR	20	
trans-1,2-Dichloroethene	0.380000	0.50	0.09		ND			NR	20	
Trichloroethene	2.39000	0.50	0.10		2.13000			11.5	20	
Trichlorofluoromethane	ND	0.50	0.23		ND			NR	20	
Vinyl chloride	ND	0.50	0.13		ND			NR	20	

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 : 02/25/2021

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 B1B0378 - MSVOA_LL_W (continued)									
Duplicate (B1B0378-DUP1) - Continued			**Source: 2100389-01**		Prepared: 2/19/2021 Analyzed: 2/19/2021				
Surrogate: 1,2-Dichloroethane-d4	*20.58*		*25.0000*		*82.3*	*64 - 155*			
Surrogate: 4-Bromofluorobenzene	*24.39*		*25.0000*		*97.6*	*73 - 124*			
Surrogate: Dibromofluoromethan	*23.91*		*25.0000*		*95.6*	*78 - 129*			
Surrogate: Toluene-d8	*24.27*		*25.0000*		*97.1*	*84 - 117*			

Certificate of Analysis

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9171 Towne Centre Drive, Suite 375	Report To : Steve Netto
San Diego , CA 92122	Reported : 02/25/2021

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 B1B0393 - MSSEMI_W										
Blank (B1B0393-BLK1)						Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*59.88*			*100.000*		*59.9*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*62.75*			*100.000*		*62.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*77.31*			*100.000*		*77.3*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*65.04*			*100.000*		*65.0*	*13 - 150*			
Blank (B1B0393-BLK2)						Prepared: 2/19/2021 Analyzed: 2/24/2021				
1,4-Dioxane	ND	2.0	0.84							
Surrogate: 1,2-Dichlorobenzene-d	*61.36*			*100.000*		*61.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*61.51*			*100.000*		*61.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*72.10*			*100.000*		*72.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*66.29*			*100.000*		*66.3*	*13 - 150*			
LCS (B1B0393-BS1)						Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	109.980	2.0	0.84	100.000		110	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*47.03*			*100.000*		*47.0*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*58.69*			*100.000*		*58.7*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.49*			*100.000*		*67.5*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*57.05*			*100.000*		*57.0*	*13 - 150*			
LCS (B1B0393-BS2)						Prepared: 2/19/2021 Analyzed: 2/24/2021				
1,4-Dioxane	114.740	2.0	0.84	100.000		115	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*46.32*			*100.000*		*46.3*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*59.50*			*100.000*		*59.5*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.62*			*100.000*		*67.6*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*58.36*			*100.000*		*58.4*	*13 - 150*			
Matrix Spike (B1B0393-MS1)			**Source: 2100392-09**			Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	105.570	2.0	0.84	100.000	2.51000	103	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*49.37*			*100.000*		*49.4*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*61.77*			*100.000*		*61.8*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*67.47*			*100.000*		*67.5*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*60.80*			*100.000*		*60.8*	*13 - 150*			
Matrix Spike Dup (B1B0393-MSD1)			**Source: 2100392-09**			Prepared: 2/19/2021 Analyzed: 2/23/2021				
1,4-Dioxane	115.680	2.0	0.84	100.000	2.51000	113	75 - 155	9.14	20	
Surrogate: 1,2-Dichlorobenzene-d	*47.14*			*100.000*		*47.1*	*17 - 119*			
Surrogate: 2-Fluorobiphenyl	*60.38*			*100.000*		*60.4*	*10 - 133*			
Surrogate: 4-Terphenyl-d14	*65.06*			*100.000*		*65.1*	*5 - 139*			
Surrogate: Nitrobenzene-d5	*58.97*			*100.000*		*59.0*	*13 - 150*			

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 : 02/25/2021

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 B1B0411 - MSSEMI_W										
Blank (B1B0411-BLK1)					Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	ND	0.20	0.05							
Surrogate: 1,2-Dichlorobenzene-d	*0.6003*			*1.00000*		*60.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9468*			*1.00000*		*94.7*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7713*			*1.00000*		*77.1*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.4645*			*1.00000*		*46.4*	*15 - 121*			
LCS (B1B0411-BS1)					Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	1.04840	0.20	0.05	1.00000		105	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.6631*			*1.00000*		*66.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*1.074*			*1.00000*		*107*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8004*			*1.00000*		*80.0*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.6211*			*1.00000*		*62.1*	*15 - 121*			
Matrix Spike (B1B0411-MS1)			**Source: 2100374-04**		Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	1.08968	0.20	0.05	1.00000	ND	109	75 - 155			
Surrogate: 1,2-Dichlorobenzene-d	*0.5800*			*1.00000*		*58.0*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.9256*			*1.00000*		*92.6*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.8233*			*1.00000*		*82.3*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.5019*			*1.00000*		*50.2*	*15 - 121*			
Matrix Spike Dup (B1B0411-MSD1)			**Source: 2100374-04**		Prepared: 2/22/2021 Analyzed: 2/23/2021					
1,4-Dioxane	3.19065	0.20	0.05	1.00000	ND	319	75 - 155	98.2	20	M1, R1
Surrogate: 1,2-Dichlorobenzene-d	*0.5627*			*1.00000*		*56.3*	*13 - 99*			
Surrogate: 2-Fluorobiphenyl	*0.8814*			*1.00000*		*88.1*	*8 - 111*			
Surrogate: 4-Terphenyl-d14	*0.7138*			*1.00000*		*71.4*	*12 - 113*			
Surrogate: Nitrobenzene-d5	*0.4664*			*1.00000*		*46.6*	*15 - 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 :	02/25/2021

Notes and Definitions

R1	RPD value outside acceptance criteria. Reanalysis not possible due to insufficient amount of sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L3	Laboratory control sample outside in-house established limits but within method criteria.
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

2100391

Date: 02/18/2021
Page 1 of 1

PROJECT: Raytheon Main GETS Mid Month Sample

TASK NO.: 532.15

Project Manager Steve Netto
QA Manager Ross Horton
Phone 858.455.6500
Fax 858.455.6533

Sampled By: Ruben Sanchez

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 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
2100391-01	TB-021821	2/18/2021	8:00		X	X			X	2						X									X						X		
02	CEFF	2/18/2021	8:05	X		X			X	3					1	X								X	X						X		
03	CBT	2/18/2021	8:20	X		X			X	3					1	X								X	X						X		
04	POX	2/18/2021	8:25	X		X			X	3					1	X								X	X						X		
05	INF	2/18/2021	8:35	X		X			X	3					1	X							X				X				X		
06	EW-02	2/18/2021	9:05	X		X			X	3					1	X							X			X					X		
07	MW-29	2/18/2021	9:20	X		X			X	3					1	X							X				X				X		
Total number of containers per analysis:										20					6																		

Laboratory
Adcanced Technology Laboratories
Attn: Rachelle Arada
3275 Walnut Ave
Signal Hill, CA 90755
(562) 989-4045

REMARKS

Total No. of Containers: 26

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
H+A	2-18-21 14:15	H+A	2-18-21 14:15
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
H+A	2-18-21 1550	GHC	2/18/21 15:50

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

5.3 Temperature on receipt
SCERT11

Send Results to:
Steve Netto & Ross Horton
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858.455.6500
snetto@hargis.com
rhorton@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. Consult project QA documents for specific instructions.

APPENDIX B

GROUNDWATER SAMPLING FIELD FORM

FEB 2021

ANNUAL 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: 2/16/21

Location: FULLERTON, CA

Presented by: Andrew Donnelly

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
Andrew Donnelly	Andrew Donnelly	HARGIS + ASSOC., INC	2/16/21
Ryne Adams	Ryne Adams	HARGIS + ASSOC., INC	2/16/21
DJ Senior	DJ Senior	HARGIS + ASSOC., INC	2/16/21
Amanda Jamzon	Amanda Jamzon	H+A	2/16/21

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/17/21

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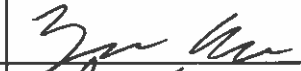
C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Andrew Donnelly		HARGIS + ASSOC., INC	2/17/21
Ryne Adams		HARGIS + ASSOC., INC	2/17/21
Amanda Janzon		HARGIS + ASSOC., INC	2/17/21

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/18/21

Location: FULLERTON, CA

Presented by: Andrew Donnelly

A. GENERAL INTRODUCTION

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C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Andrew Donnelly	Andrew Donnelly	HARGIS + ASSOC., INC	2/18/21
Amanda Janzon	Amanda Janzon	HARGIS + ASSOC., INC	2/18/21
		HARGIS + ASSOC., INC	

HARGIS + ASSOCIATES, INC.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/19/21

Location: FULLERTON, CA

Presented by: Andrew Donnelly

A. GENERAL INTRODUCTION

1. Location of site Health and Safety Plan (HSP) and ensure everyone has read the site HSP.
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3. Sanitation and decontamination (potable water, nonpotable water, toilet, sink, shower).
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C. ON-SITE ORGANIZATION AND COORDINATION

D. OTHER TOPICS:

ATTENDEE LIST

PRINT NAME	SIGNATURE	COMPANY	DATE
Andrew Donnelly		HARGIS + ASSOC., INC	2/19/21
Christian Diaz		HARGIS + ASSOC., INC	02/19/2021
Amanda Santon		HARGIS + ASSOC., INC	2/19/21

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
3/22/21	0736	4.00	4.18	15.8	YSI ProDSS						
↓	0743	10.11	9.98	15.7							
↓	0750	7.04	7.02	15.8	↓						
↓	0752			15.9	↓	6.933	6.940				
↓	0758			16.0	↓			9.99			

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: February 2021

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)	Nov 2020 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
P-07	02/ /21				142.31		111.81			
P-09	02/16/21	0950	TOC	120.91	183.86	63.05	120.85	+0.04		AMD/RA
MW-06	02/16/21	0953	TOC	156.08	184.70	28.62	155.93	-0.15		↓
MW-08	02/ /21				155.91		131.13			
MW-09	02/16/21	0943	TOC	154.51	180.10	25.59	154.32	-0.19		AMD/RA
MW-13	02/16/21	0922	TOC	119.38	141.84	22.46	125.40	+6.02		↓
MW-15	02/ /21				144.95		128.05			
MW-16	02/ /21				142.40		126.66			
MW-17	02/16/21	0931	TOC	119.50	142.70	23.20	125.49	+5.99		AMD/RA
MW-18	02/16/21	0925	TOC	119.90	142.32	22.42	125.94	+6.04		
MW-19	02/16/21	0935	TOST	119.63	142.06	22.43	125.70	+6.07		
MW-20	02/16/21	0956	TOC	151.68	184.19	32.51	150.39	-1.29		
MW-21	02/16/21	1305	TOC	116.07	141.18	25.11	116.02	-0.05	Totalizer: N/A Pumping? N	
MW-22	02/16/21	0836	TOST	116.02	138.65	22.63	122.01	+5.99		
MW-23	02/16/21	0901	TOST	115.53	137.33	21.80	121.74	+6.21		↓
MW-24	02/ /21				142.83		117.41			
MW-25	02/ /21				142.64		117.22			
MW-26A	02/16/21	0903	TOC	117.66	137.04	19.38	119.94	+2.28		AMD/RA
MW-26B	02/16/21	0904	TOC	119.91	137.05	17.14	119.76	-0.15		
MW-26C	02/16/21	0857	TOC	119.86	137.22	17.42	122.96	+3.16		↓

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: February 2021

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)	Nov 2020 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-27	02/16/21	0844	TOST	119.34	137.16	17.82	122.49	+3.15		AMD/RA
MW-28	02/16/21	0915	TOST	123.83	140.77	16.94	126.67	+2.84		↓
MW-29	02/ /21				139.81		186.65P		Totalizer: Pumping?	
MW-30A	02/ /21				129.44		116.30			
MW-30B	02/ /21				129.39		112.95			
MW-31	02/ /21				119.60		105.70			
MW-32A	02/ /21				92.88		81.09			
MW-32B	02/ /21				92.89		80.06			
MW-32C	02/ /21				92.88		71.60			
MW-33	02/ /21			66.31	83.19		72.42			
MW-34A	02/16/21	1058	TOEI	134.31	153.25	18.94	141.85	+7.51		AMP/RA
MW-34B	02/16/21	1059	TOST	137.19	153.11	15.92	140.24	+3.05		↓
MW-34C	02/16/21	1055	TOST	135.33	153.29	17.96	139.17	+3.84		↓
MW-35A	02/ /21				93.57		71.70			
MW-35B	02/ /21				93.56		80.07			
MW-35C	02/ /21				93.55		81.88			
MW-36	02/16/21	1022	TOST	71.04	86.65	15.61	76.28	+5.24		AMD/RA
MW-37	02/16/21	1227	TOST	135.60	155.60	20.00	136.72	+1.12		↓
MW-38	02/16/21	1334	TOST	139.27	154.90	15.63	147.10	+7.83		↓
MW-39	02/16/21	1036	TOST	68.50	84.25	15.75	74.41	+5.91		↓

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: February 2021

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)	Nov 2020 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-40	02/ /21				123.40		108.90			
MW-41	02/16/21	1218	TOST	139.16	155.60	16.44	142.62	3.46		AMD/RA
MW-42	02/ /21				82.80		73.39			
MW-43	02/ /21				76.64		67.57			
EW-01	02/16/21	1310	TOST	122.81	141.07	18.26	125.05	2.24	SOUNDING TUBE TO 172.65 Totalizer: N/A Pumping? N	AMD/RA
EW-02	02/ /21				132.97		123.65		Totalizer: Pumping?	

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

FEBRUARY 2021 GROUNDWATER SAMPLE PLAN
TEAM 1

QA/QC	Total VOC's	1,4-Dixoane	APPROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2021 SAMPLING SCHEDULE	SAMPLE METHOD
	ND	< 0.20	245	24	~~MW-40~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	0.27	< 0.20	120	30	~~MW-38~~	Deep; A	VOCs; 1,4-Dioxane	Ded.240V
	0.41	< 0.20	22	20	~~MW-09~~	Water Table; C	VOCs; 1,4-Dioxane	(Redi-flo)/~~Bailer~~
	1632	1700	2.1	75	~~P-07~~	Perched Zone	VOCs; 1,4-Dioxane (8270 MOD)	Bailer
	ND	< 0.20	155	62	~~MW-26C~~	Deep; B	VOCs; 1,4-Dioxane	Redi-flo
	0.57	< 0.20	152	76	~~MW-18~~	Deep; A	VOCs; 1,4-Dioxane	Redi-flo
	2.4	< 0.20	100	40	~~MW-28~~	Water Table; D	VOCs; 1,4-Dioxane	Redi-flo
	3.2	< 0.20	20	20	~~MW-13~~	Water Table; AB	VOCs; 1,4-Dioxane	Redi-flo
	4.2	0.50	19	24	~~P-09~~	Perched Zone	VOCs; 1,4-Dioxane	Redi-flo
	8.3	NS	16	39	~~MW-06~~	Water Table; D	VOCs	Redi-flo
	16	NS	26	25	~~MW-15~~	Water Table; AB	VOCs	Redi-flo
✓ ✓	85	1.9	20	19	~~MW-08~~	Water Table; BC	VOCs; 1,4-Dioxane	Redi-flo
DUP/SPT	600	62	125	50	~~MW-16~~	Water Table; B	VOCs; 1,4-Dioxane (8270 MOD)	Redi-flo

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 2021 GROUNDWATER SAMPLE PLAN
SUPPLEMENTAL (TEAMS DIVIDE AND CONQUER)

QA/QC	Total VOC's	1,4-Dixoane	APPROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2021 SAMPLING SCHEDULE	PURGE METHOD
	ND	< 0.20	194	14	~~MW-34C~~	Deep; BC	VOCs; 1,4-Dioxane	Ded 240V
	ND	< 0.20	425	44	~~MW-24~~	Deep; C	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	72	19	~~MW-27~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	0.66	< 0.20	75	16	~~MW-30A~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	0.74	< 0.20	203	14	~~MW-34A~~	Deep; A	VOCs; 1,4-Dioxane	Ded 240V
	0.83	< 0.20	108	12	~~MW-28~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
DUP/SPT	32	0.83	927	49	~~MW-42~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	69	29	173	10	~~MW-34B~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded 240V
	129	0.43	148	33	~~MW-30B~~	Deep; BC	VOCs; 1,4-Dioxane	Ded.240V
DUP/SPT	368	15	267	25	~~MW-31~~	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.

FEBRUARY 2021 GROUNDWATER SAMPLE PLAN
TEAM 2

QA/QC	Total VOC's	1,4-Dixoane	APPROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2021 SAMPLING SCHEDULE	SAMPLE METHOD
	87	46	135	15	~~EW-01~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
	963	600	230	12	~~MW-21~~	Water Table; BC	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
	ND	< 0.20	926	45	~~MW-43~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	666	52	~~MW-32A~~	Deep; AB	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	996	96	~~MW-32C~~	Water Table; C	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	921	45	~~MW-35C~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	593	30	~~MW-37~~	Deep; D	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	850	38	~~MW-39~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
DUP/SPT	1.5	< 0.20	230	21	~~MW-41~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	5.0	< 0.20	932	51	MW-33 *	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	73	6.4	973	79	~~MW-36~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded.240V
	97	1.6	66	23	~~MW-32B~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded.240V

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.

* MW-33: Unable to collect sample. Pump fell into well.

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-27

Time 0830 Static DTW (ft below reference point)	120.62	Screen SV Casing Volume (1V) (gallons) 21.1 SV 3 1V (gallons) 63.3	Weather Conditions: Time 0830 Temp. 65; Skies clear; Wind (mph) — From —
Casing Total Depth (ft below reference point)	505.2	Purging Device ded pump Sampling Device ND pipestand	Initials: AMD/RA
pump to screen Water Column (feet)	35.2	Pump: Depth (ft brp) 470 Type grundfos Voltage 240 HP —	Begin Purge 0838 End Purge 0850
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Gallons Purged 81.5 CVs Purged 3.9
			DTW (ft brp) 125.43 Time 0850

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
0838	120.62	0	0			BEGIN PURGE					
0840	125.14	10	0.50	21.8	7.62	0.850	-123.7	1.07	23	—	Q ≈ 8 gpm
0841	125.13	20	1.0	21.2	7.64	0.778	-245.0	0.86	2.15	—	
0842	125.39	30	1.50	21.3	7.51	0.845	-190.0	0.91	4.97	—	
0843	125.39	40	2.0	21.4	7.48	0.850	-157.0	0.91	4.09	—	
0844	125.41	50	2.50	21.3	7.48	0.852	-131.3	0.89	4.86	—	
0846	125.43	60	3.0	21.3	7.49	0.852	-127.6	0.89	4.53	—	COLLECT SAMPLE
0850	NM	81.5	3.9			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 0846

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: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-28

Time 0901 Static DTW (ft below reference point)	123.86	Screen SV Casing Volume (CV) (gallons) 27 3 CV (gallons) 81	Weather Conditions Time 0903 Temp. 70
Casing Total Depth (ft below reference point)	375	Purging Device ded pump Sampling Device 0-10 pipestand	Skies clear
pump to screen Water Column (feet)	45	Pump: Depth (ft brp) 330 Type grundfos Voltage 240 HP –	Wind (mph) – From –
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/RA
			Begin Purge 0910 End Purge 0921
			Gallons Purged 103 CVs Purged 3.8
			DTW (ft brp) 133.80 Time 0921

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
0910	123.86	0	0			BEGIN PURGE					
0911	133.15	13.5	0.50	21.3	7.39	1.069	143.3	2.71	2.38	–	Q ≈ 9 gpm
0913	133.69	27	1.0	21.3	7.40	1.060	143.6	3.20	1.32	–	
0914	133.69	40.5	1.5	21.4	7.41	1.046	147.2	3.20	0.88	–	
0916	133.83	54	2.0	21.4	7.42	1.040	149.8	3.12	1.74	–	
0917	133.80	67.5	2.5	21.4	7.42	1.038	152.6	3.08	0.84	–	
0919	133.80	81	3.0	21.4	7.43	1.036	153.6	3.04	0.96	–	COLLECT SAMPLE
0921	NM	102.3	3.8			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 0919

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: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-24

Time 0958 Static DTW (ft below reference point)	117.21	Casing Volume (CV) (gallons) 140 3 CV (gallons) 421	Weather Conditions Time 1009 Temp. 70
Casing Total Depth (ft below reference point)	330	Purging Device sled pump Sampling Device ND pipestand	Skies clear
Water Column (feet)	212.79	Pump: Depth (ft brp) 283 Type grundfos Voltage 240 HP –	Wind (mph) – From –
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/RA
			Begin Purge 1006 End Purge 1048
			Gallons Purged 457 CVs Purged 3.3
			DTW (ft brp) 127.21 Time 1044

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
1006	117.21	0	0			BEGIN PURGE					
1012	127.75	70	0.50	21.9	8.03	0.557	-99.5	0.58	1.74	–	Q ≈ 10 gpm
1019	127.04	140	1.0	21.9	7.87	0.563	-134.6	0.51	0.73	–	
1025	127.05	210	1.5	21.9	7.85	0.563	-132.0	0.50	0.96	–	
1032	127.12	280	2.0	21.9	7.83	0.563	-142.6	0.48	1.32	–	
1038	127.20	350	2.5	21.9	7.82	0.563	-151.6	0.47	2.03	–	
1044	127.21	421	3.0	21.9	7.81	0.563	-154.3	0.47	2.39	–	COLLECT SAMPLE
1048	NM	457	3.3			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 1044

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: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-38

Time 1202 Static DTW (ft below reference point)	139.35	Casing Volume (CV) (gallons) 36.4 3 CV (gallons) 109	Weather Conditions
Casing Total Depth (ft below reference point)	200	Purging Device ded pump Sampling Device 0-10 pipestand	Time 1205 Temp. 70
Water Column (feet)	60.65	Pump: Depth (ft brp) 190 Type grundfos Voltage 240 HP -	Skies clear
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ___ Fast X	Wind (mph) — From —

Initials: AMD/RA
Begin Purge 1208 End Purge 1241
Gallons Purged 119 CVs Purged 3.3
DTW (ft brp) 139.80 Time 1239

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
1208	139.35	0	0			BEGIN	PURGE				
1213	139.75	18	0.5	21.8	6.80	1.578	81.0	6.58	1.9	—	Q = 4 gpm
1218	139.75	36	1.0	21.8	6.82	1.574	150.9	6.46	0.96	-	
1222	139.80	54	1.5	21.9	6.83	1.571	165.5	6.12	0.96	-	
1228	139.80	72	2.0	21.9	6.84	1.570	185.5	5.89	0.57	-	Pump paused for 2 mins. Retighten electrical connections
1235	139.80	90	2.5	21.9	6.84	1.569	189.6	5.84	0.78	-	
1239	139.80	109	3.0	22.0	6.84	1.565	193.3	5.82	0.93	-	COLLECT SAMPLE
1241	NM	119	3.3			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1239

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/ /21 **TASK:** 532.30 **WELL ID:** MW-41

Time 1254 Static DTW (ft below reference point)	139.25	Screen SV Casing Volume (CV) (gallons) 39 SV 3 CVs (gallons) 117	Weather Conditions	Initials: AMD/RA
Casing Total Depth (ft below reference point)	425	Purging Device ded pump Sampling Device 0-10 pipestand	Time 1254 Temp. 70	Begin Purge 1258 End Purge 1324
pump to screen Water Column (feet)	65	Pump: Depth (ft brp) 360 Type grundfos Voltage 240 HP -	Skies clear	Gallons Purged 243 CVs Purged 6.0
Casing Capacity (Diameter 4 ") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Wind (mph) — From —	DTW (ft brp) 147.86 Time 1321

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
1258	139.25	0	0			BEGIN PURGE					
1300	147.71	20	0.5	21.6	6.83	2.250	77.6	4.76	4.96	-	Q ≒ 10 gpm
1302	147.82	40	1.0	21.9	6.86	2.253	135.6	~~1.77~~ 5.34	17.7	-	
1304	147.84	60	1.5	21.9	6.86	2.255	156.3	5.37	40	-	
1306	147.34	80	2.0	21.9	6.86	2.258	173.3	3.62	17	-	Pump shut off for 2 mins. Restarted.
1313	147.78	120	3.0	22.1	6.87	2.253	181.3	3.39	11.1	-	
1316	147.81	140	3.5	22.1	6.87	2.249	184.3	3.39	11.5	-	
1319	147.85	180	4.5	22.2	6.87	2.265	181.8	3.46	9.81	-	
1321	147.86	200	5.0	22.2	6.88	2.265	181.3	3.44	7.60	-	COLLECT SAMPLE
1324	NM	243	6.0			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1321

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? (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.)

ORG - MW-41 @ 1321
DUP - MW-4100 @ 1323
SPLIT - MW-41 @ 1325

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-30A

Time 1436 Static DTW (ft below reference point)	112.71	Screen SV Casing Volume (CV) (gallons) 17.2 3 SV (gallons) 51.5	Weather Conditions: Time 1437 Temp. 70
Casing Total Depth (ft below reference point)	564	Purging Device ded pump Sampling Device 0-10 pipestand	Skies clear
pump to screen Water Column (feet)	44	Pump: Depth (ft brp) 520 Type grundfos Voltage 240 HP –	Wind (mph) – From –
Casing Capacity (Diameter 3/4") (gallons per foot)	0.39	Monitor Well Recharge Rate: Slow ___ Fast X	Initials: AMO/RA; Begin Purge 1445 End Purge 1456; Gallons Purged 65 CVs Purged ___; DTW (ft brp) 114.75 Time 1454

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
1445	112.71	0	0			BEGIN PURGE					
1446	114.75	9	0.5	21.2	7.47	0.831	-51.4	1.47	2.11	–	Q ≈ 8 gpm
1448	114.75	17	1.0	21.2	7.54	0.831	-1.1	1.48	1.09	–	
1449	114.75	26	1.5	21.3	7.57	0.829	37.6	1.36	1.31	–	
1451	114.75	34	2.0	21.4	7.55	0.828	59.6	1.35	0.99	–	
1452	114.75	43	2.5	21.5	7.54	0.825	66.6	1.32	0.62	–	
1454	114.75	52	3.0	21.5	7.53	0.825	72.4	1.3	0.73	–	COLLECT SAMPLE
1456	NM	65	3.8			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1454

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: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-30B

Time 1501 Static DTW (ft below reference point)	109.61	Screen SV ~~Casing~~ Volume (CV) (gallons) 37.4 SV 3 CV (gallons) 112.3	Weather Conditions: Time 1501 Temp. 70; Skies clear; Wind (mph) – From –
Casing Total Depth (ft below reference point)	616	Purging Device ded pump Sampling Device >100 pipestand	Initials: AMD/RA
pump to screen Water Column (feet)	96	Pump: Depth (ft brp) 520 Type grundfos Voltage 240 HP –	Begin Purge 1503 End Purge 1526
Casing Capacity (Diameter 3") (gallons per foot)	0.39	Monitor Well Recharge Rate: Slow ____ Fast X	Gallons Purged 124 CVs Purged 3.3
			DTW (ft brp) 1526 Time 137.04

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
1503	109.61	0	0			BEGIN		PURGE			
1506	132.15	19	0.5	21.4	7.23	1.489	177.0	3.60	0.70	–	Q ≅ 5 gpm
1511	134.51	38	1.0	21.6	7.10	1.834	-35.4	4.80	0.80	–	
1514	135.36	57	1.5	21.7	7.08	1.895	27.6	5.10	1.30	–	
1519	136.31	76	2.0	21.7	7.21	1.490	69.3	4.63	1.94	–	
1522	136.69	95	2.5	21.7	7.24	1.445	83.3	4.49	1.96	–	
1526	137.04	113	3.0	21.7	7.24	1.437	97.3	4.41	1.73	–	COLLECT SAMPLE
1528	NM	124	3.3			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1526

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-26C

Time 0810 Static DTW (ft below reference point)	119.75	screen SV ~~Casing~~ Volume (1V) (gallons) 49 3 SV (gallons) 147	Weather Conditions: Time 0810 Temp 65
Casing Total Depth (ft below reference point)	499	Purging Device grundfos Sampling Device ded tubing	Skies clear
pump to screen Water Column (feet)	299	Pump: Depth (ft brp) ~200 Type MP1 Voltage 115 HP 0.5	Wind (mph) – From –
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/RA
			Begin Purge 0814 End Purge 0916
			Gallons Purged 157 CVs Purged 3.1
			DTW (ft brp) 119.40 Time 0914

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
0814	119.75	0	0			BEGIN PURGE					
0824	119.40	25	0.5	21.5	9.34	0.406	32.0	1.64	3.01	320	Q≈2.5gpm
0834	119.40	50	1.0	21.9	8.45	0.677	-11.5	1.92	1.32	320	
0844	119.40	75	1.5	22.2	7.97	0.840	-49.9	1.61	0.87	320	
0854	119.40	100	2.0	22.4	7.82	0.862	-61.1	1.50	0.57	320	
0904	119.40	125	2.5	22.4	7.74	0.864	-64.7	1.77	0.57	320	
0914	119.40	147	3.0	22.1	7.75	0.860	-66.3	1.83	0.71	320	COLLECT SAMPLE
0916	NM	157	3.1			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 0914

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-06

Time 0957 Static DTW (ft below reference point)	155.99	Casing Volume (CV) (gallons) 5.5	3 CV (gallons) 16.5	Weather Conditions	Initials: AMD/RA
Casing Total Depth (ft below reference point)	189.6	Purging Device grundfos	Sampling Device ded tubing	Time 1000 Temp. 65	Begin Purge 1009 End Purge 1044
Water Column (feet)	33.61	Pump: Depth (ft brp) ~186 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 17 CVs Purged 3.1
Casing Capacity (Diameter 2") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow	Fast x	Wind (mph) 5 From E	DTW (ft brp) 170.10 Time 1043

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
1009	155.99	0	0			BEGIN	PURGE				
1012	167.65	3	0.5	20.4	7.34	1.549	92.9	6.87	NM	302	Q≅ 0.8 gpm
1017	168.00	6	1.0	23.6	7.31	1.546	99.7	6.96	28.7	302	
1024	168.08	9	1.5	23.9	7.34	1.554	105.9	6.83	22	302	Q≅ 0.5 gpm
1030	169.51	12	2.0	24.0	7.35	1.555	119.1	6.81	11.4	302	
1034	170.03	14	2.5	24.0	7.35	1.557	121.6	6.86	11.1	302	Q≅ 0.3 gpm
1043	170.10	16.5	3.0	23.1	7.31	1.549	128.6	7.02	12.1	302	COLLECT SAMPLE
1044	NM	17	3.1			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1043

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.)

INSTALLED NEW 3/8 IN TUBING.

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/18/21 **TASK:** 532.30 **WELL ID:** P-09

Time 1104 Static DTW (ft below reference point)	121.04	Casing Volume (CV) (gallons) 5.6 3 CV (gallons) 16.9	Weather Conditions: Time 1104 Temp. 70
Casing Total Depth (ft below reference point)	129.60	Purging Device grundfos Sampling Device ded tubing	Skies clear
Water Column (feet)	8.56	Pump: Depth (ft brp) ~129 Type MP1 Voltage 115 HP 0.5	Wind (mph) ~ From ~
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/RA; Begin Purge 1107 End Purge 1138; Gallons Purged 18 CVs Purged 3.2; DTW (ft brp) 125.31 Time 1137

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
1107	121.04	0	0			BEGIN	PURGE				
1111	122.78	3	0.5	24.3	6.73	3.553	127.3	4.64	4.4	258	Q ≈ 1 gpm
1115	123.41	6	1.0	24.1	6.79	3.600	124.7	5.05	1.23	258	
1119	124.25	9	1.5	23.6	6.84	3.566	118.4	5.00	0.90	258	
1123	125.09	12	2.0	24.2	6.86	3.542	119.1	5.04	0.78	256	Q ≈ 0.6 gpm
1128	125.51	14.5	2.5	24.0	6.89	3.556	117.6	5.45	0.75	251	Q ≈ 0.5 gpm
1136	125.31	17	3.0	23.9	6.79	3.547	111.0	4.89	0.79	251	COLLECT SAMPLE
1138	NM	18	3.2			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1136

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-21

Time 1306 Static DTW (ft below reference point)	116.04	Casing Volume (CV) (gallons) 77 3 CV (gallons) 230	Weather Conditions Time 1312 Temp. 70
Casing Total Depth (ft below reference point)	232.1	Purging Device ded pump Sampling Device ded sample port	Skies clear
Water Column (feet)	116.06	Pump: Depth (ft brp) – Type – Voltage – HP –	Wind (mph) – From –
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/RA
			Begin Purge 1312 End Purge 1327
			Gallons Purged 275 CVs Purged 3.6
			DTW (ft brp) 137.70 Time 1325

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
1312	116.04	0	0			BEGIN PURGE					
1314	136.19	36	0.5	22.1	7.25	2.089	11.3	1.14	7.32	–	Q ≅ 18 gpm
1316	136.72	72	1.0	22.0	7.17	2.256	46.3	2.46	2.05	–	
1318	137.00	108	1.5	22.0	7.13	2.298	66.0	3.21	4.91	–	
1320	137.29	144	1.9	22.0	7.10	2.308	89.3	3.75	2.13	–	
1322	137.48	180	2.3	22.0	7.09	2.307	95.0	4.14	1.79	–	
1325	137.70	234	3.0	21.9	7.07	2.315	106.7	4.81	1.63	–	COLLECT SAMPLE
1327	NM	275	3.6			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1325

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: 2/18/21 **TASK:** 532.30 **WELL ID:** EW-01

Time 1330 Static DTW (ft below reference point)	122.95	Casing Volume (CV) (gallons) 43	3 CV (gallons) 129	Weather Conditions	Initials: AMD/RA
Casing Total Depth (ft below reference point)	188.1	Purging Device ded pump	Sampling Device ded sample port	Time 1333 Temp. 70	Begin Purge 1334 End Purge 1348
Water Column (feet)	65.15	Pump: Depth (ft brp) – Type – Voltage – HP –		Skies clear	Gallons Purged 154 CVs Purged 3.6
Casing Capacity (Diameter 4 ") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X		Wind (mph) – From –	DTW (ft brp) 123.55 Time 1346

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
1334	122.95	0	0			BEGIN PURGE					
1337	123.49	33	0.75	22.2	7.09	1.724	126.8	3.27	3.44	–	Q ≈ 11 gpm
1338	123.53	44	1.0	22.5	7.09	1.711	126.8	3.26	NM	–	
1340	123.55	66	1.5	22.4	7.08	1.696	131.7	3.34	2.63	–	
1342	123.58	88	2.0	22.4	7.10	1.680	136.4	3.41	3.01	–	
1344	123.55	110	2.5	22.3	7.10	1.663	141.6	3.53	0.76	–	
1348	123.55	132	3.0	22.4	7.11	1.644	145.3	3.57	1.61	–	COLLECT SAMPLE
1348	NM	154	3.6			END	PURGE				

SAMPLE COLLECTION SAMPLE TIME 1346

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-09

Time 1432 Static DTW (ft below reference point)	154.36	Casing Volume (CV) (gallons) 6.2 3 CV (gallons) 18.5	Weather Conditions: Time 1417 Temp. 60
Casing Total Depth (ft below reference point)	192.20	Purging Device grundfos Sampling Device ded tubing	Skies clear
Water Column (feet)	37.84	Pump: Depth (ft brp) ~190 Type MP1 Voltage 115 HP 0.5	Wind (mph) – From –
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD/RA; Begin Purge 1438 End Purge 1512; Gallons Purged 19 CVs Purged 3.1; DTW (ft brp) ____ Time 1511

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
~~1438~~ ~~1433~~	154.36	0	0	—	—	BEGIN PURGE	—	—	—	—	
1444	154.91	3	0.5	23.8	6.85	2.910	151.9	3.92	9.21	302	Q ≈ 0.5 gpm
1450	154.86	6	1.0	26.8	6.81	2.938	146.6	3.62	7.78	302	
1456	154.91	9	1.5	26.0	6.81	2.935	146.5	3.66	4.37	302	
1501	154.91	12	2.0	25.7	6.82	2.933	149.3	3.65	1.77	302	
1506	154.05	15	2.5	24.8	6.82	2.930	110.61	3.65	1.72	302	
1511	155.05	18.5	3.0	24.6	6.82	2.929	109.32	3.65	1.68	302	COLLECT SAMPLE
1512	NM	19	3.1	—	—	END PURGE	—	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 1511

ANALYSIS	QUANTITY	TYPE
8260B VOCs	6	40 ml VOA
8270 SIM 1,4 dioxane	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.)

Collect rinsate blank RB-021821 @ 1530 (3 VOAs + 1L amber)

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/19/21 **TASK:** 532.30 **WELL ID:** MW-13

Time 1013 Static DTW (ft below reference point)	119.08	Casing Volume (CV) (gallons) 6.6	3 CV (gallons) 19.8	Weather Conditions	Initials: AMD/RA
Casing Total Depth (ft below reference point)	159.6	Purging Device grundfos	Sampling Device ded tubing	Time 1015 Temp. 75	Begin Purge 1020 End Purge 1036
Water Column (feet)	40.52	Pump: Depth (ft brp) ~157 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 23 CVs Purged 3.5
Casing Capacity (Diameter 2") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow ____	Fast X	Wind (mph) — From —	DTW (ft brp) 119.66 Time 1034

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
1020	119.08	0	0			BEGIN PURGE					
1022	119.48	3	0.5	22.0	7.34	1.507	152.1	7.95	15.5	270	Q≅ 1.5 gpm
1024	119.52	6	1.0	22.4	7.32	1.503	166.0	7.88	10.2	270	
1026	119.55	9	1.5	22.7	7.33	1.500	160.7	7.85	3.73	270	
1028	119.66	13	2.0	22.9	7.32	1.505	166.7	7.89	1.10	270	
1032	119.66	18	2.5	23.0	7.31	1.506	170.0	7.89	0.90	270	
1034	119.66	20	3.0	23.0	7.31	1.508	172.1	7.88	1.11	270	COLLECT SAMPLES
1036	NM	23	3.5			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 1034

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-18

Time 0819 Static DTW (ft below reference point)	119.33	Casing Volume (CV) (gallons) 49	3 CV (gallons) 148	Weather Conditions	Initials: AMD
Casing Total Depth (ft below reference point)	194.1	Purging Device grundfos	Sampling Device ded. tubing	Time 0834 Temp. 70	Begin Purge 0824 End Purge 0940
Water Column (feet)	74.77	Pump: Depth (ft brp) ~192 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 152 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) 143.22 Time 0938

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
0824	119.33	0	0			BEGIN PURGE					
0837	141.58	25	0.5	22.3	7.14	1.359	186.0	6.54	4.11	300	Q ≈ 2 gpm
0849	142.30	50	1.0	22.3	7.14	1.377	184.2	6.62	3.09	306	
0902	142.70	75	1.5 ~~1.0~~	22.3	7.14	1.411	182.3	6.71	2.74	300	
0914	143.00	100	2.0	22.4	7.14	1.459	178.7	6.81	2.40	300	
0926	143.15	125	2.5	22.3	7.14	1.487	178.2	6.72	2.31	300	
0938	143.22	148	3.0	22.3	7.14	1.488	178.4	6.67	2.18	300	COLLECT SAMPLE
0940	NM	152	3.1			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 0938

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: 2/19/21 **TASK:** 532.30 **WELL ID:** MW-15

Time 1149 Static DTW (ft below reference point)	127.80	Casing Volume (CV) (gallons) 7	3 CV (gallons) 21	Weather Conditions	Initials: AMO/RA
Casing Total Depth (ft below reference point)	170.80	Purging Device grundfos	Sampling Device ded tubing	Time 1142 Temp 70	Begin Purge 1153 End Purge 1216
Water Column (feet)	43.00	Pump: Depth (ft brp) ~167 Type MP 1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 23 CVs Purged 3.3
Casing Capacity (Diameter 2") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow ____	Fast X	Wind (mph) — From —	DTW (ft brp) 128.86 Time 1214

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
1153	127.80	0	0			BEGIN PURGE					
1156	128.71	3	0.5	23.7	7.00	1.969	135.1	6.94	50.1	300	Q ≈ 1 gpm
1200	128.86	7	1.0	23.8	6.98	1.975	145.6	7.02	35.1	300	
1203	128.86	10	1.5	23.5	6.98	1.971	156.3	7.00	15.9	300	
1207	128.86	14	2.0	23.4	6.98	1.974	165.3	6.98	18.4	300	
1210	128.86	17	2.5	23.4	6.98	1.978	173.3	6.98	3.49	300	
1214	128.86	21	3.0	23.4	6.98	1.979	176.3	6.98	2.63	300	COLLECT SAMPLE
1216	NM	23	3.3			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 1214

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: 2/19/21 **TASK:** 532.30 **WELL ID:** MW-08

Time 1244 Static DTW (ft below reference point)	131.59	Casing Volume (CV) (gallons) 5.6	3 CV (gallons) 16.8	Weather Conditions	Initials: AMD/RA
Casing Total Depth (ft below reference point)	166.10	Purging Device grundfos	Sampling Device ded tubing	Time 1238 Temp. 70	Begin Purge ~~1247~~ 1247 End Purge 1303
Water Column (feet)	34.51	Pump: Depth (ft brp) ~164 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 18 CVs Purged 3.2
Casing Capacity (Diameter 2") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow ____	Fast X	Wind (mph) — From —	DTW (ft brp) 134.25 Time 1302

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
1247	131.59	0	0			BEGIN PURGE					
1249	133.96	3	0.5	22.6	7.25	1.841	188.8	1.88	NM	280	Q≅ 1 gpm
1251	134.09	6	1.0	22.7	7.22	1.808	186.8	1.90	6.33	280	
1254	134.14	9	1.5	23.0	7.18	1.768	184.3	1.71	1.77	280	
1257	134.21	12	2.0	23.1	7.18	1.774	182.3	1.67	1.63	280	
1259	134.24	14.5	2.5	23.1	7.17	1.776	180.4	1.66	1.11	280	
1302	134.25	17	3.0	23.1	7.17	1.776	179.9	1.66	0.78	280	COLLECT SAMPLE
1303	NM	18	3.2			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 1302

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: 2/19/21 **TASK:** 532.30 **WELL ID:** MW-20

Time 1340 Static DTW (ft below reference point)	151.68	Casing Volume (CV) (gallons) 28	3 CV (gallons) 84	Weather Conditions	Initials: AMD/RA
Casing Total Depth (ft below reference point)	198.2	Purging Device grundfos	Sampling Device ded tubing	Time 1402 Temp. 75	Begin Purge 1347 End Purge 1449
Water Column (feet)	46.52	Pump: Depth (ft brp) ~196 Type MP1	Voltage 115 HP 0.5	Skies clear	Gallons Purged 86 CVs Purged 3.1
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ___	Fast X	Wind (mph) — From —	DTW (ft brp) 156.46 Time 1447

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
1347	151.68	0	0			BEGIN PURGE					
1400	155.02	14	0.50	23.7	7.46	1.261	160.1	5.71	3.64	305	Q≈ 1 gpm
1410	156.10	28	1.0	23.6	7.46	1.259	163.4	5.55	2.59	305	
1421	156.30	42	1.5	23.8	7.46	1.262	169.8	5.67	1.88	305	
1430	156.37	56	2.0	23.6	7.46	1.265	174.1	5.70	1.34	305	
1440	156.45	70	2.5	24.0	7.46	1.265	176.3	5.66	2.28	305	
1447	156.46	84	3.0	24.0	7.46	1.266	177.4	5.71	1.92	305	COLLECT SAMPLE
1449	NM	86	3.1			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 1447

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: 2/22/21 **TASK:** 532.30 **WELL ID:** MW-16

Time 0840 Static DTW (ft below reference point)	124.18	Casing Volume (CV) (gallons) 36 3 CV (gallons) 108	Weather Conditions: Time 0840 Temp. 70
Casing Total Depth (ft below reference point)	178.50	Purging Device grundfos Sampling Device ded. tubing	Skies clear
Water Column (feet)	54.32	Pump: Depth (ft brp) ~175 Type MP1 Voltage 115 HP 0.5	Wind (mph) — From —
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD; Begin Purge 0843 End Purge 0935; Gallons Purged 118 CVs Purged 3.3; DTW (ft brp) 127.39 Time 0931

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
0843	124.18	0	0			BEGIN PURGE					
0851	127.00	18	0.5	22.6	7.19	1.974	116.9	3.86	2.02	310	Q ≈ 2.25 gpm
0859	127.11	36	1.0	22.6	7.25	1.997	118.3	3.88	2.63	310	
0907	127.22	54	1.5	22.5	7.29	2.008	119.8	3.93	2.33	310	
0915	127.34	72	2.0	22.4	7.30	2.013	120.1	3.92	2.58	310	
0923	127.38	90	2.5	22.4	7.29	2.028	121.8	4.02	2.31	310	
0931	127.39	108	3.0	22.4	7.29	2.039	123.2	4.09	2.22	310	COLLECT SAMPLE
0935	NM	118	3.3			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 0931

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.)

Original: MW-16 @ 0931
Duplicate: MW-1600 @ 0933
Split: MW-16 @ 0935

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/22/21 **TASK:** 532.30 **WELL ID:** MW-34C

Time 1030 Static DTW (ft below reference point)	135.08	Screen SV Casing Volume (CV) (gallons) 57.6 3 SV (gallons) 173	Weather Conditions Time 1036 Temp. 70
Casing Total Depth (ft below reference point)	576	Purging Device grundfos Sampling Device ND pipestand	Skies clear
pump to screen Water Column (feet)	96	Pump: Depth (ft brp) 480 Type grundfos Voltage 240 HP –	Wind (mph) – From –
Casing Capacity (Diameter 4 ") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD
			Begin Purge 1040 End Purge 1052
			Gallons Purged 196 CVs Purged 3.4
			DTW (ft brp) NM Time –

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
1040	135.08	0	0	BEGIN PURGE							
1043	NM	29	0.5	21.5	7.78	1.679	-69.2	1.51	3.41	–	Q ≈ 15 gpm
1046	NM	58	1.0	21.6	7.73	1.621	-91.9	1.10	0.67	–	transducer is set at 150ft btoc
1047	NM	87	1.5	21.8	7.73	1.627	-104.6	1.05	NM	–	and blocking water level meter
1048	NM	116	2.6	21.9	7.64	1.714	-112.6	0.86	0.88	–	
1050	NM	145	2.5	21.9	7.62	1.724	-114.3	0.84	1.04	–	
1051	NM	173	3.0	21.9	7.61	1.731	-113.9	0.81	0.96	–	COLLECT SAMPLE
1052	NM	196	3.4	END PURGE							

SAMPLE COLLECTION SAMPLE TIME 1051

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: 2/22/21 **TASK:** 532.30 **WELL ID:** MW-34B

Time 1110 Static DTW (ft below reference point)	136.78	Screen SV Casing Volume (CV) (gallons) 46 3 CV (gallons) 138	Weather Conditions: Time 1114 Temp. 70
Casing Total Depth (ft below reference point)	536	Purging Device ded. pump Sampling Device 10-400 pipe stand	Skies clear
pump to screen Water Column (feet)	76	Pump: Depth (ft brp) 460 Type grundfos Voltage 240 HP -	Wind (mph) — From —
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMD
			Begin Purge 1118 End Purge 1129
			Gallons Purged 160 CVs Purged 3.5
			DTW (ft brp) 138.96 Time 1127

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
1118	136.78	0	6	—	—	BEGIN	PURGE	—	—	—	
1120	138.45	23	0.5	21.5	7.35	1.799	-92.1	1.32	NM	-	Q ≈ 15 gpm
1121	138.70	46	1.0	21.7	7.40	1.791	-38.1	1.49	14.5	-	
1123	138.80	69	1.5	21.7	7.42	1.795	-13.2	1.54	6.87	-	
1124	138.92	92	2.0	21.8	7.41	1.797	-12.3	1.55	5.34	-	
1125	138.96	115	2.5	21.8	7.40	1.797	-14.9	1.57	4.44	-	
1127	138.96	138	3.0	21.8	7.40	1.796	-13.4	1.58	2.63	-	COLLECT SAMPLE
1129	NM	160	3.5	—	—	END	PURGE	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 1127

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.)

FEB 2021

ANNUAL 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.

DAILY FIELD SAFETY BRIEFING ATTENDANCE SHEET

Date: 2/22/21

Location: FULLERTON, CA

Presented by: Andrew Donnelly

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
Andrew Donnelly	A Donnelly	HARGIS + ASSOC., INC	2/22/21
		HARGIS + ASSOC., INC	
		HARGIS + ASSOC., INC	

HARGIS + ASSOCIATES, INC.

WATER LEVEL INDICATOR
CALIBRATION DOCUMENTATION FORM

MW-32A

PROJECT NUMBER:**532.30**

DATE	TIME	WATER LEVEL INDICATOR TYPE	WATER LEVEL INDICATOR NUMBER	CALIBRATION METHOD	CALIBRATED BY (INITIALS)	REMARKS
2/16/21	0815	Solinst Level	N/A (1)		AMJ	75.56
1	0817	Solinst Level	776946 block		AMJ	75.57
↓	0818	Geotech	7094		AMJ	75.60
↓	0820	Geotech	9096		AMD	75.60

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
2/22/21	0735	10.15	10.12	15.5	prodss						
↓	0739	4.00	4.14	15.9	FAD4080						
↓	0744	7.04	6.96	16.2	↓						
	0747					7.857	7.204	9.624			

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: February 2021

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)	Nov 2020 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
P-07	02/16/21	1320	TOC	111.64	142.31	30.67	111.81	+0.17		AMS/DJS
P-09	02/ /21				183.86		120.85			
MW-06	02/ /21				184.70		155.93			
MW-08	02/16/21	1209	TOC	131.58	155.91	24.33	131.13	-0.45		AMS/DJS
MW-09	02/ /21				180.10		154.32			
MW-13	02/ /21				141.84		125.40			
MW-15	02/16/21	12:35	TOC	128.04	144.95	16.91	128.05	*0.01		AMS/DJS
MW-16	02/16/21	13:13	TOC	124.48	142.40	17.92	126.66	+ 2.18		↓
MW-17	02/ /21				142.70		125.49			
MW-18	02/ /21				142.32		125.94			
MW-19	02/ /21				142.06		125.70			
MW-20	02/ /21				184.19		150.39			
MW-21	02/ /21				141.18		116.02		Totalizer: Pumping?	
MW-22	02/ /21				138.65		122.01			
MW-23	02/ /21				137.33		121.74			
MW-24	02/16/21	13:10	TOST	117.11	142.83	25.72	117.41	+0.30		AMS/DJS
MW-25	02/16/21	1318	TOC	119.38	142.64	23.26	117.22	-2.16		↓
MW-26A	02/ /21				137.04		119.94			
MW-26B	02/ /21				137.05		119.76			
MW-26C	02/ /21				137.22		122.96			

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: February 2021

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)	Nov 2020 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-27	02/ /21				137.16		122.49			
MW-28	02/ /21				140.77		126.67			
MW-29	02/16 /21	1218	TOST	185.30p	139.81	-45.49	186.65P	1.35	Totalizer: 1514166.8 Pumping? yes	
MW-30A	02/16 /21	10:40	TOST	112.72	129.44	16.72	116.30	3.58		
MW-30B	02/16 /21	1043	TOST	109.51	129.39	19.88	112.95	3.44		
MW-31	02/16 /21	1019	TOST	100.98	119.60	18.62	105.70	+4.72		AMS/DTS
MW-32A	02/16 /21	0818	TOST	75.60	92.88	17.28	81.09	+ 5.49		
MW-32B	02/16 /21	0820	TOST	75.29	92.89	17.60	80.06	+ 4.77		
MW-32C	02/16 /21	0820	TOST	69.77	92.88	23.11	71.60	+ 1.83		
MW-33	02/18 /21	1305	TOST	66.31	83.19	16.88	72.42	+6.11	well inaccessible on 2/16 due to parked car	
MW-34A	02/ /21				153.25		141.85			
MW-34B	02/ /21				153.11		140.24			
MW-34C	02/ /21				153.29		139.17			
MW-35A	02/16 /21	0931	TOST	64.05	93.57	29.52	71.70	+7.65		AMS/DTS
MW-35B	02/16 /21	0929	TOST	73.29	93.56	20.27	80.07	+ 6.98		
MW-35C	02/16 /21	0930	TOST	76.17	93.55	17.43	81.88	+5.76		
MW-36	02/ /21				86.65		76.28			
MW-37	02/ /21				155.60		136.72			
MW-38	02/ /21				154.90		147.10			
MW-39	02/ /21				84.25		74.41			

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

STATIC WATER LEVEL DATA SHEET

MONTH/YEAR: February 2021

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)	Nov 2020 PREVIOUS DEPTH TO WATER (ft)	CHANGE IN WATER LEVEL (± ft)	COMMENTS	INITIALS
MW-40	02/16/21	1013	TOST	104.41	123.40	18.99	108.90	+4.49		AMJ/DJS
MW-41	02/ /21				155.60		142.62			
MW-42	02/16/21	0911	TOST	67.17	82.80	15.63	73.39	+6.22		AMJ/DJS
MW-43	02/16/21	0855	TOST	61.31	76.64	15.33	67.57	+6.26		AMJ/DJS
EW-01	02/ /21				141.07		125.05		SOUNDING TUBE TO 172.65 Totalizer: Pumping?	
EW-02	02/16/21	1245	TOST	121.19	132.97	11.78	123.65	+2.46	Totalizer: 19966610 Pumping? Y	AMJ/DJS

msl = Mean sea level
ft = feet

HARGIS + ASSOCIATES, INC.

FEBRUARY 2021 GROUNDWATER SAMPLE PLAN
TEAM 2

QA/QC	Total VOC's	1,4-Dixoane	APPROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2021 SAMPLING SCHEDULE	SAMPLE METHOD
	87	46	135	15	~~EW-01~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
	963	600	230	12	~~MW-21~~	Water Table; BC	VOCs; 1,4-Dioxane (8270 MOD)	Dedicated
	ND	< 0.20	926	45	~~MW-43~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	666	52	~~MW-29A~~	Deep; AB	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	996	96	~~MW-29C~~	Water Table; C	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	921	45	~~MW-35C~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	593	30	~~MW-37~~	Deep; D	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	850	38	~~MW-39~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
DUP/SPT	1.5	< 0.20	230	21	~~MW-41~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	5.0	< 0.20	932	51	~~MW-33~~ N/S	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	73	6.4	973	79	~~MW-36~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded.240V
MS/MSD	97	1.6	66	23	~~MW-32B~~	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded.240V

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 2021 GROUNDWATER SAMPLE PLAN
TEAM 1

QA/QC	Total VOC's	1,4-Dixoane	APPROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2021 SAMPLING SCHEDULE	SAMPLE METHOD
	ND	< 0.20	245	24	MW-40	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	0.27	< 0.20	120	30	~~MW-38~~	Deep; A	VOCs; 1,4-Dioxane	Ded.240V
	0.41	< 0.20	22	20	~~MW-09~~	Water Table; C	VOCs; 1,4-Dioxane	Redi-flo/Bailer
	1632	1700	2.1	75	~~P-07~~	Perched Zone	VOCs; 1,4-Dioxane (8270 MOD)	Bailer
	ND	< 0.20	155	62	~~MW-20C~~	Deep; B	VOCs; 1,4-Dioxane	Redi-flo
	0.57	< 0.20	152	76	~~MW-18~~	Deep; A	VOCs; 1,4-Dioxane	Redi-flo
	2.4	< 0.20	100	40	~~MW-20~~	Water Table; D	VOCs; 1,4-Dioxane	Redi-flo
	3.2	< 0.20	20	20	~~MW-13~~	Water Table; AB	VOCs; 1,4-Dioxane	Redi-flo
	4.2	0.50	19	24	~~P-09~~	Perched Zone	VOCs; 1,4-Dioxane	Redi-flo
	8.3	NS	16	39	~~MW-06~~	Water Table; D	VOCs	Redi-flo
	16	NS	26	25	~~MW-15~~	Water Table; AB	VOCs	Redi-flo
	85	1.9	20	19	~~MW-08~~	Water Table; BC	VOCs; 1,4-Dioxane	Redi-flo
DUP/SPT	600	62	125	50	~~MW-46~~	Water Table; B	VOCs; 1,4-Dioxane (8270 MOD)	Redi-flo

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 2021 GROUNDWATER SAMPLE PLAN
SUPPLEMENTAL (TEAMS DIVIDE AND CONQUER)

QA/QC	Total VOC's	1,4-Dixoane	APPROX. GALLONS	ESTIMATED TIME (minutes)	WELL IDENTIFIER	HYDROGEOLOGIC ZONE	FEBRUARY 2021 SAMPLING SCHEDULE	PURGE METHOD
	ND	< 0.20	194	14	MW-34C	Deep; BC	VOCs; 1,4-Dioxane	Ded 240V
	ND	< 0.20	425	44	~~MW-24~~	Deep; C	VOCs; 1,4-Dioxane	Ded.240V
	ND	< 0.20	72	19	~~MW-27~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	0.66	< 0.20	75	16	~~MW-30A~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
	0.74	< 0.20	203	14	~~MW-34A~~	Deep; A	VOCs; 1,4-Dioxane	Ded 240V
	0.83	< 0.20	108	12	~~MW-28~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
✓ DUP / ✓ SPT	32	0.83	927	49	~~MW-42~~	Deep; B	VOCs; 1,4-Dioxane	Ded.240V
DUP / SPT	69	29	173	10	MW-34B	Deep; B	VOCs; 1,4-Dioxane (8270 MOD)	Ded 240V
	129	0.43	148	33	~~MW-30B~~	Deep; BC	VOCs; 1,4-Dioxane	Ded.240V
✓ DUP / ✓ SPT	368	15	267	25	~~MW-31~~	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: 2/17/21 **TASK:** 532.30 **WELL ID:** P-07

Time 0900 Static DTW (ft below reference point)	111.66	Casing Volume (CV) (gallons) 0.77 3 CV (gallons) 2.31	Weather Conditions Time 0900 Temp. 52
Casing Total Depth (ft below reference point)	116.38	Purging Device bailer Sampling Device bailer	Skies clear
Water Column (feet)	4.72	Pump: Depth (ft brp) — Type — Voltage — HP —	Wind (mph) — From —
Casing Capacity (Diameter 2 ") (gallons per foot)	0.163	Monitor Well Recharge Rate: Slow X Fast	Initials: AMS / RA
			Begin Purge 0910 End Purge 1330
			Gallons Purged 1.3 CVs Purged 1.7
			DTW (ft brp) 111.81 Time 1330

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
0900	111.66	0	0	~	~	begin		purge		—	
0935	113.02	0.4	0.5	22.9	7.11	3229	144.9	7.94	89	—	
0949	113.90	0.8	1.0	22.3	7.19	3336	148.6	7.42	88	—	
1007	114.02	1.2	1.6	23.1	7.40	3312	147.5	7.39	142	—	bailer getting stuck on sides of
1042	NM	1.2	1.6	~	end purge			~		—	PVC casing, difficult to reach
1330	111.81	~1.3	~1.7	21.0	7.32	3330	128.5	7.69	244	—	water. unable to collect
											more purge water from bailer
											will return in 2 hrs

SAMPLE COLLECTION SAMPLE TIME 1330

ANALYSIS	QUANTITY	TYPE
8260B VOCs	3	40 ml VOA
8270 SIM 1,4 dioxane	1	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: 2/17/21 **TASK:** 532.30 **WELL ID:** MW-34A

Time 1459 Static DTW (ft below reference point)	134.49	screen ~~Casing~~ Volume (CV) (gallons) 48 3 CV (gallons) 144	Weather Conditions Time 1503 Temp. 65
Casing Total Depth (ft below reference point) 280	280	Purging Device ded. pump Sampling Device 0-10 peristaltic	Skies clear
pump to screen Water Column (feet)	80	Pump: Depth (ft brp) 200 Type grundfos Voltage 240 HP	Wind (mph) — From —
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AM/DJS
			Begin Purge 1503 End Purge 1519
			Gallons Purged 320 CVs Purged 6.7
			DTW (ft brp) 137.52 Time 1512

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
1503	134.49	0	0	~	~	begin purge			~	—	Q= 20 gpm
1505	137.22	24	0.5	21.2	7.48	2285	125.0	6.45	280	—	
1507	137.49	74	1.5	20.9	7.35	2206	126.1	6.75	281	—	
1508	137.49	90	1.9	20.8	7.29	2194	124.0	6.61	283	—	
1509	137.49	113	2.4	20.9	7.28	2195	122.1	6.69	247	—	
1512	137.52	175	3.6	20.7	7.30	2188	122.4	6.46	25.9	—	
1514	NM	232	4.8	20.8	7.29	2184	124.6	6.54	AM1 ~~11.2~~ 10.32	—	~~AM1 calibrate~~ blank turbidity meter
1516	NM	255	5.3	20.7	7.28	2182	121.6	6.42	9.56	—	collect samples
1519	NM	320	6.7	~	~	pump	off	~	~	~	

SAMPLE COLLECTION SAMPLE TIME ~~1518~~ 1517

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.)

New pump installed

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/18/21 TASK: 532.30 WELL ID: MW-43

Time 0800 Static DTW (ft below reference point): 61.21
Casing Total Depth (ft below reference point): 1046
pump to screen Water Column (feet): 486
Casing Capacity (Diameter 4 ") (gallons per foot): 0.60

Screen Casing Volume (1V) (gallons): 291.6 3 1V (gallons): 874.8
Purging Device: bled. pump Sampling Device: ND pre-tubed
Pump: Depth (ft brp) 560 Type grundfos Voltage 240 HP —
Monitor Well Recharge Rate: Slow ____ Fast X

Weather Conditions: Time 0800 Temp. 60 Skies clear Wind (mph) — From —

Initials: AMS/DJS
Begin Purge 810 End Purge 0830
Gallons Purged 934 CVs Purged 3.20
DTW (ft brp) 61.21 Time 0800

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
810	61.21	0	0	~	~	pump		on	~	—	Q
0816	68.24	145.8	0.5	19.1	9.11	1.428	-67.2	3.07	3.45	—	Q ≈ 21 GPM
0822	68.24	287.4	0.98	20.2	8.45	1.459	-80.7	3.10	2.07	✓	
0830	68.31	448.1	1.53	20.6	8.05	1.423	-34.1	2.70	0.91	✓	
0837	68.32	587.2	2.01	20.6	7.99	1.491	-1.5	3.36	0.19	✓	
0844	68.38	725.8	2.48	20.6	7.97	1.424	21.3	2.36	0.22	✓	
0851	68.43	875.6	3.01	20.7	7.96	1.427	21.5	3.09	0.07	✓	
0853	NM	934.0	3.20	~	~	End	Purge	~	~	—	collect samples

SAMPLE COLLECTION SAMPLE TIME 0852

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/ /21 TASK: 532.30 WELL ID: MW-42

Time 0921 Static DTW (ft below reference point)	67.03	Screen ~~Casing~~ Volume (~~SV~~) (gallons) 295	3 ~~SV~~ (gallons) 885
Casing Total Depth (ft below reference point)	105.1	Purging Device Gen. Pump	Sampling Device
pump to screen Water Column (feet)	49.1	Pump: Depth (ft brp) 56 Type grundfos	Voltage 240 HP –
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow	Fast X

Weather Conditions: Time 900 Temp. 62; Skies Clear; Wind (mph) 5MPH From West

Initials: AM / DJ; Begin Purge 0935 End Purge 1024; Gallons Purged 928 CVs Purged 3.1; DTW (ft brp) 75.93 Time 1017

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
35 0934	67.03	0	0	~		Begin	Purge		~	–	Q ≈ 22 GPM
0941	75.52	142.8	0.48	19.8	7.89	1.537	-99.9	3.05	0.63	–	
0948	75.63	298.8	1.01	20.4	7.95	1.509	-92.4	2.62	0.13	–	* flow dam rate; volume exceed capacity
0958	75.69	476.1	1.61	20.9	7.98	1.511	-35.1	3.02	1.30	–	of tank
1003	75.76	588.9	1.99	20.6	8.00	1.511	-7.6	6.50	2.20	–	
1010	75.83	730.7	2.47	20.4	7.98	1.506	7.3	4.18	0.20	–	
1017	75.93	885	3.0	20.8	7.96	1.513	6.3	3.64	0.05	–	collect samples
1024	NM	928	3.1	~		pump off			~	~	

SAMPLE COLLECTION SAMPLE TIME 1017

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-35C

Time 1150 Static DTW (ft below reference point) 75.42
Casing Total Depth (ft below reference point) 1040
pump to screen Water Column (feet) 478
Casing Capacity (Diameter 4") (gallons per foot) 0.60
Casing Volume (SV) (gallons) 287 3 SV (gallons) 861
Purging Device ded. pump Sampling Device ND pipette
Pump: Depth (ft brp) 560 Type grundfos Voltage 240 HP —
Monitor Well Recharge Rate: Slow ____ Fast X

Weather Conditions
Time 1150 Temp. 72
Skies clear
Wind (mph) — From —

Initials: AMJ/DJS
Begin Purge 1156 End Purge 1242
Gallons Purged 918 CVs Purged 3.2
DTW (ft brp) 84.94 Time 1238

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
1156	75.42	0	0	—	—	pump	on	—	—	—	Q ≈ 20 Gpm
1203	84.70	1463	0.51	21.1	7.42	1.826	78.8	2.57	9.9	—	
1209	84.78	272	0.44	21.0	7.43	1.756	75.5	2.76	1.45	—	
1216	84.84	420	1.46	20.5	7.61	1.720	71.1 5.244	5.24 6.40	3.30	—	
1224	84.91	586	2.04	21.1	7.55	1.684	71.2	4.16	3.41	—	
1231	84.92	708	2.46	20.8	7.55	1.684	71.4	4.0	3.62	—	
1238	84.94	862	3.01	20.8	7.57	1.744	73.8	5.13	2.44	—	collect samples
1242	~~84.95~~	918	3.2	—	—	pump	off	—	—	—	

SAMPLE COLLECTION SAMPLE TIME 12

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-33

Time 1305 Static DTW (ft below reference point)	66.31	~~Casing~~ Screen Volume (CV) (gallons) 291	3 CV (gallons) 873
Casing Total Depth (ft below reference point)	1026	Purging Device ded. Pump	Sampling Device 0-10 PS
Pump Water Column (feet)	485	Pump: Depth (ft brp) 535	Type grundfos Voltage 240 HP —
Screen Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____	Fast X

Weather Conditions: Time 1310 Temp. 71; Skies clear; Wind (mph) — From —

Initials: AMJ/DJJ; Begin Purge 1320 End Purge —; Gallons Purged — CVs Purged —; DTW (ft brp) — Time —

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	....FIELD PARAMETERS.... Temp. (°C)	pH	EC (S/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1320	66.31	0	0	~		Begin	purge	~		—	Q ≈ 18 GPM
1327	68.51	145.5	0.49	22.5	7.67	1.624	42.9	2.57	3.01	—	
1335	68.58	296.5	1.01	21.4	7.68	1.635	31.0	2.71	0.37	—	
1342	68.59	439	1.50	21.3	7.60	1.622	36.1	2.44	0.36	—	
1350	68.60	599	2.05	21.0	7.58	1.612	33.9	2.12	0.12	—	
1358	68.62	737	2.53	20.8	7.62	1.618	34.9	3.28	0.08	—	* pump fell down well

SAMPLE COLLECTION SAMPLE TIME ____

ANALYSIS	QUANTITY	TYPE
8260B VOCs		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.)

* Unable to sample * Pump issues

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-32A

Time 14:53 Static DTW (ft below reference point)	75.17	~~Casing~~ screen Volume (CV) (gallons) 207 3 CV (gallons) 621	Weather Conditions: Time 1450 Temp. 70; Skies clear; Wind (mph) – From –
Casing Total Depth (ft below reference point)	905	Purging Device Std. Pump Sampling Device ND Pilaflex	Initials: AM/DB
pump to screen Water Column (feet)	3.45	Pump: Depth (ft brp) 560 Type grundfox Voltage 240 HP	Begin Purge 1455 End Purge 1544
Casing Capacity (Diameter 4 ") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow Fast 4	Gallons Purged 670 CVs Purged 3.2; DTW (ft brp) 77.10 Time 1541

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
1455	75.17	0	0	~		Begin Purge			~	–	Q ≈ 14 gpm
1502	76.86	106	0.51	22.6	7.47	1.876	80.2	3.53	15.71	–	
1510	76.92	204.5	0.98	21.6	7.42	1.894	68.9	3.26	2.72	–	
1518	76.95	316	1.52	21.6	7.36	1.876	52.2	3.19	1.87	–	
1525	77.00	410	1.98	21.1	7.40	1.873	52.8	3.63	2.48	–	
1533	77.05	522	2.52	21.0	7.36	1.871	57.1	3.10	0.39	–	
1541	77.16	628	3.03	21.0	7.46	1.872	59.8	4.78	1.38	–	collect samples
1544	NM	670	3.23	~		End Purge			~	–	

SAMPLE COLLECTION SAMPLE TIME 15

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: 2/18/21 **TASK:** 532.30 **WELL ID:** MW-32B

Time 1553 Static DTW (ft below reference point)	74.89	Screen ~~Casing~~ Volume (CV) (gallons) 9.2	3 CV (gallons) 27.6
Casing Total Depth (ft below reference point)	999	Purging Device dw grundfos redi-flo	Sampling Device ded tubing
pump to screen Water Column (feet)	32	Pump: Depth (ft brp) 967 Type redi-flo 2	Voltage 110 HP
Casing Capacity (Diameter 4") (gallons per foot)	0.66	Monitor Well Recharge Rate: Slow	Fast ✓

Weather Conditions: Time 1551 Temp. 70; Skies clear; Wind (mph) — From —

Initials: AMJ/DP

Begin Purge 1557 End Purge 1619

Gallons Purged 66 CVs Purged 3.4

DTW (ft brp) 77.28 Time 1612

Time	Depth to Water	Volume Purged (Gallons)	Casing Volumes Purged	Temp. (°C)	pH	EC (mS/cm)	O.R.P. (mV)	D.O. (mg/L)	Turbidity (NTU)	Pump Frequency Hz	COMMENTS
1557	74.89	0	0			BEGIN PURGE					
1600	77.20	19	0.5	21.3	7.42	1.011	78.1	1.03	1.64	299	Q ≈ 3 gpm
1603	77.28	18	1.0	21.2	7.45	1.003	89.1	0.61	NM	299	
1606	77.28	27	1.5	21.0	7.46	0.999	94.2	0.63	0.57	299	
1609	77.28	36	2.0	21.1	7.47	0.993	99.8	0.62	NM	299	
1612	77.28	45	2.5	21.1	7.47	0.991	72.6	0.60	0.59	299	
1616	NM	57	3.0	21.2	7.49	0.981	80.6	0.54	0.61	299	COLLECT SAMPLE
1619	NM	66	3.4			END PURGE					

SAMPLE COLLECTION SAMPLE TIME 1616

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 (O) 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: 2/19/21 TASK: 532.30 WELL ID: MW-32C

Time 0820 Static DTW (ft below reference point): 69.78
Casing Total Depth (ft below reference point): 1090
pump to screen Water Column (feet): 530
Casing Capacity (Diameter 4 ") (gallons per foot): 0.60

Screen & Casing Volume (CV) (gallons): 318 3 CV (gallons): 954
Purging Device: ded. pump Sampling Device: ND pipestart
Pump: Depth (ft brp) 560 Type grundfos Voltage 240 HP
Monitor Well Recharge Rate: Slow ____ Fast X

Weather Conditions: Time 0820 Temp. 52; Skies clear; Wind (mph) - From -

Initials: AMJ/CVD
Begin Purge 0827 End Purge 1010
Gallons Purged 978 CVs Purged 3.1
DTW (ft brp) 177.51 Time 0959

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
0827	69.78	0	0			pump on				-	
0841	159.42	159	0.5	19.1	7.83	1323	-42.4	3.19	6.22	-	Q ≈ 12 gpm
0857	166.20	318	1.0	19.4	7.94	1481	-29.2	3.16	4.15	-	
0912	173.08	477	1.5	20.1	7.99	1467	11.0	2.49	4.34	-	
0927	174.04	628	2.0	20.4	8.01	1472	14.3	2.62	5.68	-	
0943	176.08	785	2.5	20.7	7.97	1482	26.7	3.47	2.52	-	
0959	177.51	954	3.0	21.0	7.96	1473	24.5	2.58	2.04	-	collect samples.
1007	NM	962	3.0			pump off					- Broke samples, re-collect
1010	NM	978	3.1			pump on to re-collect samples				-	@ 1010

SAMPLE COLLECTION SAMPLE TIME ~~0959~~ 1010

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.)
Transducer removed @ 0845, place transducer @ 1015

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/19/21 TASK: 532.30 WELL ID: MW-37

Time 1037 Static DTW (ft below reference point)	135.39	Screen Casing Volume (CV) (gallons) 180 3 CV (gallons) 540	Weather Conditions: Time 1037 Temp. 72
Casing Total Depth (ft below reference point)	820	Purging Device ded. pump Sampling Device ND pipstalt	Skies clear
pump to screen Water Column (feet)	300	Pump: Depth (ft brp) 520 Type grundfos Voltage 240 HP	Wind (mph) – From –
Casing Capacity (Diameter 4 ") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMS/CVD
			Begin Purge 1050 End Purge 1118
			Gallons Purged 586 CVs Purged 3.3
			DTW (ft brp) 140.84 Time 1116

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
1050	135.39	0	0	—	—	pump	on		—		
1054	140.52	90	0.5	22.6	7.83	1429	-70.6	3.83	1.93	–	Q ≈ 19 gpm
1059	140.64	180	1.0	22.6	7.63	1727	-58.5	2.62	214	–	
1103	140.83	270	1.5	22.5	7.65	1777	-26.9	3.27	41.12	–	
1107	140.84	360	2.0	22.7	7.67	1766	0.1	3.15	20.68	–	
1111	140.84	450	2.5	22.6	7.70	1770	13.0	5.34	8.27	–	
1116	140.84	540	3.0	22.4	7.74	1768	26.7	3.22	5.61	–	collect samples
1118	NM	586	3.3	—	—	pump	off		—		

SAMPLE COLLECTION SAMPLE TIME 1116

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: 2/19/21 TASK: 532.30 WELL ID: MW-36

Time 1258 Static DTW (ft below reference point)	70.64	Screen Casing Volume (CV) (gallons) 320 3 CV (gallons) 961.2	Weather Conditions
Casing Total Depth (ft below reference point)	994	Purging Device ded. pump Sampling Device 10-100 pipette	Time 1252 Temp. 72
pump to screen Water Column (feet)	534	Pump: Depth (ft brp) 460 Type grundfos Voltage 240 HP	Skies clear
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow ____ Fast <	Wind (mph) — From —

Initials: AMJ/CVD

Begin Purge 1301 End Purge 1417

Gallons Purged 980 5 CVs Purged 3.1

DTW (ft brp) 74.38 Time 1414

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
1301	70.64	0	0	~	~	pump	on	~	~		
1313	73.99	160	0.5	21.4	7.64	1969	81.5	2.90	1.89	-	Q ≈ 14 gpm
1326	74.31	320	1.0	21.5	7.69	1842	78.2	2.46	0.73	-	
1338	74.29	480	1.5	21.7	7.62	1964	81.8	2.38	0.15	-	
1350	74.32	640	2.0	22.1	7.59	2038	76.4	3.17	1.39	-	
1402	74.36	800	2.5	21.5	7.63	2072	73.8	3.60	1.13	-	
1414	74.38	961	3.0	21.6	7.58	2078	77.4	3.47	1.18	-	collect samples
1417	NM	980	3.1	~	~	pump	off	~	~	~	

SAMPLE COLLECTION SAMPLE TIME 1414

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? 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: 2/19/21 TASK: 532.30 WELL ID: MW-31

Time 1448 Static DTW (ft below reference point)	100.98	Screen SV Casing Volume (CV) (gallons) 81 5V 3 CV (gallons) 243	Weather Conditions Time 1445 Temp. 70
Casing Total Depth (ft below reference point)	996	Purging Device ded. pump Sampling Device >100 ft tubing	Skies clear
pump to screen Water Column (feet)	54	Pump: Depth (ft brp) 942 Type grundfos Voltage 240 HP	Wind (mph) - From -
Casing Capacity (Diameter 6 ") (gallons per foot)	1.5	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMS/CVD
			Begin Purge 1452 End Purge 1522
			Gallons Purged 282 5V CVs Purged 3.5
			DTW (ft brp) 105.09 Time 1517

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
1452	100.98	0	0	~	~	pump on		~			
1458	105.22	40	0.5	21.0	7.60	2062	93.1	3.25	5.28	-	Q ≈ 11 gpm
1502	105.11	81	1.0	20.9	7.74	2517	84.1	2.86	142	-	
1505	105.09	120	1.5	20.9	7.63	2357	56.4	3.50	40.5	-	
1509	105.09	160	2.0	20.9	7.50	2232	58.4	3.27	26.5	-	
1513	105.09	200	2.5	20.9	7.50	2158	60.8	3.38	13.67	-	
1517	105.09	243	3.0	20.9	7.52	2111	63.9	3.52	7.27	-	collect samples
1522	NM	282	3.5	~	~	pump off		~			

SAMPLE COLLECTION SAMPLE TIME 1517

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.)

MW-300 collected @ 1522

HARGIS + ASSOCIATES, INC.

GROUNDWATER SAMPLING INFORMATION

DATE: 2/22/21 TASK: 532.30 WELL ID: MW-39

Time 0835 Static DTW (ft below reference point)	68.39	Screen Casing Volume (~~CV~~ SV) (gallons) 271	3 SV (gallons) 814
Casing Total Depth (ft below reference point)	1012	Purging Device ded. pump	Sampling Device ND pipestand
pump to screen Water Column (feet)	452	Pump: Depth (ft brp) 560 Type grundfos	Voltage 240 HP
Casing Capacity (Diameter 4") (gallons per foot)	0.60	Monitor Well Recharge Rate: Slow	Fast x

Weather Conditions: Time 0838 Temp. 72; Skies clear; Wind (mph) — From —

Initials: AMS/DJS; Begin Purge 0841 End Purge 0927; Gallons Purged 867 SV Volumes Purged 3.2; DTW (ft brp) 84.37 Time 0924

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
0841	68.39	0	0			begin purge					
0858	83.15	136	0.5	21.7	8.67	451	-10.8	2.86	2.31	—	Q ≃ 22 gpm. Pump cycling.
0900	84.07	271	1.0	21.8	8.60	445	-30.1	2.50	0.86	—	restart pump
0906	84.17	407	1.5	22.1	8.56	442	-0.4	2.35	0.21	—	
0911	84.20	542	2.0	22.3	8.43	446	22.6	2.87	0.12	—	
0917	84.21	678	2.5	22.5	8.42	448	35.6	2.78	0.14	—	
0924	84.37	814	3.0	22.5	8.40	449	42.0	2.91	0.21	—	collect samples
0927	NM	867	3.2			end purge					

SAMPLE COLLECTION SAMPLE TIME 0924

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: 2/22/21 TASK: 532.30 WELL ID: MW-40

Time 1035 Static DTW (ft below reference point)	103.03	Screen SV Casing Volume (CV) (gallons) 6.75 3V 3 CV (gallons) 20.25	Weather Conditions Time 1033 Temp. 78
Casing Total Depth (ft below reference point)	970	Purging Device ded. pump Sampling Device ND pipe tail	Skies clear
pump to screen Water Column (feet)	50	Pump: Depth (ft brp) 920 Type grundfos Voltage 240 HP -	Wind (mph) — From —
Casing Capacity (Diameter 6") (gallons per foot)	1.35	Monitor Well Recharge Rate: Slow ____ Fast X	Initials: AMS/DJS
			Begin Purge 1039 End Purge ____
			Gallons Purged ____ CVs Purged ____
			DTW (ft brp) 104.05 Time 1056

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
1039	103.03	0	0	~	~	begin purge			~		
1043	104.00	38	0.56	23.0	7.68	847	122.6	2.82	3.08	-	Q ≈ 10 gpm
1048	104.00	75	1.0	21.5	7.48	845	2.5	2.58	1.99	-	
1051	104.03	113	1.7	21.2	7.66	900	-5.5	2.85	1.23	-	
1053	104.03	135 AMS	2.0	21.1	7.65	908	24.0	3.28	1.85	-	
1056	104.05	168	2.5	21.3	7.66	924	45.3	3.60	1.51	-	
1100	NM	202.5	3.0	21.3	7.67	928	55.8	3.75	0.54	-	collect samples
1102	NM	218		~	~	pump off			~	-	

SAMPLE COLLECTION SAMPLE TIME 1100

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.)

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

TABLE OF CONTENTS

Figure

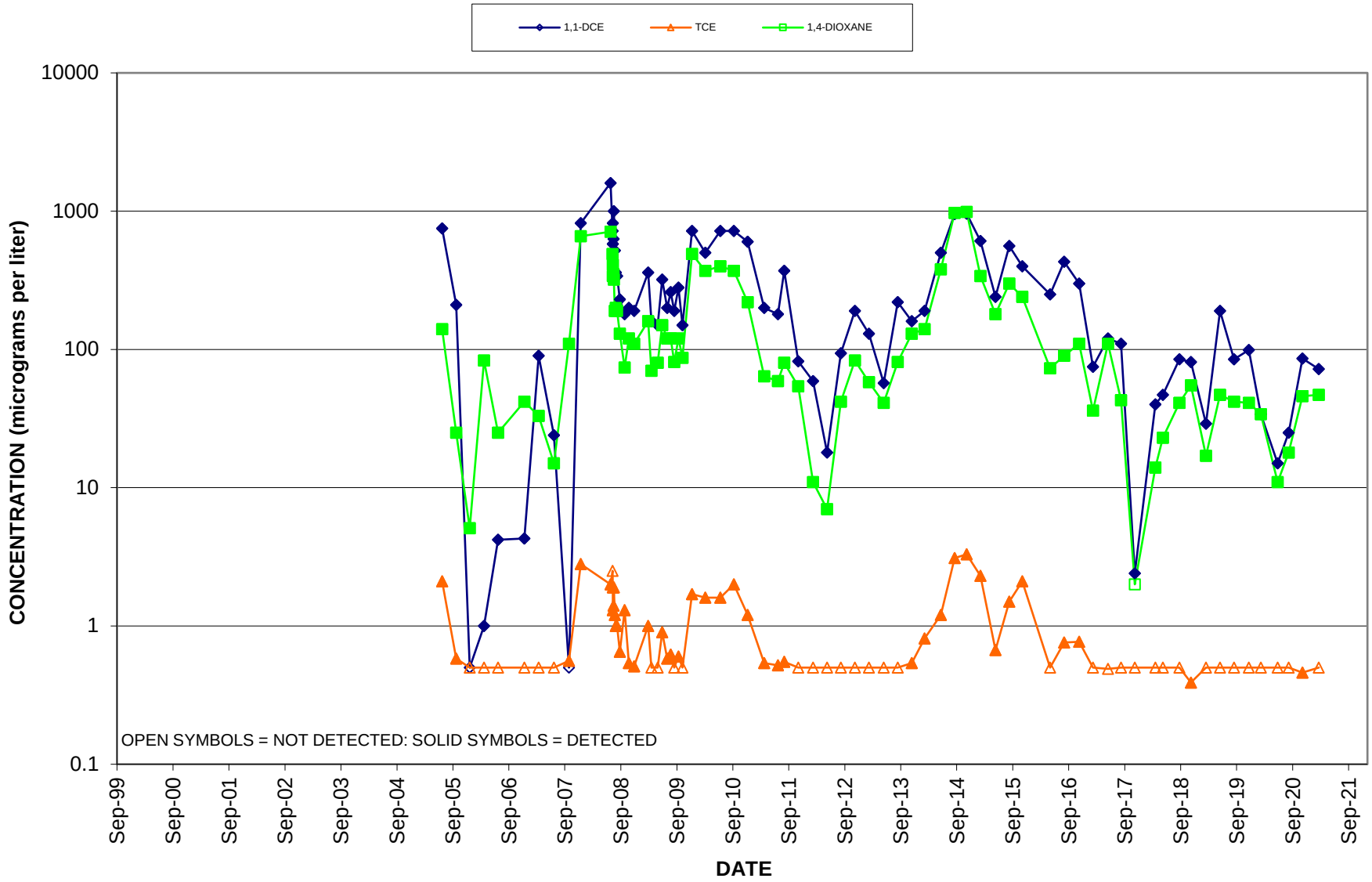
C-1	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, EW-01
C-2	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, EW-02
C-3	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-16
C-4	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-26C
C-5	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-27
C-6	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-28
C-7	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-29
C-8	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-30A
C-9	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-31
C-10	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-32B
C-11	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-33

TABLE OF CONTENTS (continued)

Figure

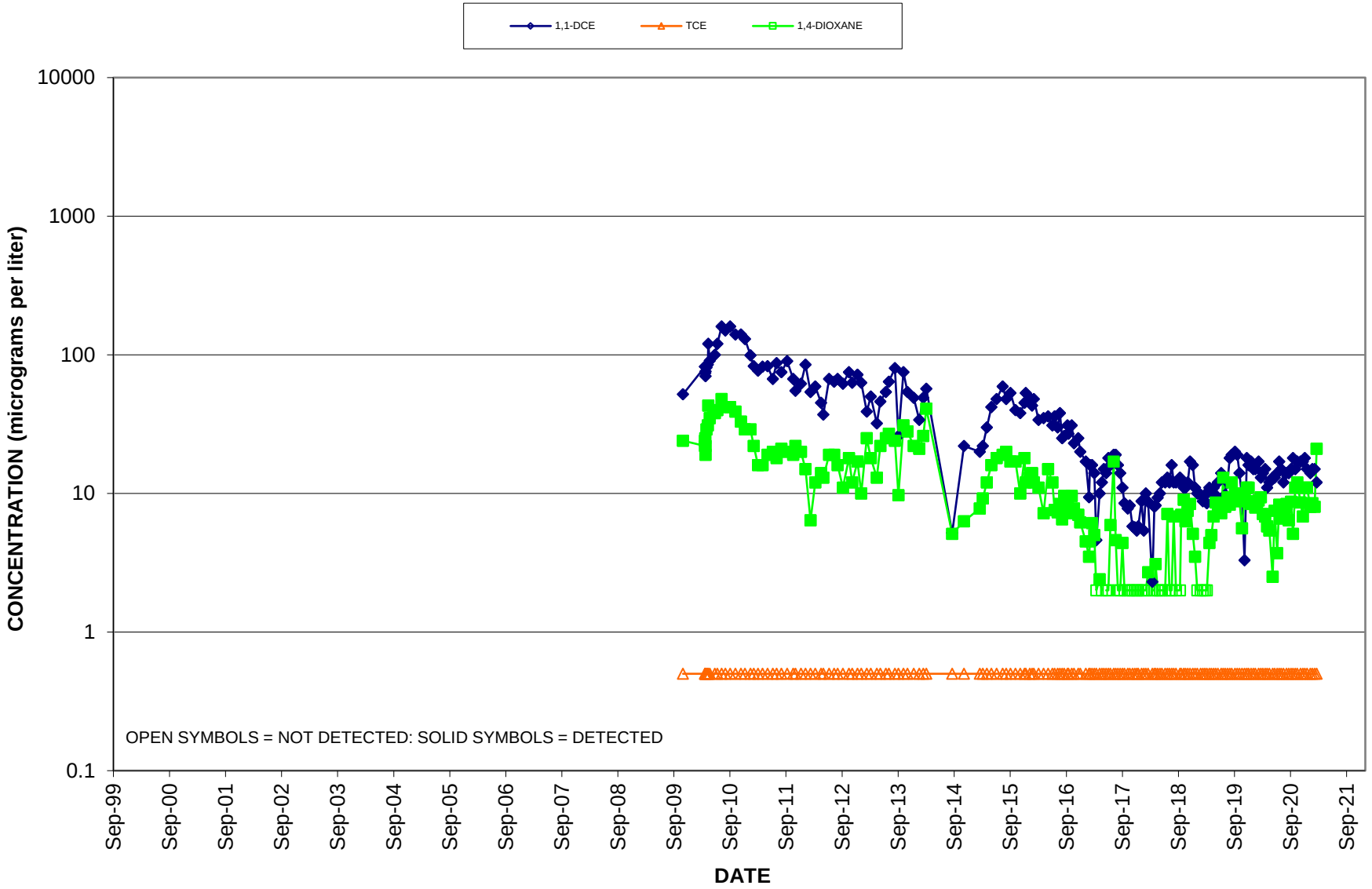
C-12	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-34B
C-13	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-35C
C-14	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-36
C-15	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-39
C-16	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-40
C-17	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-41
C-18	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-42
C-19	CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-43

FIGURE C-1: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, EW-01



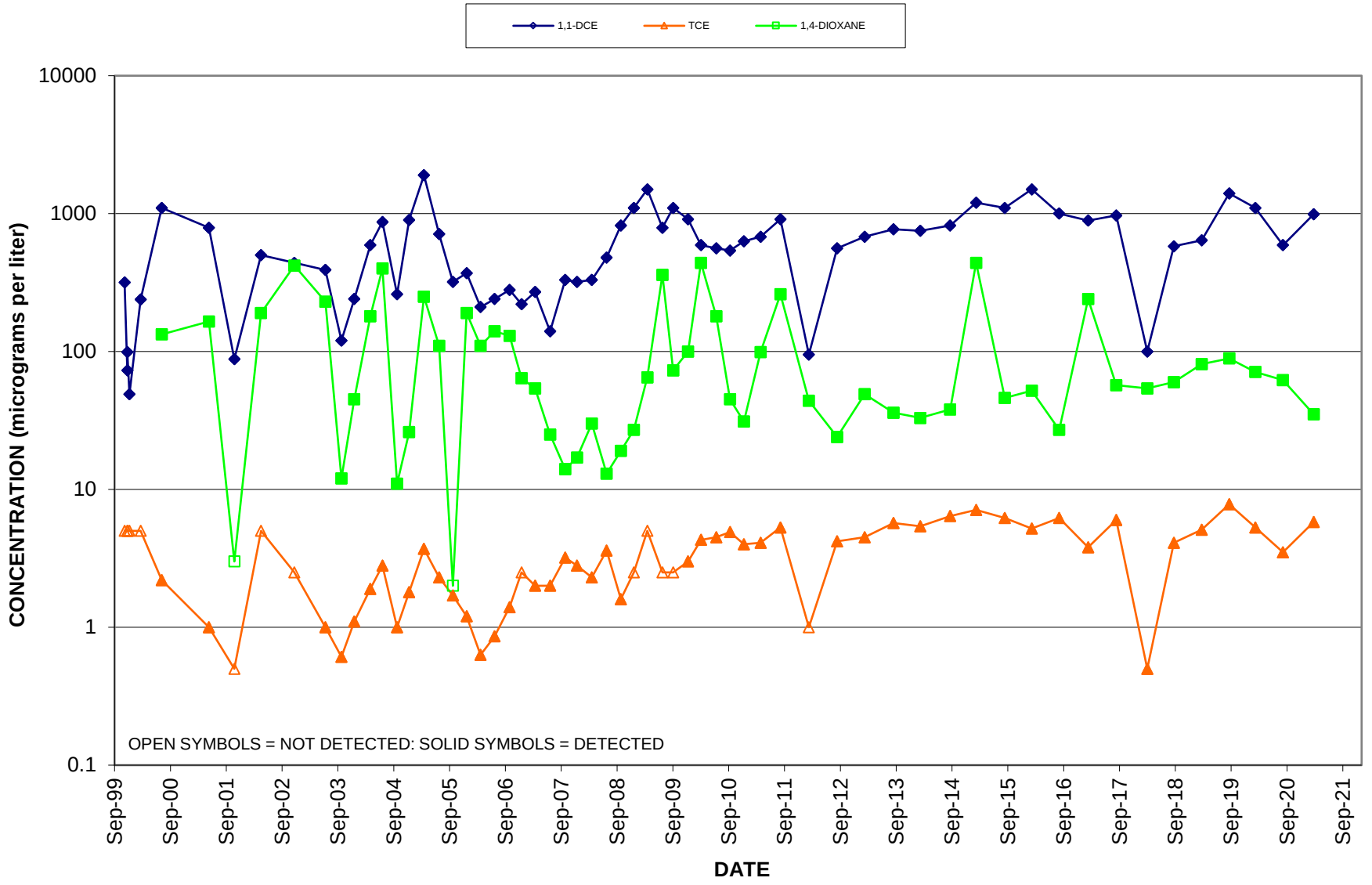
1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

FIGURE C-2: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, EW-02



1,1-DCE = 1,1-Dichloroethylene
TCE = Trichloroethylene

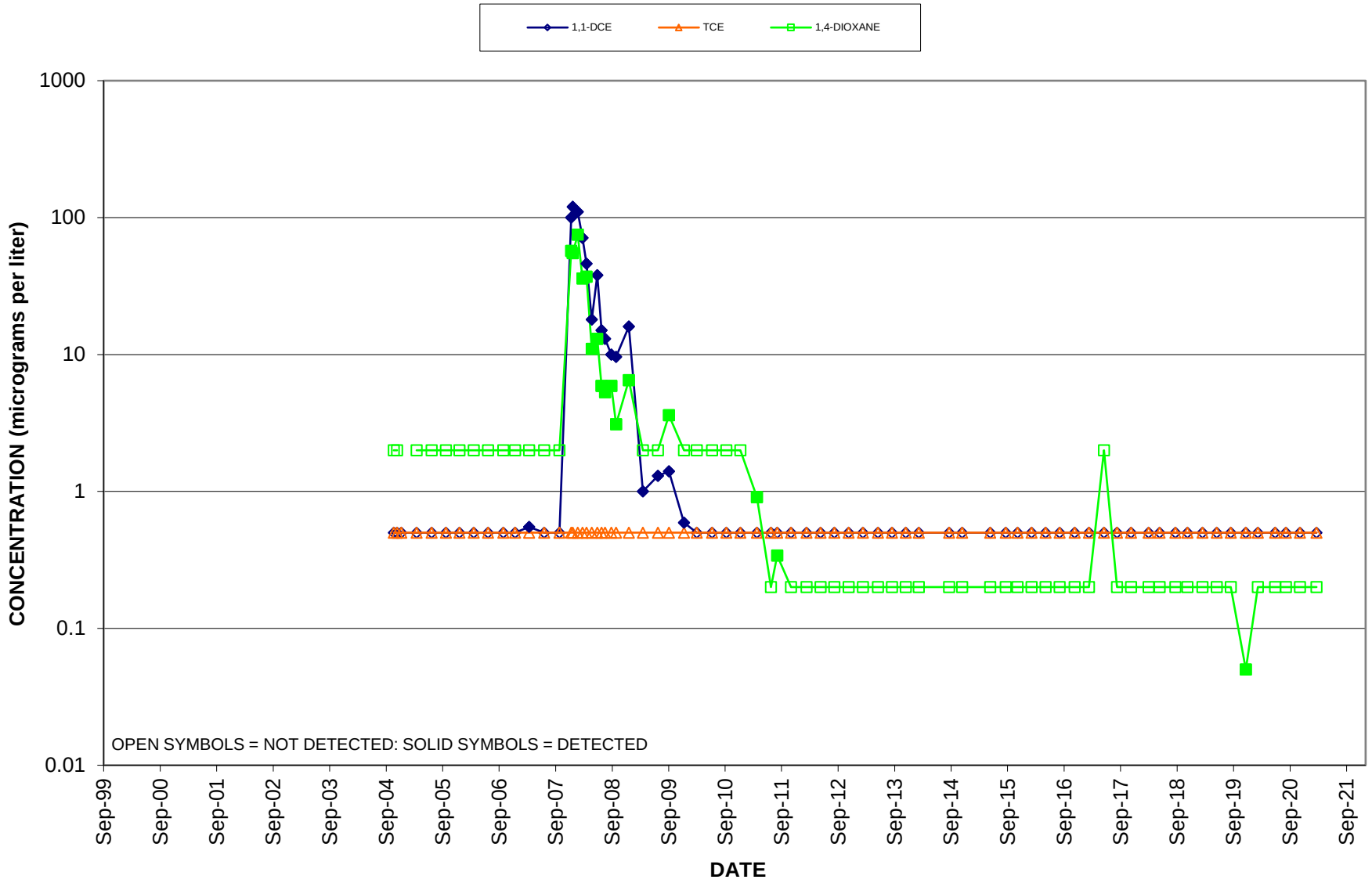
FIGURE C-3: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-16



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

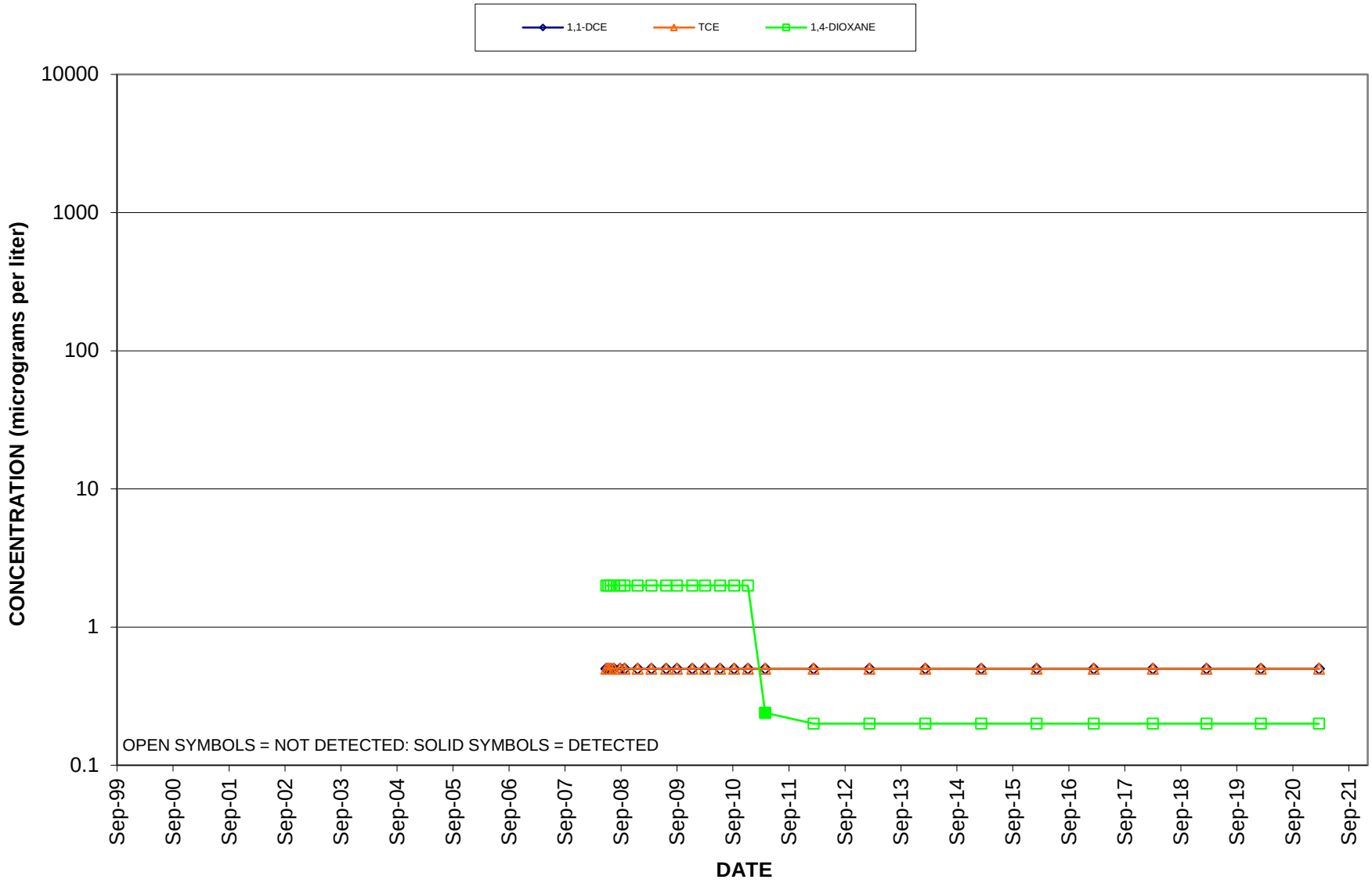
FIGURE C-4: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-26C



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

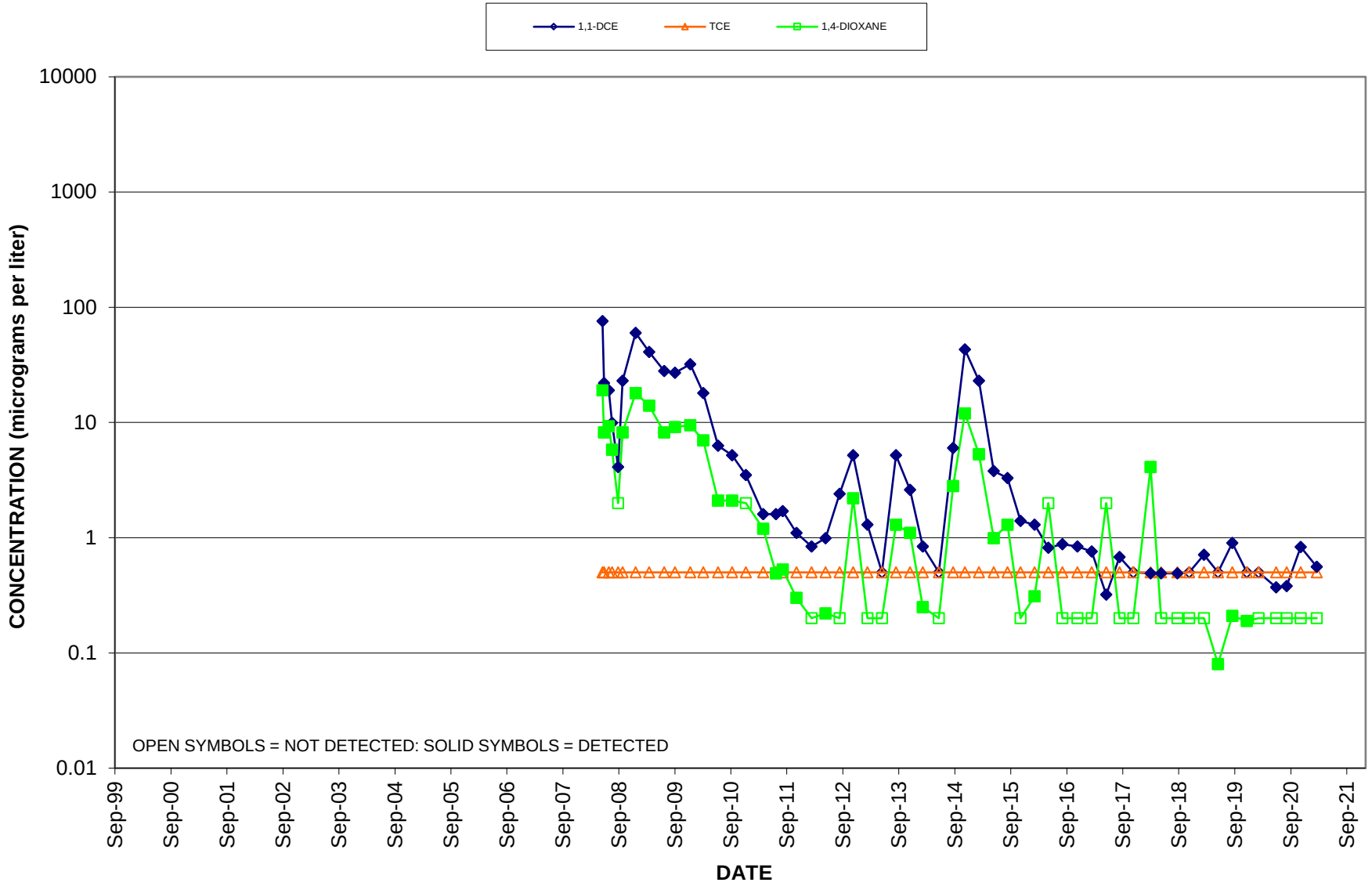
FIGURE C-5: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-27



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

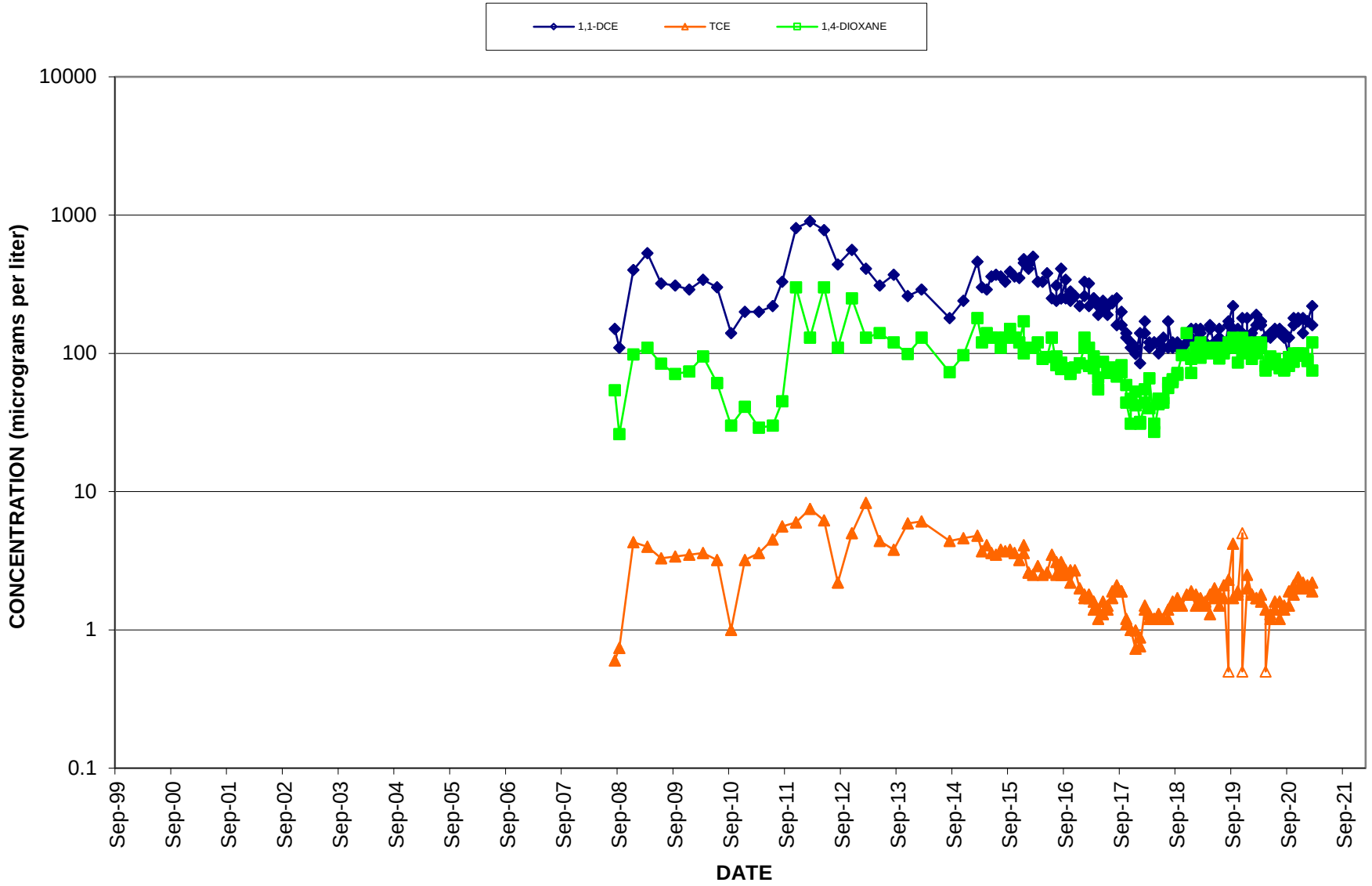
FIGURE C-6: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-28



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

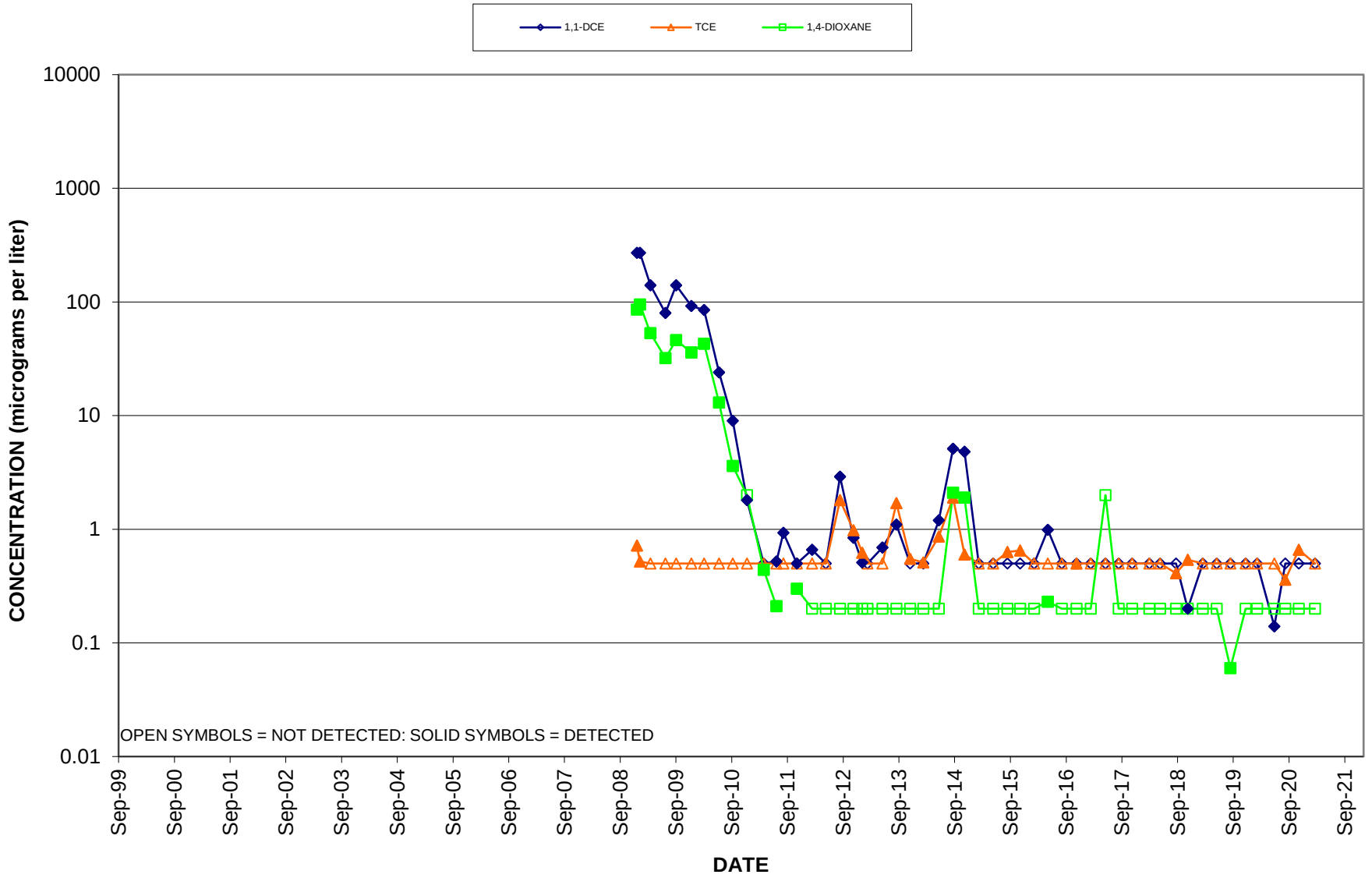
FIGURE C-7: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-29



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

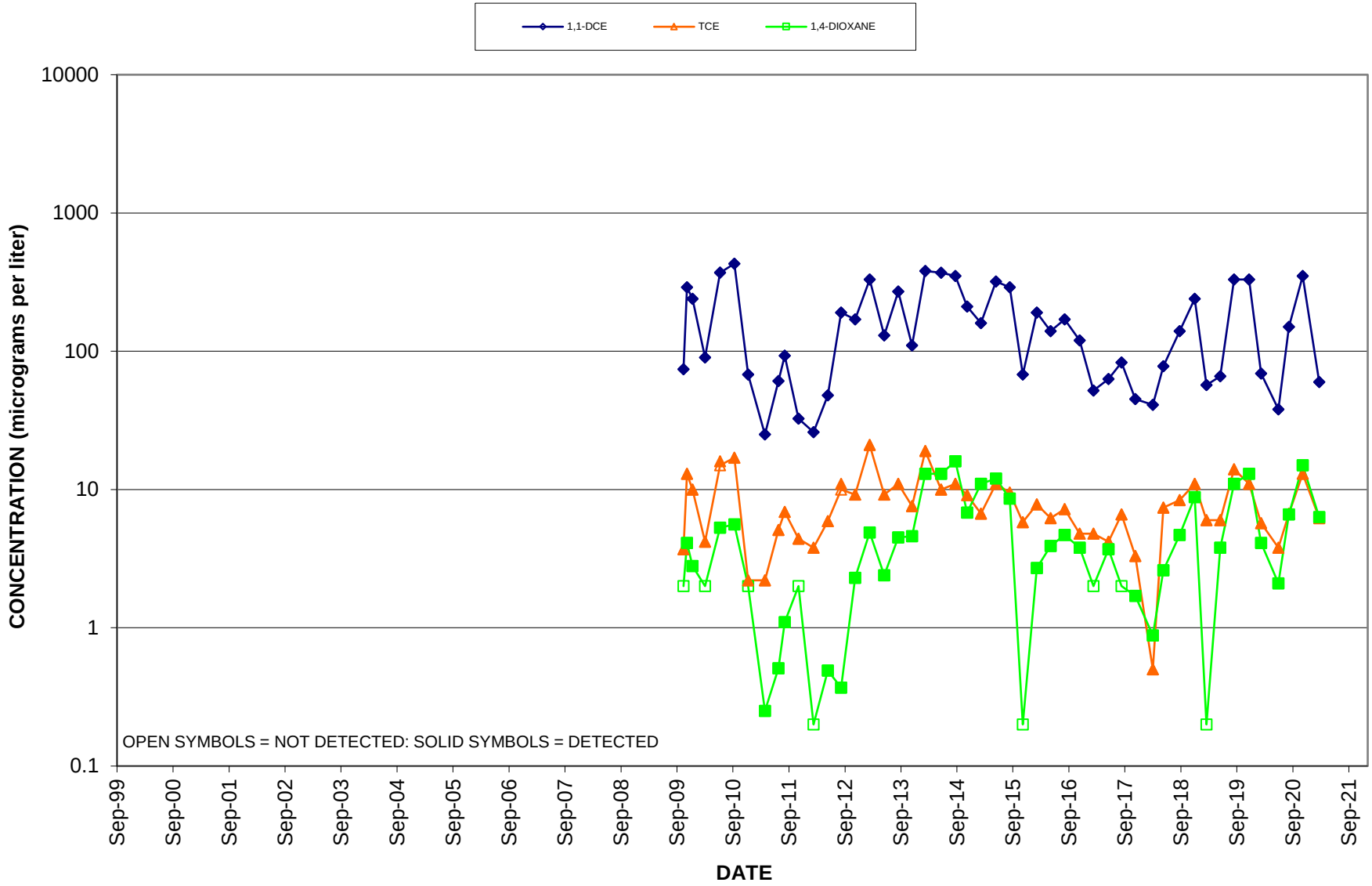
FIGURE C-8: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-30A



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

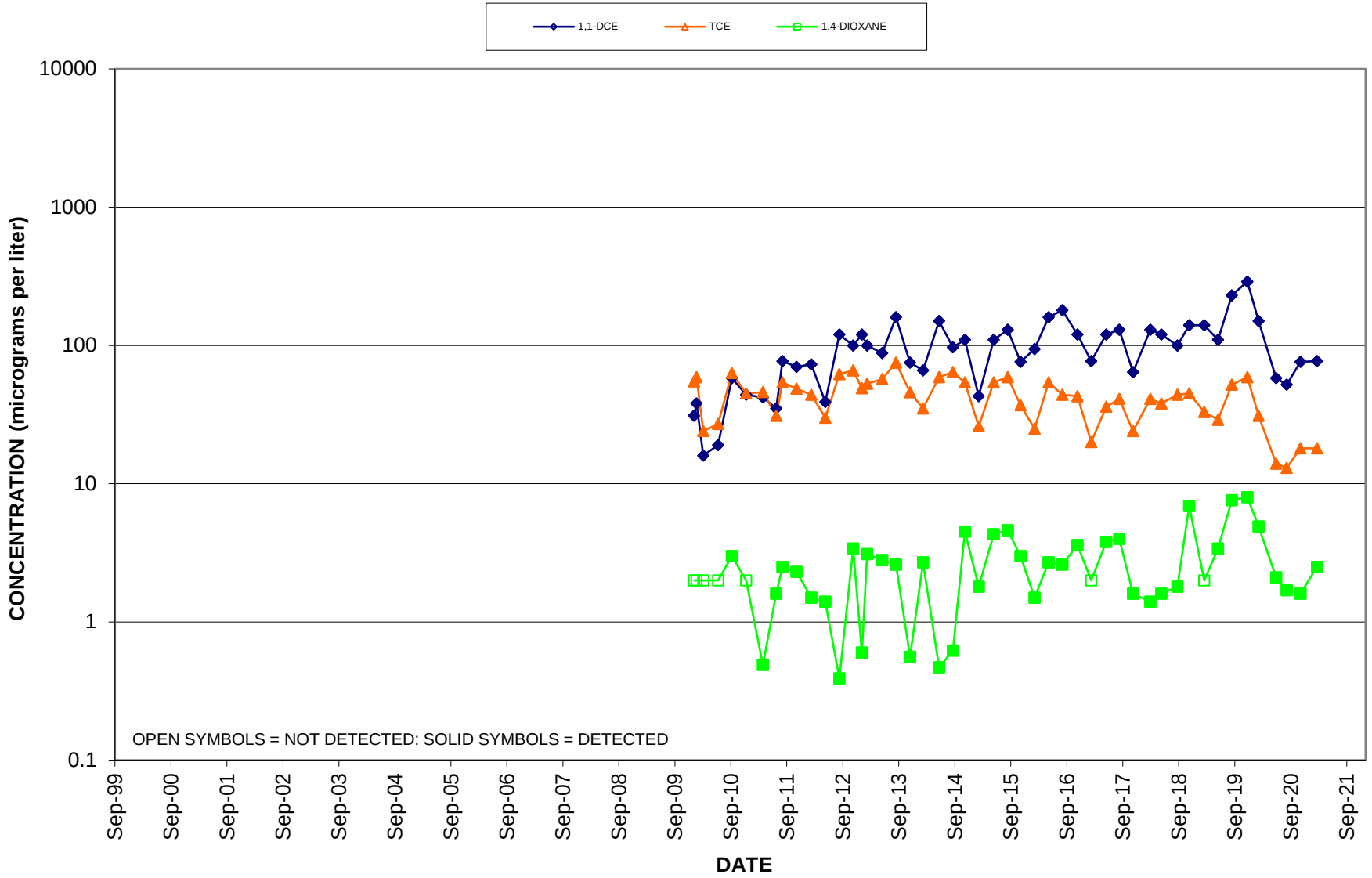
FIGURE C-9: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-31



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

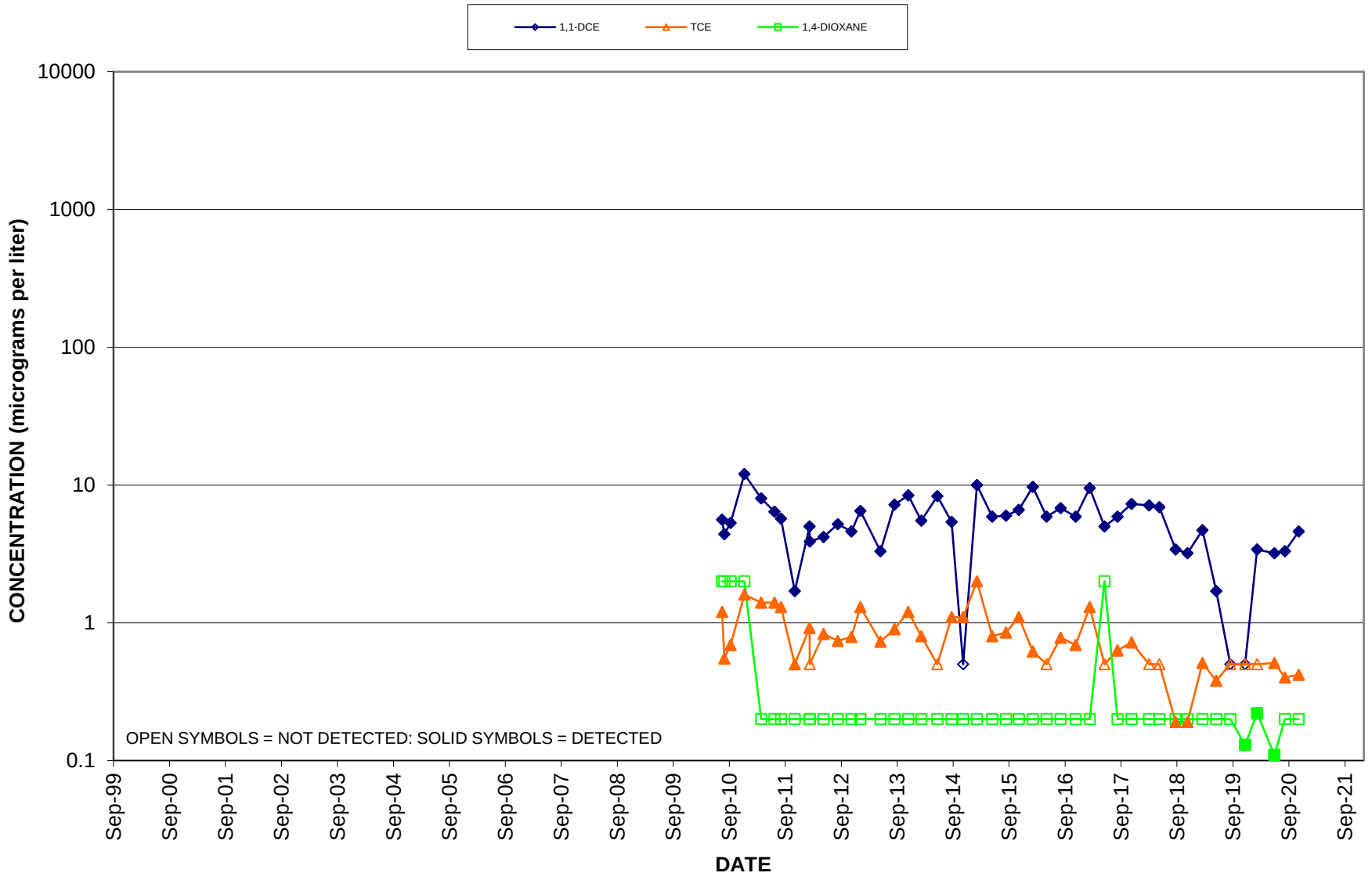
FIGURE C-10: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-32B



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

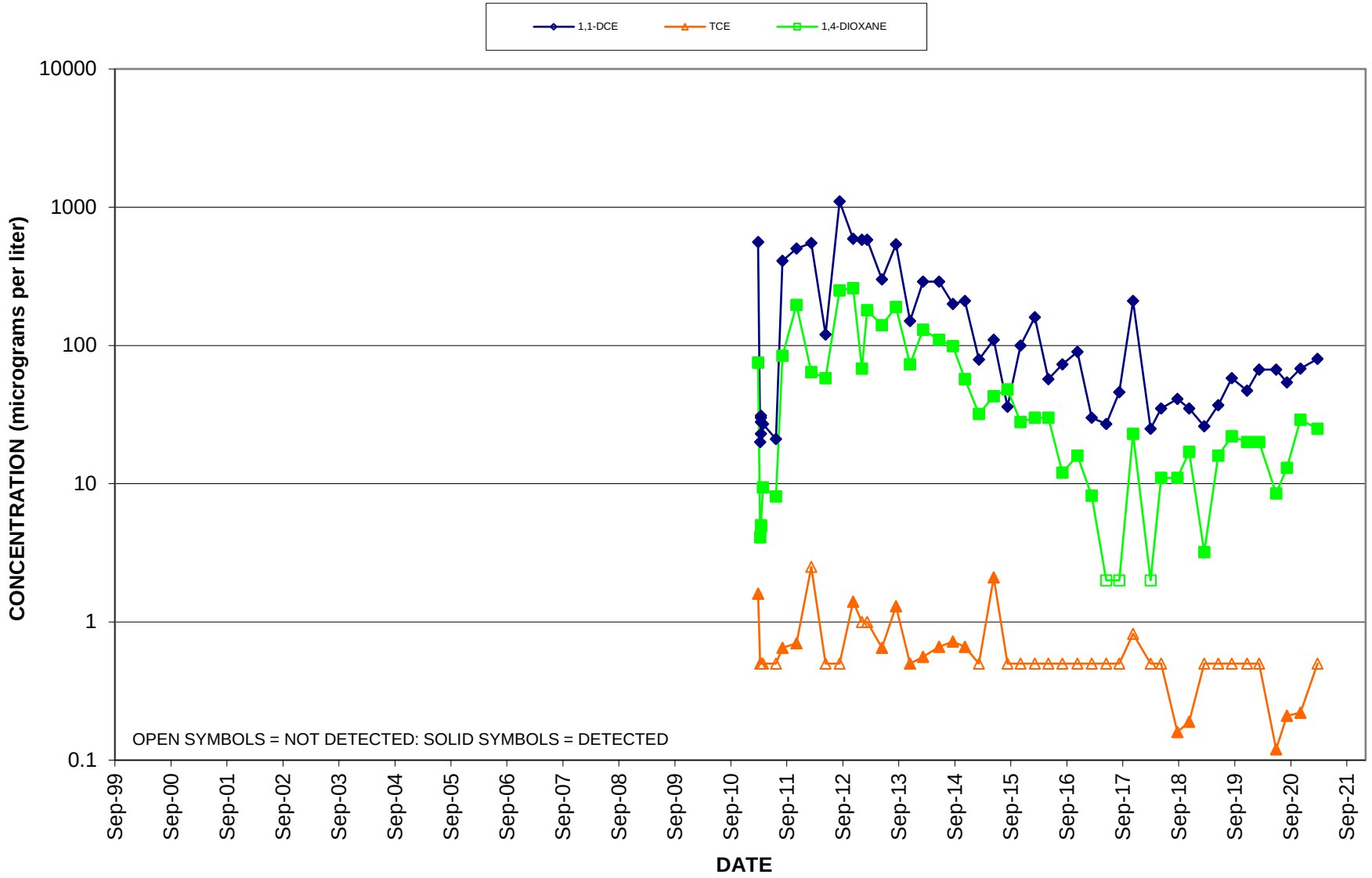
FIGURE C-11: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-33



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

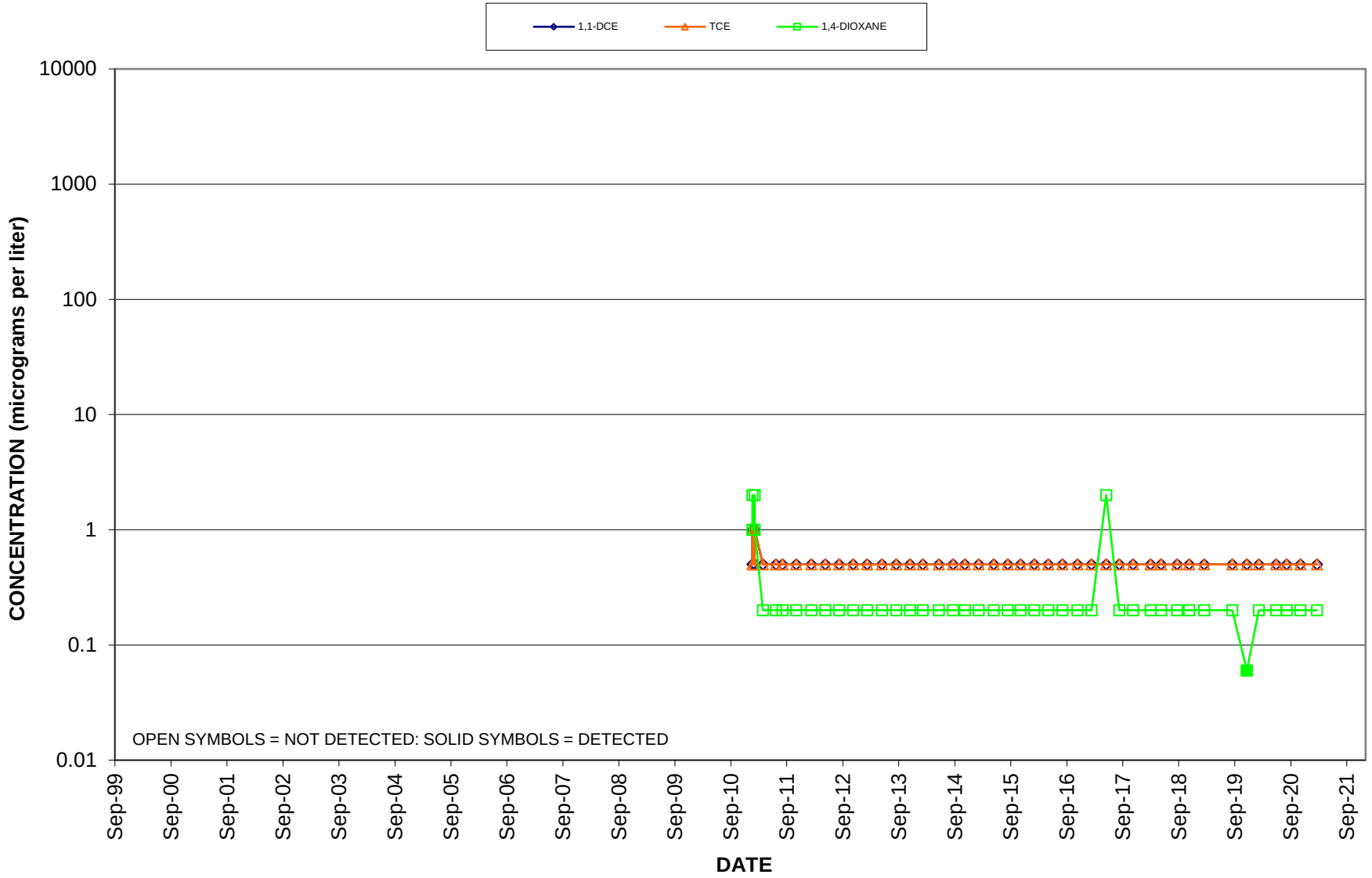
FIGURE C-12: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-34B



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

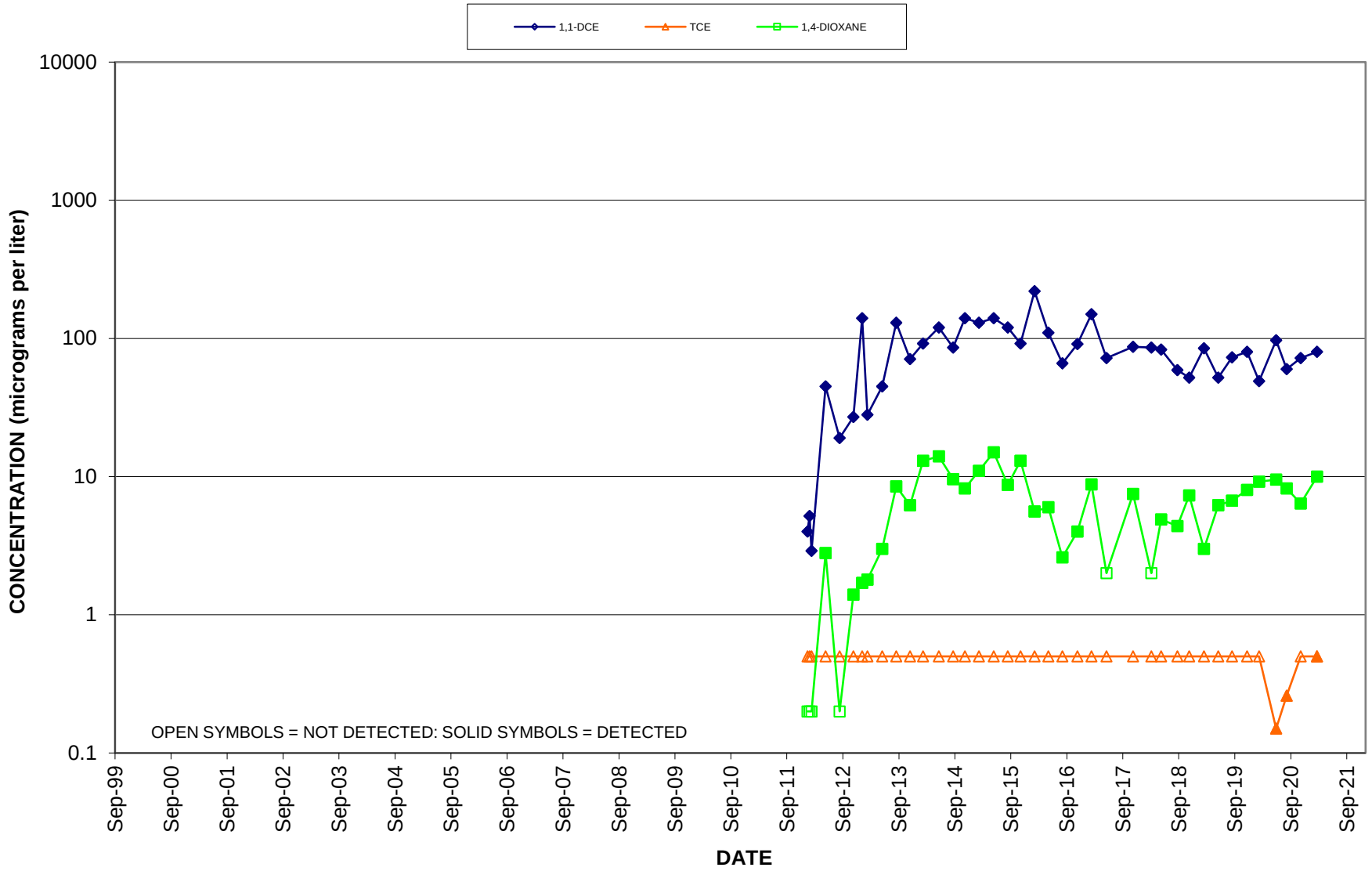
FIGURE C-13: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-35C



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

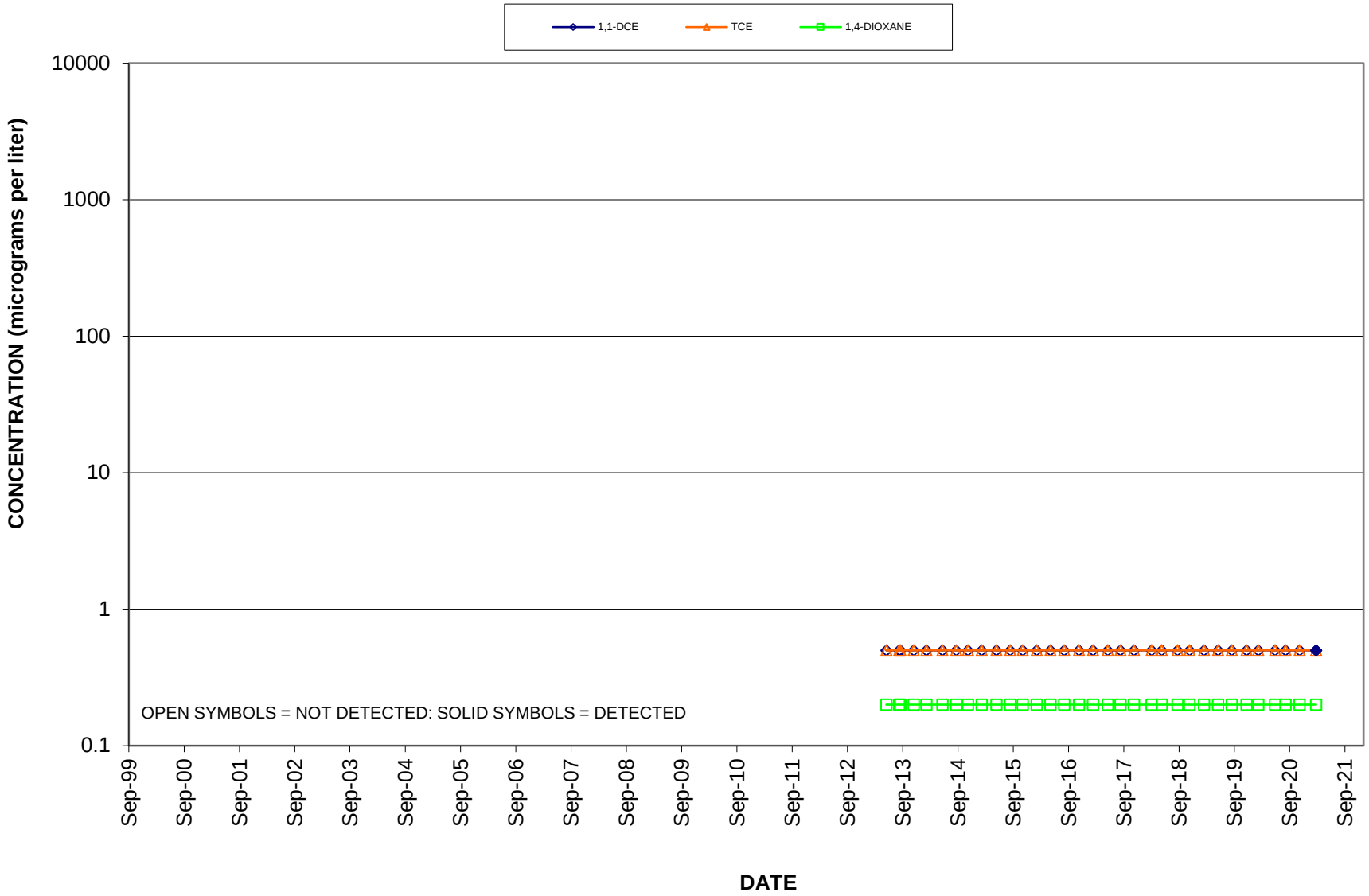
FIGURE C-14: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-36



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

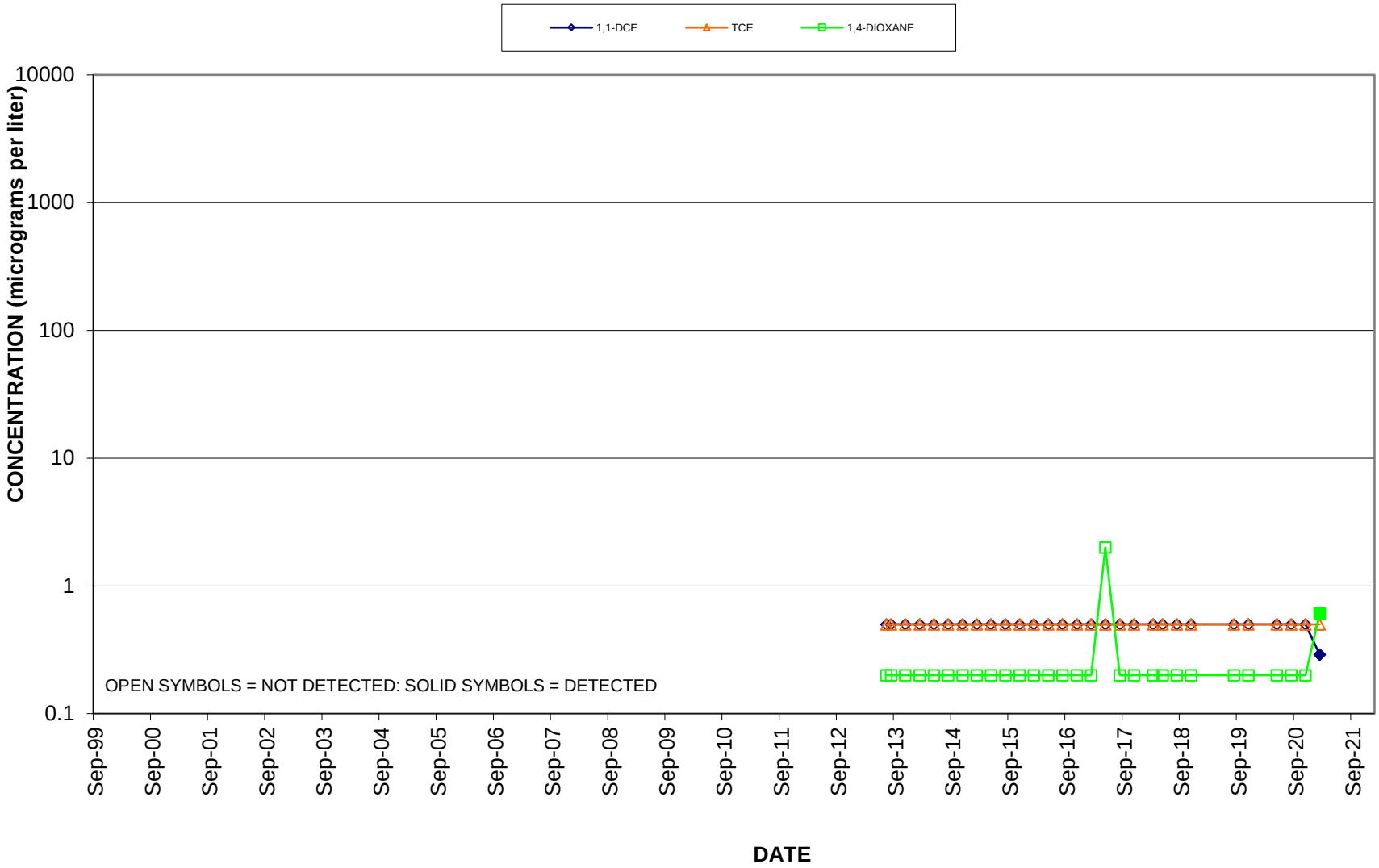
FIGURE C-15: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-39



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

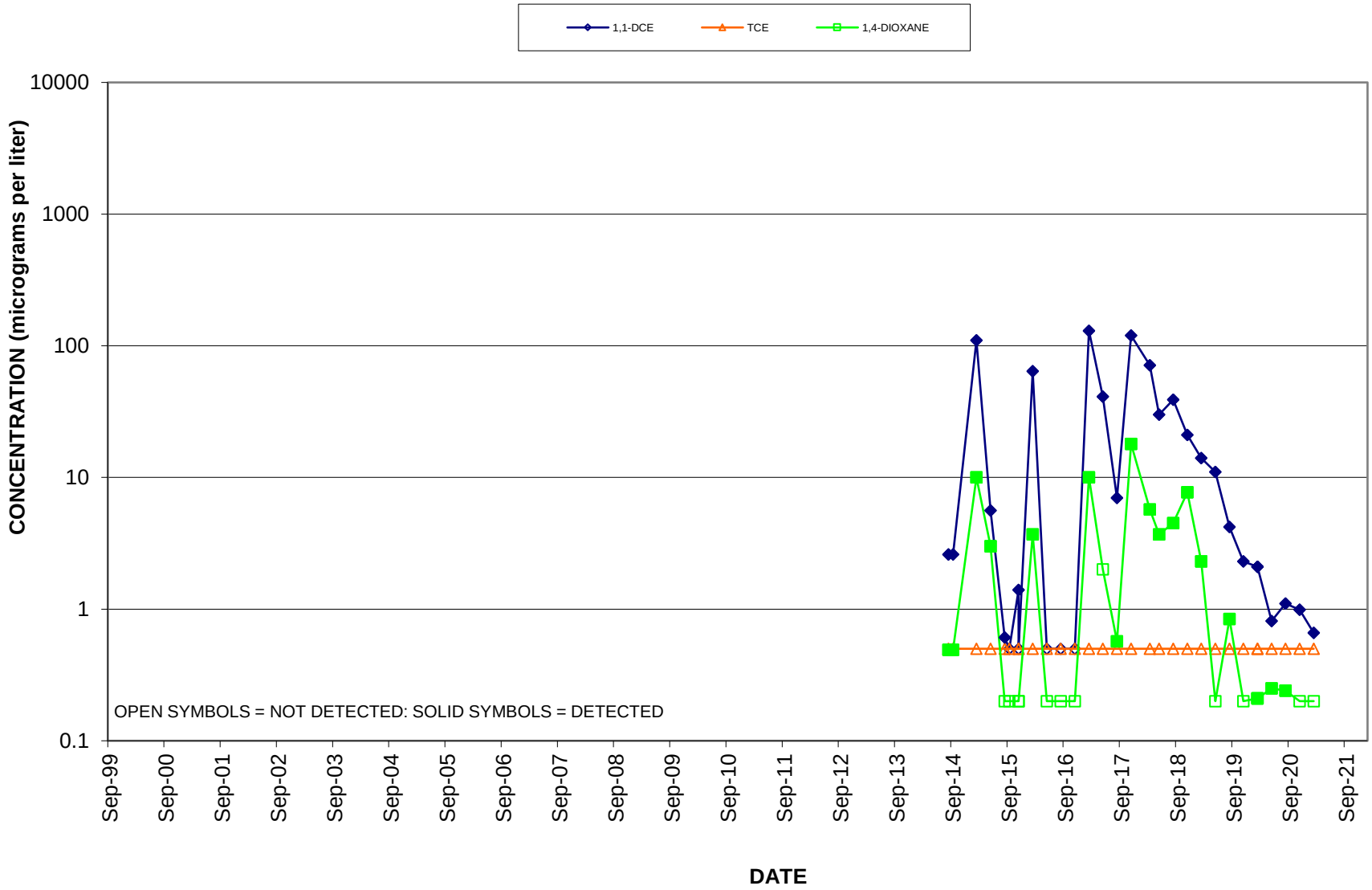
FIGURE C-16: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-40



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

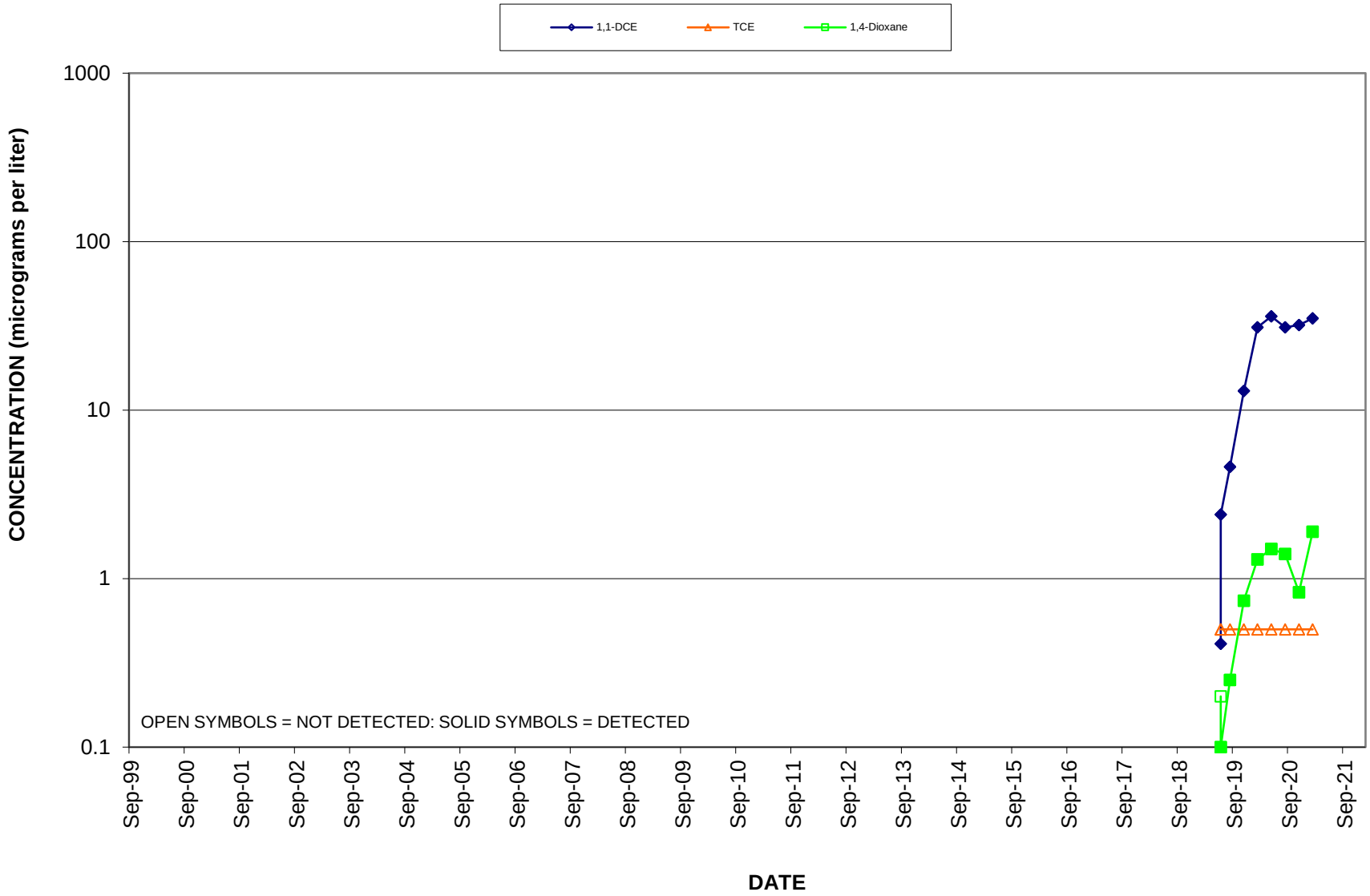
FIGURE C-17: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-41



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

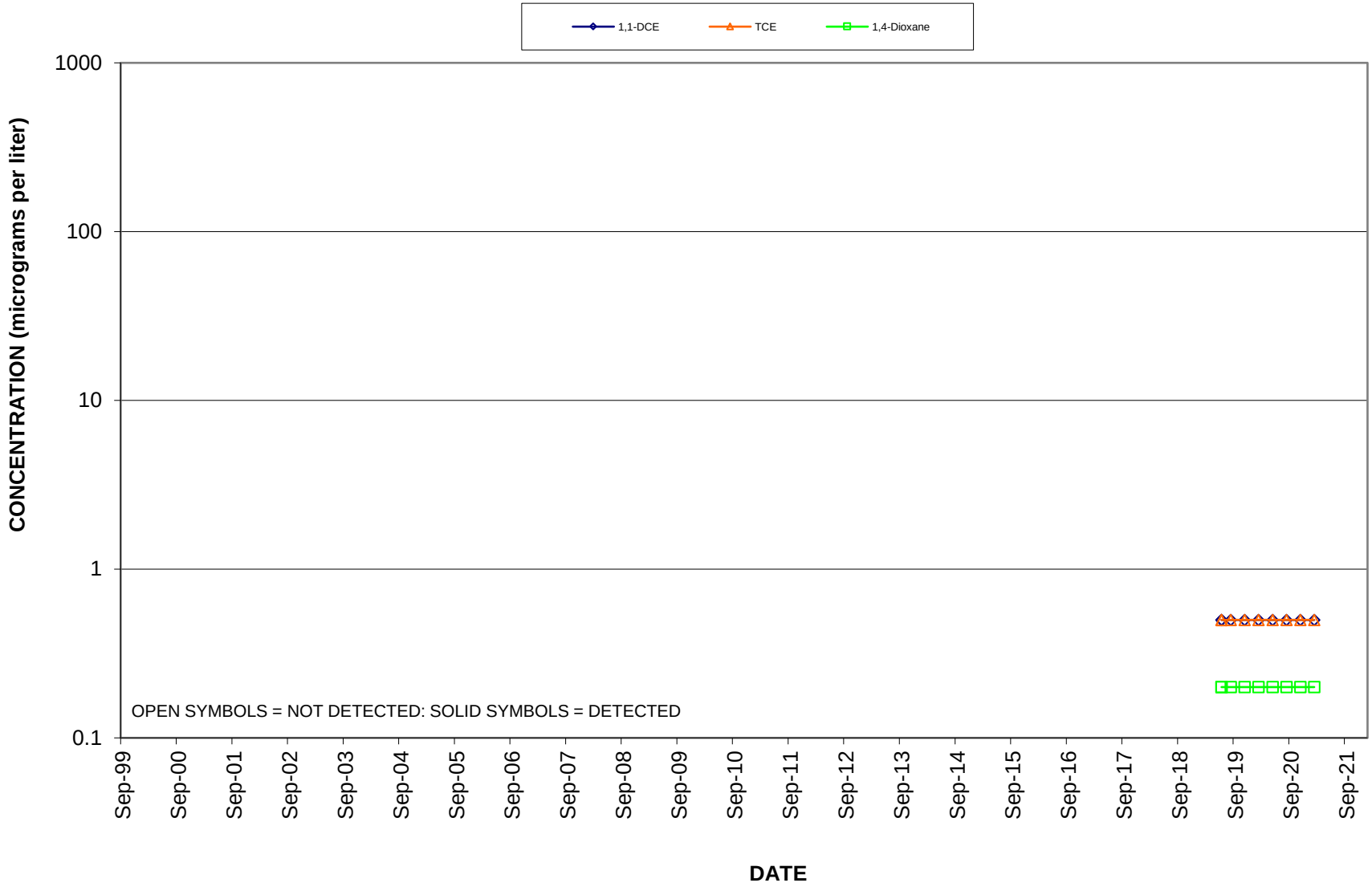
FIGURE C-18: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-42



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

FIGURE C-19: CONCENTRATIONS OF SELECT COMPOUNDS OF CONCERN IN GROUNDWATER, UNIT B, MW-43



1,1-DCE = 1,1-Dichloroethylene

TCE = Trichloroethylene

APPENDIX D

HISTORICAL GROUNDWATER LEVEL, GROUNDWATER QUALITY AND PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DATA

APPENDIX D

HISTORICAL GROUNDWATER LEVEL, GROUNDWATER QUALITY AND PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DATA

TABLE OF CONTENTS

Table

D-1	HISTORICAL GROUNDWATER LEVELS
D-2	HISTORICAL PREVALENT VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE IN GROUNDWATER
D-3	OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
D-4	SELECT COMPOUNDS MONITORED IN PILOT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM SAMPLES, HISTORICAL DATA

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells					
MW-06	01/27/97	174.27	144.62	29.65	
	02/18/97	174.27	142.26	32.01	
	02/26/97	174.27	141.97	32.30	
	03/06/97	174.27	141.52	32.75	
	03/12/97	174.27	141.24	33.03	
	03/28/97	174.27	140.90	33.37	
	05/19/97	174.27	142.85	31.42	
	10/16/97	174.27	158.05	16.22	
	05/13/98	174.27	143.00	31.27	
	05/27/98	174.27	143.49	30.78	
	06/11/98	174.27	144.43	29.84	
	07/14/98	174.27	147.46	26.81	
	11/11/98	174.27	155.60	18.67	
	11/18/98	174.27	154.82	19.45	SVE, DPE-H2O
	11/18/98	174.27	154.96	19.31	SVE, DPE-H2O
	11/19/98	174.27	154.82	19.45	SVE, DPE-H2O
	11/20/98	174.27	154.17	20.10	SVE, DPE, DPE-H2O
	11/23/98	174.27	154.43	19.84	SVE, DPE-H2O
	11/23/98	174.27	154.40	19.87	SVE, DPE-H2O
	11/24/98	174.27	154.44	19.83	SVE, DPE-H2O
	12/07/98	174.27	153.08	21.19	SVE, DPE-H2O
	12/10/98	174.27	152.56	21.71	SVE, DPE, DPE-H2O
	12/11/98	174.27	152.14	22.13	SVE, DPE, DPE-H2O
	12/14/98	174.27	151.82	22.45	SVE, DPE-H2O
	12/14/98	174.27	151.72	22.55	SVE, DPE-H2O
	12/16/98	174.27	151.73	22.54	SVE, DPE, DPE-H2O
	01/06/99	174.27	150.40	23.87	SVE, DPE, DPE-H2O
	01/20/99	174.27	149.92	24.35	
	01/25/99	174.27	149.58	24.69	DPE, DPE-H2O
	01/27/99	174.27	149.71	24.56	SVE, DPE, DPE-H2O
	02/01/99	174.27	149.37	24.90	DPE, DPE-H2O
	02/10/99	174.27	148.87	25.40	SVE, DPE, DPE-H2O
	02/23/99	174.27	148.30	25.97	
	03/01/99	174.27	148.33	25.94	DPE
	03/09/99	174.27	148.39	25.88	SVE, DPE, DPE-H2O
	03/10/99	174.27	148.35	25.92	SVE, DPE, DPE-H2O
	04/07/99	174.27	147.82	26.45	SVE, DPE-H2O
	04/23/99	174.27	147.00	27.27	SVE, DPE-H2O
	06/16/99	174.27	150.62	23.65	SVE, DPE-H2O
	06/25/99	174.27	151.91	22.36	SVE, DPE-H2O
	08/30/99	174.27	164.08	10.19	DPE-H2O
	09/27/99	174.27	166.78	7.49	
	11/02/99	174.27	169.28	4.99	
	12/06/99	174.27	158.87	15.40	
	02/07/00	174.27	164.21	10.06	
	03/08/00	174.27	160.82	13.45	
	05/08/01	174.23	155.05	19.18	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-06	06/26/01	174.23	161.99	12.24	
(Cont'd)	10/24/01	188.33	DRY	--	
	01/15/02	188.33	183.41	4.92	
	03/19/02	188.33	177.86	10.47	
	04/15/02	188.33	176.83	11.50	
	11/18/02	188.33	182.81	5.52	
	01/17/03	188.33	173.82	14.51	
	05/08/03	188.33	174.07	14.26	
	06/09/03	188.33	175.45	12.88	
	09/15/03	184.70	177.09	7.61	
	10/14/03	184.70	178.31	6.39	
	12/15/03	184.70	176.24	8.46	
	03/29/04	184.70	166.60	18.10	
	06/14/04	184.70	169.41	15.29	
	09/20/04	184.70	179.48	5.22	
	11/10/04	184.70	180.65	4.05	
	12/06/04	184.70	178.73	5.97	
	03/14/05	184.70	166.99	17.71	
	06/20/05	184.70	162.59	22.11	
	09/20/05	184.70	165.10	19.60	
	12/17/05	184.70	155.90	28.80	
	03/20/06	184.70	147.23	37.47	
	05/18/06	184.70	143.25	41.45	
	06/19/06	184.70	145.48	39.22	
	09/25/06	184.70	154.15	30.55	
	10/05/06	184.70	154.47	30.23	
	12/12/06	184.70	152.28	32.42	
	03/12/07	184.70	149.91	34.79	
	06/18/07	184.70	156.19	28.51	
	09/24/07	184.70	173.50	11.20	
	12/10/07	184.70	183.15	1.55	
	03/17/08	184.70	182.08	2.62	
	06/23/08	184.70	182.92	1.78	
	09/22/08	184.70	186.55	-1.85	
	12/15/08	184.70	188.45	-3.75	
	12/19/08	184.70	188.47	-3.77	
	03/16/09	184.70	187.58	-2.88	
	03/18/09	184.70	187.51	-2.81	
	06/22/09	184.70	186.43	-1.73	
	06/26/09	184.70	186.46	-1.76	
	08/31/09	184.70	187.31	-2.61	
	09/10/09	184.70	187.42	-2.72	
	12/07/09	184.70	187.82	-3.12	
	03/01/10	184.70	184.83	-0.13	
	03/22/10	184.70	182.35	2.35	
	06/07/10	184.70	178.27	6.43	
	09/07/10	184.70	180.20	4.50	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-06	12/06/10	184.70	178.75	5.95	
(Cont'd)	03/24/11	184.70	UTM	--	
	06/20/11	184.70	164.20	20.50	
	08/01/11	184.70	160.31	24.39	
	10/31/11	184.70	153.73	30.97	
	02/06/12	184.70	150.51	34.19	
	05/07/12	184.70	149.37	35.33	
	08/06/12	184.70	154.85	29.85	
	11/05/12	184.70	161.82	22.88	
	02/04/13	184.70	157.85	26.85	
	05/13/13	184.70	158.14	26.56	
	08/12/13	184.70	167.29	17.41	
	11/11/13	184.70	175.48	9.22	
	02/03/14	184.70	174.60	10.10	
	05/19/14	184.70	177.08	7.62	
	08/18/14	184.70	184.60	0.10	
	11/04/14	184.70	186.64	-1.94	
	02/02/15	184.70	183.05	1.65	
	05/11/15	184.70	177.58	7.12	
	08/10/15	184.70	179.37	5.33	
	11/02/15	184.70	181.29	3.41	
	02/01/16	184.70	178.14	6.56	
	05/02/16	184.70	175.93	8.77	
	08/01/16	184.70	177.64	7.06	
	11/07/16	184.70	181.63	3.07	
	02/06/17	184.70	176.10	8.60	
	05/15/17	184.70	169.28	15.42	
	08/07/17	184.70	169.72	14.98	
	11/06/17	184.70	156.32	28.38	
	02/26/18	184.70	148.68	36.02	
	05/07/18	184.70	152.35	32.35	
	08/20/18	184.70	158.25	26.45	
	11/06/18	184.70	163.09	21.61	
	02/11/19	184.70	159.29	25.41	
	05/14/19	184.70	154.65	30.05	
	08/12/19	184.70	158.29	26.41	
	11/18/19	184.70	162.42	22.28	
	02/03/20	184.70	159.15	25.55	
	05/26/20	184.70	150.84	33.86	
	08/03/20	184.70	150.31	34.39	
	11/02/20	184.70	155.93	28.77	
	02/16/21	184.70	156.08	28.62	
MW-08	01/27/97	169.53	150.66	18.87	
	02/18/97	169.53	149.78	19.75	
	02/26/97	169.53	149.60	19.93	
	03/06/97	169.53	149.62	19.91	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-08	03/12/97	169.53	149.55	19.98	
(Cont'd)	03/28/97	169.53	149.46	20.07	
	05/19/97	169.53	149.33	20.20	
	05/13/98	169.53	149.54	19.99	
	05/27/98	169.53	149.40	20.13	
	06/11/98	169.53	149.30	20.23	
	08/30/99	169.53	155.13	14.40	DPE-H2O
	12/06/99	169.53	159.36	10.17	3.4 inches water in vaccum
	02/07/00	169.53	159.68	9.85	
	03/08/00	169.53	159.23	10.30	
	05/09/01	164.79	157.50	7.29	
	06/26/01	164.79	157.79	7.00	
	10/24/01	164.79	161.80	2.99	
	01/15/02	164.79	162.42	2.37	
	03/19/02	164.79	161.09	3.70	
	04/15/02	158.04	153.98	4.06	
	11/18/02	158.04	156.47	1.57	
	01/17/03	158.04	152.46	5.58	
	05/08/03	158.04	149.90	8.14	
	06/09/03	158.04	150.27	7.77	
	09/15/03	NA	UTM	--	
	10/14/03	NA	UTM	--	
	12/15/03	155.91	150.19	5.72	
	03/29/04	155.91	145.40	10.51	
	06/14/04	155.91	143.68	12.23	
	09/20/04	155.91	145.45	10.46	
	10/19/04	155.91	145.74	10.17	
	11/10/04	155.91	146.04	9.87	
	12/06/04	155.91	145.71	10.20	
	03/14/05	155.91	142.32	13.59	
	06/20/05	155.91	139.61	16.30	
	09/19/05	155.91	139.77	16.14	
	12/17/05	155.91	135.10	20.81	
	03/20/06	155.91	127.02	28.89	
	05/18/06	155.91	121.53	34.38	
	06/19/06	155.91	121.31	34.60	
	09/25/06	155.91	124.38	31.53	
	10/05/06	155.91	124.56	31.35	
	12/12/06	155.91	123.83	32.08	
	03/12/07	155.91	127.24	28.67	
	06/18/07	155.91	132.36	23.55	
	09/24/07	155.91	137.96	17.95	
	12/10/07	155.91	142.65	13.26	
	03/17/08	155.91	145.83	10.08	
	06/23/08	155.91	149.00	6.91	
	09/22/08	155.91	153.53	2.38	
	12/15/08	155.91	157.03	-1.12	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-08	12/19/08	155.91	157.39	-1.48	
(Cont'd)	03/16/09	155.91	157.87	-1.96	
	03/18/09	155.91	157.92	-2.01	
	06/22/09	155.91	157.63	-1.72	
	06/26/09	155.91	157.70	-1.79	
	08/31/09	155.91	159.37	-3.46	
	09/10/09	155.91	159.45	-3.54	
	10/28/09	155.91	159.75	-3.84	
	10/30/09	155.91	159.73	-3.82	
	11/04/09	155.91	159.84	-3.93	
	12/07/09	155.91	159.17	-3.26	
	03/01/10	155.91	157.11	-1.20	
	03/03/10	155.91	157.08	-1.17	
	06/07/10	155.91	152.97	2.94	
	09/07/10	155.91	151.91	4.00	
	12/06/10	155.91	152.22	3.69	
	03/24/11	155.91	146.19	9.72	
	03/25/11	155.91	145.55	10.36	
	06/20/11	155.91	141.72	14.19	
	08/01/11	155.91	139.94	15.97	
	08/05/11	155.91	139.80	16.11	
	10/31/11	155.91	136.88	19.03	
	02/06/12	155.91	136.04	19.87	
	05/07/12	155.91	127.33	28.58	
	08/06/12	155.91	130.71	25.20	
	11/05/12	155.91	136.67	19.24	
	02/04/13	155.91	135.88	20.03	
	05/13/13	155.91	134.32	21.59	
	08/12/13	155.91	137.80	18.11	
	11/11/13	155.91	141.02	14.89	
	02/03/14	155.91	140.72	15.19	
	05/19/14	155.91	141.78	14.13	
	08/18/14	155.91	146.40	9.51	
	11/04/14	155.91	150.19	5.72	
	02/02/15	155.91	149.21	6.70	
	05/11/15	155.91	147.28	8.63	
	08/10/15	155.91	148.42	7.49	
	11/02/15	155.91	149.81	6.10	
	02/01/16	155.91	148.40	7.51	
	05/02/16	155.91	147.26	8.65	
	08/01/16	155.91	148.75	7.16	
	11/07/16	155.91	150.60	5.31	
	02/06/17	155.91	149.06	6.85	
	05/15/17	155.91	144.44	11.47	
	08/07/17	155.91	144.20	11.71	
	11/06/17	155.91	138.67	17.24	
	02/26/18	155.91	127.34	28.57	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-08	05/07/18	155.91	127.08	28.83	
(Cont'd)	08/20/18	155.91	130.30	25.61	
	11/06/18	155.91	133.18	22.73	
	02/11/19	155.91	132.59	23.32	
	05/14/19	155.91	129.57	26.34	
	08/12/19	155.91	131.47	24.44	
	11/18/19	155.91	134.96	20.95	
	02/03/20	155.91	132.98	22.93	
	05/26/20	155.91	127.86	28.05	
	08/03/20	155.91	127.84	28.07	
	11/02/20	155.91	131.13	24.78	
	02/16/21	155.91	131.58	24.33	
MW-09	03/25/97	166.42	137.58	28.84	
	03/28/97	166.42	137.34	29.08	
	05/19/97	166.42	138.31	28.11	
	05/13/98	166.42	139.18	27.24	
	05/27/98	166.42	139.57	26.85	
	06/11/98	166.42	140.03	26.39	
	07/14/98	166.42	142.56	23.86	
	11/11/98	166.42	150.98	15.44	
	11/18/98	166.42	150.72	15.70	SVE, DPE-H2O
	11/18/98	166.42	150.57	15.85	SVE, DPE-H2O
	11/19/98	166.42	150.63	15.79	SVE, DPE-H2O
	11/20/98	166.42	150.64	15.78	SVE, DPE, DPE-H2O
	11/23/98	166.42	150.47	15.95	SVE, DPE-H2O
	11/23/98	166.42	150.43	15.99	SVE, DPE-H2O
	11/24/98	166.42	150.45	15.97	SVE, DPE-H2O
	12/07/98	166.42	149.98	16.44	SVE, DPE-H2O
	12/10/98	166.42	149.67	16.75	SVE, DPE, DPE-H2O
	12/11/98	166.42	149.68	16.74	SVE, DPE, DPE-H2O
	12/14/98	166.42	149.18	17.24	SVE, DPE-H2O
	12/16/98	166.42	148.97	17.45	SVE, DPE, DPE-H2O
	01/06/99	166.42	147.76	18.66	SVE, DPE, DPE-H2O
	01/20/99	166.42	147.18	19.24	
	01/25/99	166.42	146.80	19.62	DPE, DPE-H2O
	01/27/99	166.42	146.98	19.44	SVE, DPE, DPE-H2O
	02/01/99	166.42	146.85	19.57	SVE, DPE, DPE-H2O
	02/10/99	166.42	146.43	19.99	SVE, DPE, DPE-H2O
	02/23/99	166.42	145.78	20.64	
	03/01/99	166.42	145.68	20.74	DPE
	03/09/99	166.42	145.73	20.69	SVE, DPE, DPE-H2O
	03/10/99	166.42	145.70	20.72	SVE, DPE, DPE-H2O
	03/15/99	166.42	145.57	20.85	SVE, DPE, DPE-H2O
	04/07/99	166.42	145.35	21.07	SVE, DPE-H2O
	04/23/99	166.42	144.61	21.81	SVE, DPE-H2O
	06/16/99	166.42	147.11	19.31	SVE, DPE-H2O

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-09	06/25/99	166.42	148.10	18.32	SVE, DPE-H2O
(Cont'd)	08/30/99	166.42	156.90	9.52	DPE-H2O
	09/27/99	166.42	159.80	6.62	
	11/02/99	166.42	163.08	3.34	
	11/09/99	166.42	163.51	2.91	
	11/10/99	166.42	163.44	2.98	
	11/23/99	166.42	163.92	2.50	
	12/06/99	166.42	163.59	2.83	
	12/07/99	166.42	163.41	3.01	
	02/07/00	166.42	160.51	5.91	
	06/29/00	166.42	UTM	--	
	10/24/01	182.15	184.16	-2.01	
	01/15/02	182.15	182.12	0.03	
	03/19/02	182.15	177.57	4.58	
	04/15/02	182.15	176.29	5.86	
	11/18/02	182.28	181.80	0.48	
	01/17/03	182.28	174.44	7.84	
	05/08/03	182.28	172.56	9.72	
	06/09/03	182.28	173.57	8.71	
	09/15/03	182.28	178.03	4.25	
	09/24/03	182.28	178.46	3.82	
	10/14/03	182.28	179.10	3.18	
	12/15/03	182.28	178.00	4.28	
	03/29/04	180.10	166.90	13.20	
	06/14/04	180.10	168.36	11.74	
	09/20/04	180.10	176.29	3.81	
	10/19/04	180.10	178.00	2.10	
	11/10/04	180.10	177.75	2.35	
	12/06/04	180.10	176.64	3.46	
	03/14/05	180.10	167.00	13.10	
	06/20/05	180.10	162.13	17.97	
	09/19/05	180.10	164.58	15.52	
	12/17/05	180.10	156.29	23.81	
	03/20/06	180.10	146.90	33.20	
	05/18/06	180.10	142.77	37.33	
	06/19/06	180.10	144.64	35.46	
	09/25/06	180.10	151.96	28.14	
	10/05/06	180.10	152.33	27.77	
	12/19/06	180.10	150.40	29.70	
	03/12/07	180.10	148.81	31.29	
	06/18/07	180.10	UTM	--	
	09/24/07	180.10	171.33	8.77	
	12/10/07	180.10	179.73	0.37	
	03/17/08	180.10	180.71	-0.61	
	06/27/08	180.10	182.20	-2.10	
	09/22/08	180.10	187.53	-7.43	
	12/15/08	180.10	DRY	--	Dry @ 190.2 ft bls

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-09	03/16/09	180.10	DRY	--	Dry @ 190.0 ft bls
(Cont'd)	06/23/09	180.10	187.69	-7.59	
	08/31/09	180.10	189.34	-9.24	
	12/07/09	180.10	189.35	-9.25	
	03/02/10	180.10	186.09	-5.99	
	03/03/10	180.10	186.08	-5.98	
	06/07/10	180.10	180.11	-0.01	
	09/07/10	180.10	180.51	-0.41	
	12/06/10	180.10	179.83	0.27	
	03/24/11	180.10	170.04	10.06	
	06/20/11	180.10	165.04	15.06	
	08/01/11	180.10	161.84	18.26	
	11/01/11	180.10	155.13	24.97	
	02/06/12	180.10	150.19	29.91	
	05/07/12	180.10	147.54	32.56	
	08/06/12	180.10	152.77	27.33	
	11/05/12	180.10	160.00	20.10	
	02/04/13	180.10	156.77	23.33	
	05/13/13	180.10	155.68	24.42	
	08/14/13	180.10	165.03	15.07	
	11/11/13	180.10	UTM	--	
	02/05/14	180.10	171.71	8.39	
	05/19/14	180.10	173.30	6.80	
	08/20/14	180.10	181.10	-1.00	
	11/04/14	180.10	180.10	0.00	
	02/02/15	180.10	182.06	-1.96	
	05/11/15	180.10	UTM	--	
	08/10/15	180.10	177.85	2.25	
	11/02/15	180.10	179.46	0.64	
	02/01/16	180.10	177.05	3.05	
	05/02/16	180.10	174.55	5.55	
	08/01/16	180.10	176.08	4.02	
	11/07/16	180.10	179.41	0.69	
	02/06/17	180.10	175.72	4.38	
	05/15/17	180.10	168.06	12.04	
	08/07/17	180.10	168.29	11.81	
	11/06/17	180.10	157.61	22.49	
	02/26/18	180.10	147.29	32.81	
	05/07/18	180.10	149.62	30.48	
	08/21/18	180.10	154.90	25.20	
	11/06/18	180.10	158.90	21.20	
	02/11/19	180.10	156.75	23.35	
	05/14/19	180.10	153.08	27.02	
	08/12/19	180.10	156.39	23.71	
	11/21/19	180.10	160.68	19.42	
	02/03/20	180.10	157.39	22.71	
	05/26/20	180.10	149.38	30.72	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-09	08/03/20	180.10	149.01	31.09	
(Cont'd)	11/02/20	180.10	154.32	25.78	
	02/16/21	180.10	154.51	25.59	
MW-13	05/19/97	162.92	149.06	13.86	
	05/13/98	162.92	150.56	12.36	
	05/27/98	162.92	149.67	13.25	
	06/11/98	162.92	149.63	13.29	
	11/02/99	162.92	166.86	-3.94	
	11/09/99	162.92	167.25	-4.33	
	11/10/99	162.92	167.36	-4.44	
	11/11/99	162.92	167.36	-4.44	
	11/23/99	162.92	167.92	-5.00	
	12/06/99	162.92	168.35	-5.43	
	12/07/99	162.92	168.38	-5.46	
	02/07/00	162.92	167.88	-4.96	
	06/21/00	162.55	164.42	-1.87	
	07/05/00	162.55	165.68	-3.13	
	01/16/01	142.51	151.58	-9.07	
	03/19/01	142.51	149.31	-6.80	
	03/26/01	142.51	148.72	-6.21	
	04/03/01	142.51	148.30	-5.79	
	04/10/01	142.51	148.00	-5.49	
	04/17/01	142.51	147.90	-5.39	
	04/26/01	142.51	147.50	-4.99	
	05/07/01	142.51	147.14	-4.63	
	06/26/01	142.51	147.61	-5.10	
	09/10/01	142.19	151.32	-9.13	
	10/22/01	142.19	153.62	-11.43	
	10/24/01	142.19	153.68	-11.49	
	01/15/02	142.19	153.78	-11.59	
	01/15/02	142.19	153.76	-11.57	
	03/19/02	142.19	148.86	-6.67	
	04/15/02	142.19	148.29	-6.10	
	10/31/02	142.19	154.39	-12.20	
	10/31/02	142.19	154.38	-12.19	
	11/07/02	142.19	153.97	-11.78	
	11/07/02	142.19	153.95	-11.76	
	11/18/02	142.19	153.20	-11.01	
	01/17/03	142.19	142.13	0.06	
	05/08/03	142.19	138.90	3.29	
	06/09/03	142.19	140.81	1.38	
	09/15/03	142.19	146.63	-4.44	
	10/14/03	142.19	147.73	-5.54	
	12/02/03	142.19	145.21	-3.02	
	12/15/03	142.19	143.91	-1.72	
	03/29/04	142.19	132.94	9.25	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-13	06/14/04	142.19	132.76	9.43	
(Cont'd)	09/20/04	142.19	138.99	3.20	
	10/19/04	142.19	140.31	1.88	
	11/10/04	142.19	140.06	2.13	
	12/06/04	142.19	139.08	3.11	
	03/14/05	142.19	127.95	14.24	
	06/20/05	142.19	129.49	12.70	
	09/19/05	142.19	132.44	9.75	
	12/17/05	142.19	116.10	26.09	
	03/20/06	142.19	112.58	29.61	
	06/19/06	142.19	108.37	33.82	
	09/25/06	142.19	115.66	26.53	
	12/12/06	142.19	112.59	29.60	
	03/12/07	142.19	117.07	25.12	
	06/18/07	142.19	126.05	16.14	
	09/24/07	142.19	137.98	4.21	
	12/10/07	142.19	146.51	-4.32	
	03/17/08	142.19	147.13	-4.94	
	06/23/08	142.19	149.38	-7.19	
	09/22/08	142.19	153.18	-10.99	
	12/15/08	142.19	156.91	-14.72	
	03/16/09	142.19	155.95	-13.76	
	06/22/09	142.19	152.05	-9.86	
	08/31/09	142.19	154.42	-12.23	
	12/07/09	142.19	153.32	-11.13	
	03/01/10	142.19	148.41	-6.22	
	06/07/10	142.19	141.51	0.68	
	09/07/10	142.19	142.67	-0.48	
	12/06/10	142.19	144.25	-2.06	
	03/24/11	142.19	132.38	9.81	
	06/20/11	142.19	125.39	16.80	
	08/01/11	142.19	127.15	15.04	
	10/31/11	142.19	124.07	18.12	
	02/06/12	142.19	117.20	24.99	
	05/07/12	142.19	110.72	31.47	
	08/06/12	141.84	122.72	19.12	
	11/05/12	141.84	126.32	15.52	
	02/04/13	141.84	122.23	19.61	
	05/13/13	141.84	122.65	19.19	
	08/12/13	141.84	131.58	10.26	
	11/11/13	141.84	138.36	3.48	
	02/03/14	141.84	132.86	8.98	
	05/19/14	141.84	135.69	6.15	
	08/18/14	141.84	146.71	-4.87	
	11/04/14	141.84	150.59	-8.75	
	02/02/15	141.84	144.98	-3.14	
	05/11/15	141.84	UTM	--	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-13	08/10/15	141.84	142.80	-0.96	
(Cont'd)	11/02/15	141.84	145.35	-3.51	
	02/01/16	141.84	140.40	1.44	
	05/02/16	141.84	139.00	2.84	
	08/01/16	141.84	144.12	-2.28	
	11/07/16	141.84	146.91	-5.07	
	02/06/17	141.84	141.47	0.37	
	05/15/17	141.84	130.60	11.24	
	08/07/17	141.84	135.47	6.37	
	11/06/17	141.84	118.28	23.56	
	02/26/18	141.84	113.66	28.18	
	05/07/18	141.84	118.78	23.06	
	08/20/18	141.84	126.01	15.83	
	11/06/18	141.84	129.19	12.65	
	02/11/19	141.84	123.11	18.73	
	05/14/19	141.84	121.07	20.77	
	08/12/19	141.84	125.94	15.90	
	11/18/19	141.84	128.66	13.18	
	02/03/20	141.84	122.70	19.14	
	05/26/20	141.84	117.87	23.97	
	08/03/20	141.84	122.38	19.46	
	11/02/20	141.84	125.40	16.44	
	02/16/21	141.84	119.38	22.46	
MW-15	05/27/98	159.20	153.83	5.37	
	06/11/98	159.20	153.16	6.04	
	11/09/99	159.20	165.47	-6.27	
	12/06/99	159.20	166.56	-7.36	
	02/07/00	159.20	167.68	-8.48	
	06/21/00	159.2	164.57	-5.37	
	07/05/00	159.2	164.94	-5.74	
	01/16/01	154.35	166.25	-11.90	
	03/19/01	154.35	165.42	-11.07	
	05/08/01	154.35	164.16	-9.81	
	06/26/01	154.35	164.09	-9.74	
	09/10/01	154.35	166.43	-12.08	
	10/24/01	154.35	168.27	-13.92	
	01/15/02	154.35	169.03	-14.68	
	03/19/02	154.35	167.33	-12.98	
	04/15/02	146.14	158.58	-12.44	
	11/18/02	146.14	160.67	-14.53	
	01/17/03	146.14	155.87	-9.73	
	05/08/03	NA	UTM	--	
	06/09/03	144.99	149.92	-4.93	
	09/15/03	144.99	152.72	-7.73	
	09/23/03	144.99	152.99	-8.00	
	10/14/03	144.99	153.64	-8.65	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-15	12/15/03	144.99	152.50	-7.51	
(Cont'd)	03/29/04	144.99	146.10	-1.11	
	06/14/04	144.99	142.94	2.05	
	09/20/04	144.99	143.78	1.21	
	10/19/04	144.99	143.74	1.25	
	11/10/04	144.99	144.01	0.98	
	12/06/04	144.99	143.95	1.04	
	03/14/05	144.99	140.02	4.97	
	06/20/05	144.99	137.35	7.64	
	09/19/05	144.99	137.57	7.42	
	12/17/05	144.99	134.72	10.27	
	03/20/06	144.99	124.34	20.65	
	05/18/06	144.99	117.13	27.86	
	06/19/06	144.99	115.44	29.55	
	09/25/06	144.99	116.80	28.19	
	10/05/06	144.99	117.09	27.90	
	12/12/06	144.99	117.21	27.78	
	03/12/07	144.99	118.76	26.23	
	06/18/07	144.99	123.16	21.83	
	09/24/07	144.99	132.92	12.07	
	12/10/07	144.99	141.07	3.92	
	03/17/08	144.99	149.72	-4.73	
	06/23/08	144.99	154.59	-9.60	
	09/22/08	144.99	160.27	-15.28	
	12/15/08	144.92	164.12	-19.20	
	12/19/08	144.92	164.61	-19.69	
	03/16/09	144.92	164.01	-19.09	
	03/18/09	144.92	165.33	-20.41	
	06/22/09	144.92	161.11	-16.19	
	06/26/09	144.92	161.17	-16.25	
	08/31/09	144.92	162.89	-17.97	
	09/10/09	144.92	163.05	-18.13	
	10/28/09	144.92	162.60	-17.68	
	10/30/09	144.92	162.66	-17.74	
	11/04/09	144.92	162.38	-17.46	
	12/07/09	144.92	161.33	-16.41	
	03/01/10	144.92	159.25	-14.33	
	03/03/10	144.92	159.08	-14.16	
	03/09/10	144.92	154.33	-9.41	
	06/07/10	144.92	154.43	-9.51	
	09/07/10	144.92	152.71	-7.79	
	12/06/10	144.92	153.09	-8.17	
	03/24/11	144.92	147.05	-2.13	
	03/25/11	144.92	146.74	-1.82	
	06/20/11	144.92	142.83	2.09	
	08/01/11	144.92	141.00	3.92	
	08/05/11	144.92	140.61	4.31	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-15	10/31/11	144.92	138.25	6.67	
(Cont'd)	02/06/12	144.92	133.38	11.54	
	05/07/12	144.92	125.83	19.09	
	08/06/12	144.95	124.70	20.25	
	11/05/12	144.95	130.04	14.91	
	02/04/13	144.95	130.76	14.19	
	05/13/13	144.95	128.03	16.92	
	08/12/13	144.95	134.30	10.65	
	11/11/13	144.95	140.15	4.80	
	02/03/14	144.95	140.93	4.02	
	05/19/14	144.95	141.94	3.01	
	08/18/14	144.95	147.95	-3.00	
	11/04/14	144.95	153.31	-8.36	
	02/02/15	144.95	153.08	-8.13	
	05/11/15	144.95	149.51	-4.56	
	08/10/15	144.95	150.48	-5.53	
	11/02/15	144.95	152.03	-7.08	
	02/01/16	144.95	150.10	-5.15	
	05/02/16	144.95	148.58	-3.63	
	08/01/16	144.95	150.34	-5.39	
	11/07/16	144.95	152.92	-7.97	
	02/06/17	144.95	151.51	-6.56	
	05/15/17	144.95	145.35	-0.40	
	08/07/17	144.95	144.80	0.15	
	11/06/17	144.95	140.75	4.20	
	02/26/18	144.95	127.60	17.35	
	05/07/18	144.95	124.91	20.04	
	08/20/18	144.95	127.27	17.68	
	11/06/18	144.95	129.65	15.30	
	02/11/19	144.95	130.53	14.42	
	05/14/19	144.95	127.52	17.43	
	08/12/19	144.95	127.92	17.03	
	11/18/19	144.95	130.51	14.44	
	02/03/20	144.95	130.51	14.44	
	05/26/20	144.95	126.66	18.29	
	08/03/20	144.95	125.83	19.12	
	11/02/20	144.95	128.05	16.90	
	02/16/21	144.95	128.04	16.91	
MW-16	11/09/99	164.08	170.71	-6.63	
	11/09/99	164.08	170.84	-6.76	
	11/10/99	164.08	171.00	-6.92	
	11/10/99	164.08	174.01	-9.93	
	11/22/99	164.08	163.94	0.14	
	11/23/99	164.08	164.17	-0.09	
	12/06/99	164.08	164.36	-0.28	
	12/07/99	164.08	164.32	-0.24	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-16	12/07/99	164.08	172.50	-8.42	
(Cont'd)	02/07/00	164.08	162.75	1.33	
	02/18/00	164.08	162.36	1.72	
	06/21/00	164.08	160.66	3.42	
	07/05/00	164.08	161.62	2.46	
	07/06/00	164.08	161.62	2.46	
	01/16/01	146.18	148.73	-2.55	
	03/19/01	146.18	146.47	-0.29	
	03/26/01	146.18	146.07	0.11	
	04/03/01	146.18	145.80	0.38	
	04/10/01	146.18	145.50	0.68	
	04/17/01	146.18	145.20	0.98	
	04/26/01	146.18	145.50	0.68	
	05/10/01	146.18	144.70	1.48	
	06/26/01	146.18	149.09	-2.91	
	10/24/01	146.26	151.72	-5.46	
	01/15/02	142.73	148.36	-5.63	
	03/19/02	142.73	145.53	-2.80	
	04/15/02	142.73	145.24	-2.51	
	10/31/02	142.73	149.95	-7.22	
	11/18/02	142.73	147.11	-4.38	
	01/17/03	142.73	133.43	9.30	
	01/17/03	142.73	133.44	9.29	
	05/08/03	142.73	142.24	0.49	
	06/09/03	142.73	145.96	-3.23	
	09/15/03	142.73	150.25	-7.52	
	09/19/03	142.73	150.32	-7.59	
	09/24/03	142.73	150.37	-7.64	
	09/25/03	142.73	150.26	-7.53	
	10/14/03	142.73	149.51	-6.78	
	12/02/03	142.73	143.81	-1.08	
	12/03/03	142.73	143.52	-0.79	
	12/15/03	142.73	141.50	1.23	
	03/29/04	142.73	129.17	13.56	
	04/29/04	142.73	128.89	13.84	
	06/14/04	142.73	134.28	8.45	
	09/20/04	142.73	146.47	-3.74	
	10/19/04	142.73	146.25	-3.52	
	11/10/04	142.73	144.36	-1.63	
	12/06/04	142.73	141.31	1.42	
	03/14/05	142.73	127.49	15.24	
	06/20/05	142.73	132.93	9.80	
	07/13/05	142.73	130.66	12.07	
	09/19/05	142.73	140.08	2.65	
	09/21/05	142.73	140.27	2.46	
	12/17/05	142.73	119.28	23.45	
	12/19/05	142.73	118.95	23.78	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-16	03/20/06	142.73	112.82	29.91	
(Cont'd)	06/19/06	142.73	108.54	34.19	
	09/25/06	142.73	118.38	24.35	
	10/05/06	142.73	118.60	24.13	
	12/11/06	142.73	116.26	26.47	
	03/12/07	142.73	122.91	19.82	
	06/18/07	142.73	123.16	19.57	
	09/24/07	142.73	153.25	-10.52	
	12/10/07	142.73	150.10	-7.37	
	12/20/07	142.73	150.49	-7.76	
	03/17/08	142.73	150.44	-7.71	
	06/23/08	142.73	152.46	-9.73	
	07/11/08	142.73	153.82	-11.09	
	07/14/08	142.73	153.73	-11.00	
	07/15/08	142.73	153.81	-11.08	
	07/30/08	142.73	155.17	-12.44	
	09/22/08	142.73	159.91	-17.18	
	10/22/08	142.73	162.00	-19.27	
	12/15/08	142.73	164.63	-21.90	
	12/19/08	142.73	164.07	-21.34	
	02/25/09	142.73	159.44	-16.71	
	03/16/09	142.73	159.56	-16.83	
	03/18/09	142.73	160.35	-17.62	
	04/29/09	142.73	154.63	-11.90	
	04/29/09	142.73	154.68	-11.95	
	05/27/09	142.73	156.56	-13.83	
	06/22/09	142.73	157.90	-15.17	
	06/26/09	142.73	158.59	-15.86	
	08/31/09	142.73	160.61	-17.88	
	09/10/09	142.73	161.06	-18.33	
	10/23/09	142.73	158.83	-16.10	
	10/30/09	142.73	157.98	-15.25	
	11/04/09	142.73	157.58	-14.85	
	12/07/09	142.73	156.03	-13.30	
	01/19/10	142.73	154.70	-11.97	
	03/01/10	142.73	149.08	-6.35	
	03/03/10	142.73	148.71	-5.98	
	06/07/10	142.73	144.31	-1.58	
	09/07/10	142.73	151.63	-8.90	
	12/06/10	142.73	150.27	-7.54	
	03/24/11	142.73	134.07	8.66	
	06/20/11	142.73	129.99	12.74	
	08/01/11	142.73	130.92	11.81	
	08/05/11	142.73	131.23	11.50	
	10/31/11	142.73	128.83	13.90	
	02/06/12	142.73	121.44	21.29	
	05/07/12	142.73	115.07	27.66	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-16	08/06/12	142.40	127.03	15.37	
(Cont'd)	11/05/12	142.40	137.88	4.52	
	12/10/12	142.40	134.83	7.57	
	02/04/13	142.40	130.18	12.22	
	05/13/13	142.40	128.52	13.88	
	08/12/13	142.40	147.17	-4.77	
	11/11/13	142.40	148.83	-6.43	
	02/03/14	142.40	140.85	1.55	
	05/19/14	142.40	146.88	-4.48	
	08/18/14	142.40	155.65	-13.25	
	11/04/14	142.40	155.20	-12.80	
	02/02/15	142.40	147.12	-4.72	
	05/11/15	142.40	144.17	-1.77	
	08/10/15	142.40	151.80	-9.40	
	11/02/15	142.40	151.15	-8.75	
	02/01/16	142.40	143.32	-0.92	
	05/02/16	142.40	145.40	-3.00	
	08/01/16	142.40	151.25	-8.85	
	11/07/16	142.40	153.21	-10.81	
	02/06/17	142.40	139.01	3.39	
	05/15/17	142.40	134.17	8.23	
	08/07/17	142.40	140.81	1.59	
	11/06/17	142.40	119.82	22.58	
	02/26/18	142.40	113.61	28.79	
	05/07/18	142.40	116.44	25.96	
	08/20/18	142.40	124.76	17.64	
	11/06/18	142.40	128.51	13.89	
	02/11/19	142.40	122.99	19.41	
	05/14/19	142.40	119.89	22.51	
	08/12/19	142.40	125.70	16.70	
	11/18/19	142.40	130.84	11.56	
	02/03/20	142.40	124.41	17.99	
	05/26/20	142.40	116.40	26.00	
	08/03/20	142.40	118.13	24.27	
	11/02/20	142.40	126.66	15.74	
	02/16/21	142.40	124.48	17.92	
MW-17	06/21/00	158.77	163.65	-4.88	
	07/05/00	158.77	166.30	-7.53	
	01/16/01	145.28	154.14	-8.86	
	03/19/01	145.28	148.20	-2.92	
	03/26/01	145.28	147.96	-2.68	
	04/03/01	145.28	148.00	-2.72	
	04/10/01	145.28	147.80	-2.52	
	04/17/01	145.28	147.70	-2.42	
	04/26/01	145.28	147.90	-2.62	
	05/08/01	145.28	148.34	-3.06	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-17	06/26/01	145.28	152.88	-7.60	
(Cont'd)	09/10/01	142.49	159.11	-16.62	
	10/22/01	142.49	162.45	-19.96	
	10/24/01	142.49	162.52	-20.03	
	01/15/02	142.49	150.30	-7.81	
	03/19/02	142.49	146.31	-3.82	
	04/15/02	142.49	146.92	-4.43	
	11/18/02	142.49	145.21	-2.72	
	05/08/03	142.49	142.77	-0.28	
	06/09/03	142.49	146.12	-3.63	
	09/15/03	142.66	151.61	-8.95	
	10/14/03	142.66	152.31	-9.65	
	12/02/03	142.66	141.10	1.56	
	12/15/03	142.66	138.77	3.89	
	03/29/04	142.66	128.10	14.56	
	06/14/04	142.66	135.02	7.64	
	09/20/04	142.66	145.34	-2.68	
	10/19/04	142.66	144.94	-2.28	
	11/10/04	142.66	142.71	-0.05	
	12/06/04	142.66	138.67	3.99	
	03/14/05	142.66	125.49	17.17	
	06/20/05	142.66	132.60	10.06	
	09/19/05	142.66	137.49	5.17	
	12/17/05	142.66	116.68	25.98	
	03/20/06	142.66	113.20	29.46	
	06/19/06	142.66	108.97	33.69	
	09/25/06	142.66	116.20	26.46	
	12/12/06	142.66	113.17	29.49	
	03/12/07	142.66	117.46	25.20	
	06/18/07	142.66	129.43	13.23	
	09/24/07	142.66	149.29	-6.63	
	12/10/07	142.66	154.89	-12.23	
	03/17/08	142.66	149.19	-6.53	
	06/23/08	142.66	154.35	-11.69	
	09/22/08	142.66	162.79	-20.13	
	12/15/08	142.66	162.89	-20.23	
	03/16/09	142.66	151.39	-8.73	
	06/22/09	142.66	152.09	-9.43	
	08/31/09	142.66	156.35	-13.69	
	12/07/09	142.66	150.10	-7.44	
	03/01/10	142.66	145.46	-2.80	
	06/07/10	142.66	139.06	3.60	
	09/08/10	142.66	145.75	-3.09	
	12/06/10	142.66	143.89	-1.23	
	03/24/11	142.66	128.87	13.79	
	06/20/11	142.66	125.84	16.82	
	08/01/11	142.66	127.11	15.55	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-17	10/31/11	142.66	124.34	18.32	
(Cont'd)	02/06/12	142.66	117.62	25.04	
	05/07/12	142.66	111.26	31.40	
	08/06/12	142.70	123.10	19.60	
	11/05/12	142.70	129.72	12.98	
	02/04/13	142.70	122.55	20.15	
	05/13/13	142.70	122.90	19.80	
	08/12/13	142.70	139.22	3.48	
	11/11/13	142.70	141.18	1.52	
	02/03/14	142.70	132.71	9.99	
	05/19/14	142.70	142.29	0.41	
	08/18/14	142.70	155.51	-12.81	
	11/04/14	142.70	156.45	-13.75	
	02/02/15	142.70	140.40	2.30	
	05/11/15	142.70	139.91	2.79	
	08/10/15	142.70	146.89	-4.19	
	11/02/15	142.70	145.56	-2.86	
	02/01/16	142.70	137.45	5.25	
	05/02/16	142.70	141.41	1.29	
	08/01/16	142.70	147.70	-5.00	
	11/07/16	142.70	148.30	-5.60	
	02/06/17	142.70	133.58	9.12	
	05/15/17	142.70	131.31	11.39	
	08/07/17	142.70	137.68	5.02	
	11/06/17	142.70	118.34	24.36	
	02/26/18	142.70	113.61	29.09	
	05/07/18	142.70	118.72	23.98	
	08/20/18	142.70	129.80	12.90	
	11/06/18	142.70	132.61	10.09	
	02/11/19	142.70	123.20	19.50	
	05/14/19	142.70	121.06	21.64	
	08/12/19	142.70	127.29	15.41	
	11/18/19	142.70	131.38	11.32	
	02/03/20	142.70	122.60	20.10	
	05/26/20	142.70	117.81	24.89	
	08/03/20	142.70	122.31	20.39	
	11/02/20	142.70	125.49	17.21	
	02/16/21	142.70	119.50	23.20	
MW-18	06/15/00	161.51	166.05	-4.54	
	06/21/00	161.51	167.18	-5.67	
	07/05/00	161.51	169.55	-8.04	
	01/16/01	144.03	153.83	-9.80	
	03/19/01	144.03	147.97	-3.94	
	03/26/01	144.03	147.72	-3.69	
	04/03/01	144.03	147.70	-3.67	
	04/10/01	144.03	147.40	-3.37	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-18	04/17/01	144.03	147.30	-3.27	
(Cont'd)	04/26/01	144.03	147.60	-3.57	
	05/07/01	144.03	148.07	-4.04	
	06/26/01	144.03	152.56	-8.53	
	09/10/01	142.11	159.63	-17.52	
	10/22/01	142.11	162.83	-20.72	
	10/24/01	142.11	162.88	-20.77	
	01/15/02	142.11	150.89	-8.78	
	01/15/02	142.11	150.84	-8.73	
	03/19/02	142.11	146.87	-4.76	
	04/15/02	142.11	147.46	-5.35	
	10/31/02	142.11	151.28	-9.17	
	10/31/02	142.11	151.24	-9.13	
	11/07/02	142.11	149.20	-7.09	
	11/07/02	142.11	149.17	-7.06	
	11/18/02	142.11	145.66	-3.55	
	01/17/03	142.11	131.07	11.04	
	05/08/03	142.11	143.19	-1.08	
	06/09/03	142.11	146.59	-4.48	
	09/15/03	142.11	151.93	-9.82	
	10/14/03	142.11	152.61	-10.50	
	12/02/03	142.11	141.26	0.85	
	12/03/03	142.11	141.04	1.07	
	12/15/03	142.11	138.95	3.16	
	03/29/04	142.11	128.16	13.95	
	04/29/04	142.11	128.60	13.51	
	06/14/04	142.11	135.03	7.08	
	09/20/04	142.11	145.41	-3.30	
	10/19/04	142.11	145.00	-2.89	
	11/10/04	142.11	142.82	-0.71	
	12/06/04	142.11	138.22	3.89	
	03/14/05	142.11	125.47	16.64	
	06/20/05	142.11	131.58	10.53	
	07/13/05	142.11	128.64	13.47	
	09/19/05	142.11	137.61	4.50	
	09/21/05	142.11	137.79	4.32	
	12/17/05	142.11	116.61	25.50	
	02/24/06	142.11	108.75	33.36	
	03/20/06	142.11	112.98	29.13	
	05/18/06	142.11	106.02	36.09	
	06/19/06	142.11	108.73	33.38	
	09/25/06	142.11	116.04	26.07	
	12/12/06	142.11	112.97	29.14	
	03/12/07	142.11	117.39	24.72	
	06/18/07	142.11	129.43	12.68	
	09/24/07	142.11	149.48	-7.37	
	12/10/07	142.11	155.01	-12.90	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-18	03/17/08	142.11	149.46	-7.35	
(Cont'd)	06/23/08	142.11	154.58	-12.47	
	09/22/08	142.11	162.96	-20.85	
	12/15/08	142.11	163.14	-21.03	
	03/16/09	142.11	151.76	-9.65	
	06/22/09	142.11	152.37	-10.26	
	08/31/09	142.11	156.67	-14.56	
	12/07/09	142.11	150.40	-8.29	
	03/01/10	142.11	145.68	-3.57	
	06/07/10	142.11	139.22	2.89	
	09/07/10	142.11	145.91	-3.80	
	12/06/10	142.11	144.09	-1.98	
	03/24/11	142.11	128.91	13.20	
	06/20/11	142.11	125.82	16.29	
	08/01/11	142.11	127.20	14.91	
	10/31/11	142.11	124.44	17.67	
	02/06/12	142.11	117.59	24.52	
	05/07/12	142.11	111.11	31.00	
	08/06/12	142.32	123.10	19.22	
	11/05/12	142.32	129.95	12.37	
	02/04/13	142.32	122.75	19.57	
	05/13/13	142.32	123.11	19.21	
	08/12/13	142.32	139.59	2.73	
	11/11/13	142.32	141.50	0.82	
	02/03/14	142.32	132.93	9.39	
	05/19/14	142.32	142.72	-0.40	
	08/18/14	142.32	155.01	-12.69	
	11/04/14	142.32	156.98	-14.66	
	02/02/15	142.32	140.77	1.55	
	05/11/15	142.32	140.34	1.98	
	08/10/15	142.32	147.44	-5.12	
	11/02/15	142.32	146.02	-3.70	
	02/01/16	142.32	137.80	4.52	
	05/02/16	142.32	142.11	0.21	
	08/01/16	142.32	148.48	-6.16	
	11/07/16	142.32	149.12	-6.80	
	02/06/17	142.32	134.27	8.05	
	05/15/17	142.32	131.85	10.47	
	08/07/17	142.32	138.33	3.99	
	11/06/17	142.32	118.79	23.53	
	02/26/18	142.32	114.03	28.29	
	05/07/18	142.32	119.15	23.17	
	08/20/18	142.32	130.31	12.01	
	11/06/18	142.32	133.16	9.16	
	02/11/19	142.32	123.62	18.70	
	05/14/19	142.32	121.51	20.81	
	08/12/19	142.32	127.79	14.53	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-18	11/18/19	142.32	129.95	12.37	
(Cont'd)	02/03/20	142.32	123.07	19.25	
	05/26/20	142.32	118.23	24.09	
	08/03/20	142.32	122.76	19.56	
	11/02/20	142.32	125.94	16.38	
	02/16/21	142.32	119.90	22.42	
MW-19	06/14/00	156.43	160.16	-3.73	
	06/21/00	156.43	161.53	-5.10	
	07/05/00	156.43	164.21	-7.78	
	01/16/01	145.28	UTM	--	
	03/19/01	145.28	UTM	--	
	05/08/01	145.28	148.50	-3.22	
	06/26/01	145.28	153.11	-7.83	
	09/10/01	142.55	159.50	-16.95	
	10/22/01	142.55	162.99	-20.44	
	10/24/01	142.55	162.98	-20.43	
	01/15/02	142.55	150.68	-8.13	
	03/19/02	142.55	146.60	-4.05	
	04/15/02	142.55	147.21	-4.66	
	11/18/02	142.55	145.68	-3.13	
	05/08/03	142.55	143.03	-0.48	
	06/09/03	142.55	146.39	-3.84	
	09/15/03	142.55	151.75	-9.20	
	09/19/03	142.55	151.85	-9.30	
	10/14/03	142.55	152.45	-9.90	
	12/02/03	142.55	141.40	1.15	
	12/15/03	142.72	139.07	3.65	
	03/29/04	142.72	128.10	14.62	
	06/14/04	142.72	135.09	7.63	
	09/20/04	142.72	145.55	-2.83	
	10/19/04	142.72	145.20	-2.48	
	11/10/04	142.72	142.94	-0.22	
	12/06/04	142.72	138.87	3.85	
	03/14/05	142.72	125.50	17.22	
	06/20/05	142.72	131.63	11.09	
	09/19/05	142.72	137.49	5.23	
	12/17/05	142.72	116.59	26.13	
	03/20/06	142.72	112.71	30.01	
	06/19/06	142.72	108.71	34.01	
	09/25/06	142.72	116.10	26.62	
	12/12/06	142.72	113.00	29.72	
	03/12/07	142.72	117.20	25.52	
	06/18/07	142.72	129.32	13.40	
	09/24/07	142.72	149.46	-6.74	
	12/10/07	142.72	155.15	-12.43	
	03/17/08	142.72	149.35	-6.63	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-19	06/23/08	142.72	154.47	-11.75	
(Cont'd)	09/22/08	142.72	163.03	-20.31	
	12/15/08	142.72	163.18	-20.46	
	03/16/09	142.72	151.68	-8.96	
	06/22/09	142.72	152.41	-9.69	
	08/31/09	142.72	156.69	-13.97	
	12/07/09	142.72	150.42	-7.70	
	03/01/10	142.72	145.73	-3.01	
	06/07/10	142.72	139.20	3.52	
	09/08/10	142.72	145.97	-3.25	
	12/06/10	142.72	144.11	-1.39	
	03/24/11	142.72	128.79	13.93	
	06/20/11	142.72	125.82	16.90	
	08/01/11	142.72	127.06	15.66	
	10/31/11	142.72	124.19	18.53	
	02/06/12	142.72	117.41	25.31	
	05/07/12	142.72	111.03	31.69	
	08/06/12	142.06	122.99	19.07	
	11/05/12	142.06	129.73	12.33	
	02/04/13	142.06	122.49	19.57	
	05/13/13	142.06	122.76	19.30	
	08/12/13	142.06	139.28	2.78	
	11/11/13	142.06	141.43	0.63	
	02/03/14	142.06	132.91	9.15	
	05/19/14	142.06	142.39	-0.33	
	08/18/14	142.06	154.73	-12.67	
	11/04/14	142.06	156.81	-14.75	
	02/02/15	142.06	140.66	1.40	
	05/11/15	142.06	140.04	2.02	
	08/10/15	142.06	147.05	-4.99	
	11/02/15	142.06	145.85	-3.79	
	02/01/16	142.06	137.60	4.46	
	05/02/16	142.06	141.70	0.36	
	08/01/16	142.06	147.99	-5.93	
	11/07/16	142.06	148.77	-6.71	
	02/06/17	142.06	133.94	8.12	
	05/15/17	142.06	131.52	10.54	
	08/07/17	142.06	137.97	4.09	
	11/06/17	142.06	118.44	23.62	
	02/26/18	142.06	113.63	28.43	
	05/07/18	142.06	118.76	23.30	
	08/20/18	142.06	129.95	12.11	
	11/06/18	142.06	132.85	9.21	
	02/11/19	142.06	123.39	18.67	
	05/14/19	142.06	121.16	20.90	
	08/12/19	142.06	127.47	14.59	
	11/18/19	142.06	131.48	10.58	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-19	02/03/20	142.06	122.78	19.28	
(Cont'd)	05/26/20	142.06	117.85	24.21	
	08/03/20	142.06	122.34	19.72	
	11/02/20	142.06	125.70	16.36	
	02/16/21	142.06	119.63	22.43	
MW-20	06/30/03	184.19	168.22	15.97	
	09/15/03	184.19	171.58	12.61	
	09/23/03	184.19	171.95	12.24	
	10/08/03	184.19	172.43	11.76	
	10/14/03	184.19	172.83	11.36	
	12/15/03	184.19	172.34	11.85	
	03/29/04	184.19	163.81	20.38	
	06/14/04	184.19	165.21	18.98	
	09/20/04	184.19	174.15	10.04	
	11/10/04	184.19	176.60	7.59	
	12/06/04	184.19	175.49	8.70	
	03/14/05	184.19	165.05	19.14	
	06/20/05	184.19	158.60	25.59	
	09/19/05	184.19	160.38	23.81	
	12/17/05	184.19	153.77	30.42	
	03/20/06	184.19	144.52	39.67	
	06/19/06	184.19	142.00	42.19	
	09/25/06	184.19	149.33	34.86	
	12/12/06	184.19	148.77	35.42	
	03/12/07	184.19	146.04	38.15	
	06/18/07	184.19	150.00	34.19	
	09/24/07	184.19	166.46	17.73	
	12/10/07	184.19	176.76	7.43	
	03/17/08	184.19	177.00	7.19	
	06/23/08	184.19	176.53	7.66	
	09/22/08	184.19	182.60	1.59	
	12/15/08	184.19	185.69	-1.50	
	03/16/09	184.19	184.62	-0.43	
	06/22/09	184.19	182.07	2.12	
	08/31/09	184.19	183.50	0.69	
	12/07/09	184.19	184.31	-0.12	
	03/01/10	184.19	180.87	3.32	
	06/07/10	184.19	174.32	9.87	
	09/07/10	184.19	175.17	9.02	
	12/06/10	184.19	174.53	9.66	
	03/24/11	184.19	165.49	18.70	
	06/20/11	184.19	160.68	23.51	
	08/01/11	184.19	156.84	27.35	
	10/31/11	184.19	149.75	34.44	
	02/06/12	184.19	145.82	38.37	
	05/07/12	184.19	144.24	39.95	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-20	08/06/12	184.19	148.35	35.84	
(Cont'd)	11/05/12	184.19	155.69	28.50	
	02/04/13	184.19	153.17	31.02	
	05/13/13	184.19	152.17	32.02	
	08/12/13	184.19	160.23	23.96	
	11/11/13	184.19	169.35	14.84	
	02/03/14	184.19	168.83	15.36	
	05/19/14	184.19	170.06	14.13	
	08/18/14	184.19	177.61	6.58	
	11/04/14	184.19	182.39	1.80	
	02/02/15	184.19	178.53	5.66	
	05/11/15	184.19	172.40	11.79	
	08/10/15	184.19	173.36	10.83	
	11/02/15	184.19	175.51	8.68	
	02/01/16	184.19	173.00	11.19	
	05/02/16	184.19	170.57	13.62	
	08/01/16	184.19	171.60	12.59	
	11/07/16	184.19	175.75	8.44	
	02/06/17	184.19	172.10	12.09	
	05/15/17	184.19	164.27	19.92	
	08/07/17	184.19	164.41	19.78	
	11/06/17	184.19	154.35	29.84	
	02/26/18	184.19	144.15	40.04	
	05/07/18	184.19	146.59	37.60	
	08/20/18	184.19	151.55	32.64	
	11/06/18	184.19	156.43	27.76	
	02/11/19	184.19	154.45	29.74	
	05/14/19	184.19	151.11	33.08	
	08/12/19	184.19	153.42	30.77	
	11/18/19	184.19	157.35	26.84	
	02/03/20	184.19	155.21	28.98	
	05/26/20	184.19	146.82	37.37	
	08/03/20	184.19	145.66	38.53	
	11/02/20	184.19	150.39	33.80	
	02/16/21	184.19	151.68	32.51	
MW-21	09/15/03	142.68	146.34	-3.66	
	09/19/03	142.68	146.53	-3.85	
	09/23/03	142.68	146.75	-4.07	
	09/25/03	142.68	147.05	-4.37	
	10/08/03	142.68	147.31	-4.63	
	10/14/03	142.68	147.72	-5.04	
	12/02/03	142.68	142.95	-0.27	
	12/03/03	142.68	142.65	0.03	
	12/15/03	142.68	141.34	1.34	
	03/29/04	142.68	130.83	11.85	
	04/29/04	142.68	129.48	13.20	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-21	06/14/04	142.68	131.21	11.47	
(Cont'd)	09/20/04	142.68	138.15	4.53	
	10/19/04	142.68	138.75	3.93	
	11/10/04	142.68	138.82	3.86	
	12/06/04	142.68	137.64	5.04	
	03/14/05	142.68	128.64	14.04	
	06/20/05	142.68	127.83	14.85	
	07/13/05	142.68	126.82	15.86	
	09/19/05	142.68	131.31	11.37	
	09/21/05	142.68	131.51	11.17	
	12/17/05	142.68	120.26	22.42	
	12/19/05	142.68	120.13	22.55	
	03/20/06	142.68	113.24	29.44	
	06/19/06	142.68	107.60	35.08	
	09/25/06	142.68	111.36	31.32	
	10/05/06	142.68	111.45	31.23	
	12/11/06	142.68	110.57	32.11	
	03/12/07	142.68	114.18	28.50	
	06/18/07	142.68	120.04	22.64	
	09/24/07	142.68	135.85	6.83	
	12/10/07	142.68	146.37	-3.69	
	01/21/08	142.68	148.51	-5.83	
	01/21/08	140.30	148.51	-8.2	
	03/17/08	140.30	146.90	-6.6	Pilot GETS
	05/27/08	141.23	148.71	-7.48	
	06/23/08	141.23	150.40	-9.17	
	07/09/08	141.18	160.02	-18.84	Pilot GETS
	07/11/08	141.18	153.31	-12.13	Pilot GETS
	07/14/08	141.18	152.84	-11.66	Pilot GETS
	07/15/08	141.18	161.98	-20.8	Pilot GETS
	07/30/08	141.18	162.93	-21.75	Pilot GETS
	08/14/08	141.18	165.94	-24.76	
	08/25/08	141.18	167.47	-26.29	
	09/22/08	141.18	170.65	-29.47	
	10/22/08	141.18	172.35	-31.17	
	12/15/08	141.18	168.21	-27.03	Pilot GETS
	12/19/08	141.18	166.50	-25.32	Pilot GETS
	01/07/09	141.18	161.36	-20.18	Pilot GETS
	02/25/09	141.18	165.74	-24.56	
	03/16/09	141.18	166.33	-25.15	Pilot GETS
	03/18/09	141.18	164.52	-23.34	Pilot GETS
	04/29/09	141.18	156.91	-15.73	Pilot GETS
	04/29/09	141.18	162.95	-21.77	Pilot GETS
	05/27/09	141.18	162.71	-21.53	Pilot GETS
	06/22/09	141.18	163.25	-22.07	Pilot GETS
	06/26/09	141.18	163.49	-22.31	Pilot GETS
	06/29/09	141.18	163.93	-22.75	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-21	07/22/09	141.18	166.47	-25.29	Pilot GETS
(Cont'd)	08/14/09	141.18	170.24	-29.06	Pilot GETS
	08/31/09	141.18	166.80	-25.62	Pilot GETS
	09/10/09	141.18	168.29	-27.11	Pilot GETS
	09/11/09	141.18	167.13	-25.95	
	10/08/09	141.18	166.65	-25.47	
	10/23/09	141.18	155.98	-14.80	
	10/30/09	141.18	154.90	-13.72	
	11/04/09	141.18	154.08	-12.90	
	12/07/09	141.18	150.92	-9.74	
	12/09/09	141.18	155.00	-13.82	
	03/01/10	141.18	144.78	-3.60	
	03/05/10	141.18	156.41	-15.23	
	06/07/10	141.18	137.88	3.30	
	09/07/10	141.18	139.87	1.31	
	12/06/10	141.18	141.05	0.13	
	03/24/11	141.18	129.59	11.59	
	06/20/11	141.18	124.57	16.61	
	08/01/11	141.18	123.72	17.46	
	08/05/11	141.18	123.64	17.54	
	10/14/11	141.18	120.69	20.49	Pilot GETS
	10/31/11	141.18	120.89	20.29	Pilot GETS
	12/08/11	141.18	131.77	9.41	Pilot GETS
	01/05/12	141.18	133.06	8.12	Pilot GETS
	01/06/12	141.18	133.19	7.99	Pilot GETS
	01/25/12	141.18	132.89	8.29	Pilot GETS
	02/06/12	141.18	132.30	8.88	Pilot GETS
	02/08/12	141.18	132.93	8.25	Pilot GETS
	03/09/12	141.18	131.41	9.77	
	04/02/12	141.18	114.08	27.10	
	05/07/12	141.18	111.08	30.10	
	06/26/12	141.18	111.62	29.56	
	08/06/12	141.18	115.74	25.44	
	11/05/12	141.18	122.76	18.42	
	02/04/13	141.18	120.81	20.37	
	05/13/13	141.18	119.39	21.79	
	08/12/13	141.18	129.76	11.42	
	11/11/13	141.18	136.24	4.94	
	02/03/14	141.18	132.53	8.65	
	05/19/14	141.18	135.55	5.63	
	08/18/14	141.18	145.70	-4.52	
	11/04/14	141.18	150.91	-9.73	
	02/02/15	141.18	142.81	-1.63	
	05/11/15	141.18	137.72	3.46	
	08/10/15	141.18	141.41	-0.23	
	11/02/15	141.18	142.78	-1.60	
	02/01/16	141.18	138.22	2.96	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-21	05/02/16	141.18	137.45	3.73	
(Cont'd)	08/01/16	141.18	141.20	-0.02	
	11/07/16	141.18	145.60	-4.42	
	02/06/17	141.18	137.28	3.90	
	05/15/17	141.18	130.30	10.88	
	08/07/17	141.18	132.40	8.78	
	11/06/17	141.18	121.00	20.18	
	02/26/18	141.18	111.72	29.46	
	05/07/18	141.18	111.48	29.70	
	08/20/18	141.18	115.21	25.97	
	11/06/18	141.18	118.22	22.96	
	02/11/19	141.18	117.73	23.45	
	05/14/19	141.18	113.96	27.22	
	08/12/19	141.18	116.91	24.27	
	11/18/19	141.18	120.11	21.07	
	02/03/20	141.18	117.42	23.76	
	05/26/20	141.18	112.09	29.09	
	08/03/20	141.18	112.03	29.15	
	11/02/20	141.18	116.02	25.16	
	02/16/21	141.18	116.07	25.11	
MW-22	09/15/03	138.65	147.40	-8.75	
	09/15/03	138.65	148.23	-9.58	
	09/19/03	138.65	147.65	-9.00	
	09/23/03	138.65	147.77	-9.12	
	09/25/03	138.65	147.92	-9.27	
	10/08/03	138.65	148.08	-9.43	
	10/14/03	138.65	148.24	-9.59	
	12/02/03	138.65	136.80	1.85	
	12/03/03	138.65	136.56	2.09	
	12/15/03	138.65	134.47	4.18	
	03/29/04	138.65	123.84	14.81	
	04/29/04	138.65	124.38	14.27	
	06/14/04	138.65	130.80	7.85	
	09/20/04	138.65	141.03	-2.38	
	10/19/04	138.65	140.81	-2.16	
	11/10/04	138.65	138.43	0.22	
	12/06/04	138.65	134.38	4.27	
	03/14/05	138.65	121.17	17.48	
	06/20/05	138.65	127.33	11.32	
	07/13/05	138.65	124.37	14.28	
	09/19/05	138.65	133.55	5.10	
	09/21/05	138.65	133.66	4.99	
	12/17/05	138.65	112.37	26.28	
	03/20/06	138.65	109.01	29.64	
	06/19/06	138.65	104.82	33.83	
	09/25/06	138.65	112.02	26.63	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-22	12/12/06	138.65	108.93	29.72	
(Cont'd)	03/12/07	138.65	113.44	25.21	
	06/18/07	138.65	125.49	13.16	
	09/24/07	138.65	145.19	-6.54	
	12/10/07	138.65	150.68	-12.03	
	12/20/07	138.65	150.54	-11.89	
	01/21/08	138.65	148.35	-9.70	
	03/17/08	138.65	145.11	-6.46	
	04/21/08	138.65	145.53	-6.88	
	05/27/08	138.65	148.00	-9.35	
	06/23/08	138.65	150.29	-11.64	
	09/22/08	138.65	158.69	-20.04	
	12/15/08	138.65	158.75	-20.10	
	03/16/09	138.65	147.07	-8.42	
	06/22/09	138.65	147.84	-9.19	
	08/31/09	138.65	152.10	-13.45	
	12/07/09	138.65	145.84	-7.19	
	03/01/10	138.65	141.12	-2.47	
	03/02/10	138.65	140.97	-2.32	
	06/07/10	138.65	134.83	3.82	
	09/07/10	138.65	141.49	-2.84	
	12/06/10	138.65	139.63	-0.98	
	03/25/11	138.65	124.60	14.05	
	06/20/11	138.65	121.60	17.05	
	08/01/11	138.65	123.01	15.64	
	10/31/11	138.65	120.38	18.27	
	02/06/12	138.65	113.56	25.09	
	05/07/12	138.65	107.13	31.52	
	08/06/12	138.65	119.55	19.10	
	11/05/12	138.65	126.01	12.64	
	02/04/13	138.65	118.83	19.82	
	05/13/13	138.65	119.39	19.26	
	08/12/13	138.65	135.75	2.90	
	11/11/13	138.65	137.31	1.34	
	02/03/14	138.65	128.85	9.80	
	05/19/14	138.65	138.75	-0.10	
	08/18/14	138.65	150.82	-12.17	
	11/04/14	138.65	152.76	-14.11	
	02/02/15	138.65	136.45	2.20	
	05/11/15	138.65	136.33	2.32	
	08/10/15	138.65	143.45	-4.80	
	11/02/15	138.65	141.78	-3.13	
	02/01/16	138.65	133.67	4.98	
	05/02/16	138.65	137.70	0.95	
	08/01/16	138.65	144.28	-5.63	
	11/07/16	138.65	144.84	-6.19	
	02/06/17	138.65	129.85	8.80	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-22	05/15/17	138.65	127.92	10.73	
(Cont'd)	08/07/17	138.65	134.26	4.39	
	11/06/17	138.65	114.81	23.84	
	02/26/18	138.65	110.33	28.32	
	05/07/18	138.65	115.45	23.20	
	08/20/18	138.65	126.52	12.13	
	11/06/18	138.65	129.33	9.32	
	02/11/19	138.65	119.65	19.00	
	05/14/19	138.65	117.72	20.93	
	08/12/19	138.65	124.05	14.60	
	11/18/19	138.65	127.90	10.75	
	02/03/20	138.65	119.16	19.49	
	05/26/20	138.65	114.55	24.10	
	08/03/20	138.65	119.06	19.59	
	11/02/20	138.65	122.01	16.64	
	02/16/21	138.65	116.02	22.63	
MW-23	09/15/03	137.16	147.30	-10.14	
	09/19/03	137.33	147.75	-10.42	
	09/23/03	137.33	147.75	-10.42	
	09/25/03	137.33	147.87	-10.54	
	10/08/03	137.33	148.09	-10.76	
	10/14/03	137.33	148.21	-10.88	
	12/02/03	137.33	136.17	1.16	
	12/15/03	137.33	133.83	3.50	
	03/29/04	137.33	123.30	14.03	
	04/29/04	137.33	123.77	13.56	
	06/14/04	137.33	130.20	7.13	
	09/20/04	137.33	140.19	-2.86	
	10/19/04	137.33	UTM	--	
	11/10/04	137.33	137.76	-0.43	
	12/06/04	137.33	133.56	3.77	
	03/14/05	137.33	120.52	16.81	
	06/20/05	137.33	127.18	10.15	
	07/13/05	137.33	123.89	13.44	
	09/19/05	137.33	133.50	3.83	
	09/21/05	137.33	133.67	3.66	
	12/17/05	137.33	111.74	25.59	
	12/19/05	137.33	111.45	25.88	
	03/20/06	137.33	108.90	28.43	
	05/18/06	137.33	101.55	35.78	
	06/19/06	137.33	104.32	33.01	
	09/25/06	137.33	111.42	25.91	
	12/12/06	137.33	108.30	29.03	
	03/12/07	137.33	113.48	23.85	
	06/18/07	137.33	125.48	11.85	
	09/24/07	137.33	144.94	-7.61	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-23	12/10/07	137.33	150.40	-13.07	
(Cont'd)	12/20/07	137.33	150.23	-12.90	
	03/17/08	137.33	145.00	-7.67	
	04/21/08	137.33	145.50	-8.17	
	06/23/08	137.33	150.33	-13.00	
	08/26/08	137.33	166.71	-29.38	
	09/22/08	137.33	158.58	-21.25	
	12/15/08	137.33	158.48	-21.15	
	03/16/09	137.33	146.43	-9.10	
	06/23/09	137.33	147.50	-10.17	
	08/31/09	137.33	151.58	-14.25	
	10/23/09	137.33	148.44	-11.11	
	10/30/09	137.33	147.82	-10.49	
	11/04/09	137.33	147.40	-10.07	
	12/07/09	137.33	145.18	-7.85	
	03/01/10	137.33	140.52	-3.19	
	03/02/10	137.33	140.20	-2.87	
	06/07/10	137.33	134.30	3.03	
	09/07/10	137.33	140.90	-3.57	
	12/06/10	137.33	139.15	-1.82	
	03/15/11	137.33	123.40	13.93	
	03/24/11	137.33	124.57	12.76	
	06/20/11	137.33	121.15	16.18	
	08/01/11	137.33	122.97	14.36	
	08/05/11	137.33	123.90	13.43	
	10/31/11	137.33	120.60	16.73	
	01/13/12	137.33	114.41	22.92	
	01/26/12	137.33	113.42	23.91	
	02/06/12	137.33	113.49	23.84	
	05/07/12	137.33	106.79	30.54	
	06/08/12	137.33	112.15	25.18	
	06/26/12	137.33	111.39	25.94	
	08/06/12	137.33	119.31	18.02	
	11/05/12	137.33	125.95	11.38	
	02/04/13	137.33	118.72	18.61	
	05/13/13	137.33	119.47	17.86	
	08/12/13	137.33	135.83	1.50	
	09/18/13	137.33	140.36	-3.03	
	11/11/13	137.33	136.76	0.57	
	02/03/14	137.33	128.32	9.01	
	05/19/14	137.33	138.79	-1.46	
	08/18/14	137.33	150.88	-13.55	
	11/04/14	137.33	152.51	-15.18	
	02/02/15	137.33	135.90	1.43	
	05/11/15	137.33	136.04	1.29	
	08/10/15	137.33	143.28	-5.95	
	11/02/15	137.33	141.25	-3.92	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-23 (Cont'd)	02/01/16	137.33	133.10	4.23	
	05/02/16	137.33	138.15	-0.82	
	08/01/16	137.33	144.41	-7.08	
	11/07/16	137.33	144.88	-7.55	
	02/06/17	137.33	129.45	7.88	
	05/15/17	137.33	128.05	9.28	
	08/07/17	137.33	134.55	2.78	
	11/06/17	137.33	114.49	22.84	
	02/26/18	137.33	110.54	26.79	
	05/07/18	137.33	115.67	21.66	
	08/20/18	137.33	126.68	10.65	
	11/06/18	137.33	129.36	7.97	
	02/11/19	137.33	119.25	18.08	
	05/14/19	137.33	117.83	19.50	
	08/12/19	137.33	124.19	13.14	
	11/18/19	137.33	128.36	8.97	
	02/03/20	137.33	119.06	18.27	
	05/26/20	137.33	114.66	22.67	
	08/03/20	137.33	119.35	17.98	
	11/02/20	137.33	121.74	15.59	
	02/16/21	137.33	115.53	21.80	
MW-24	09/23/04	142.83	139.35	3.48	
	10/19/04	142.83	141.09	1.74	
	11/10/04	142.83	140.60	2.23	
	12/06/04	142.83	139.34	3.49	
	03/14/05	142.83	129.12	13.71	
	06/20/05	142.83	124.62	18.21	
	07/13/05	142.83	124.60	18.23	
	09/19/05	142.83	127.51	15.32	
	09/21/05	142.83	127.00	15.83	
	12/17/05	142.83	118.37	24.46	
	12/19/05	142.83	118.32	24.51	
	03/20/06	142.83	109.25	33.58	
	06/19/06	142.83	107.30	35.53	
	09/25/06	142.83	115.04	27.79	
	10/05/06	142.83	115.35	27.48	
	12/11/06	142.83	113.61	29.22	
	03/12/07	142.83	111.60	31.23	
	06/18/07	142.83	118.08	24.75	
	09/24/07	142.83	135.15	7.68	
	12/10/07	142.83	143.56	-0.73	
	03/17/08	142.83	143.70	-0.87	
	06/23/08	142.83	145.17	-2.34	
	07/11/08	142.83	146.50	-3.67	
	07/14/08	142.83	146.72	-3.89	
	07/15/08	142.83	146.84	-4.01	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-24	09/22/08	142.83	151.29	-8.46	
(Cont'd)	10/22/08	142.83	152.72	-9.89	
	12/15/08	142.83	154.29	-11.46	
	12/19/08	142.83	154.81	-11.98	
	02/25/09	142.83	153.94	-11.11	
	03/16/09	142.83	152.94	-10.11	
	03/18/09	142.83	152.55	-9.72	
	05/27/09	142.83	150.38	-7.55	
	06/22/09	142.83	150.37	-7.54	
	06/26/09	142.83	150.42	-7.59	
	08/31/09	142.83	152.31	-9.48	
	09/10/09	142.83	152.59	-9.76	
	12/07/09	142.83	152.04	-9.21	
	02/10/10	142.83	149.58	-6.75	
	02/12/10	142.83	149.53	-6.70	
	03/01/10	142.83	148.54	-5.71	
	03/03/10	142.83	148.32	-5.49	
	06/07/10	142.83	142.20	0.63	
	09/07/10	142.83	143.41	-0.58	
	12/06/10	142.83	142.45	0.38	
	03/24/11	142.83	132.13	10.70	
	06/20/11	142.83	127.36	15.47	
	08/01/11	142.83	124.12	18.71	
	08/05/11	142.83	123.84	18.99	
	10/31/11	142.83	117.61	25.22	
	02/06/12	142.83	112.65	30.18	
	05/07/12	142.83	110.05	32.78	
	06/26/12	142.83	111.97	30.86	
	08/06/12	142.83	115.85	26.98	
	11/05/12	142.83	123.08	19.75	
	12/10/12	142.83	122.41	20.42	
	02/04/13	142.83	119.55	23.28	
	05/13/13	142.83	116.68	26.15	
	08/12/13	142.83	128.32	14.51	
	09/18/13	142.83	132.62	10.21	
	11/11/13	142.83	136.09	6.74	
	02/03/14	142.83	134.50	8.33	
	05/19/14	142.83	136.72	6.11	
	08/18/14	142.83	144.45	-1.62	
	11/04/14	142.83	149.10	-6.27	
	02/02/15	142.83	144.46	-1.63	
	05/11/15	142.83	139.86	2.97	
	08/10/15	142.83	140.92	1.91	
	11/02/15	142.83	142.56	0.27	
	02/01/16	142.83	139.57	3.26	
	05/02/16	142.83	137.30	5.53	
	08/01/16	142.83	139.10	3.73	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-24	11/07/16	142.83	142.40	0.43	
(Cont'd)	02/06/17	142.83	137.95	4.88	
	05/15/17	142.83	130.55	12.28	
	08/07/17	142.83	131.00	11.83	
	11/06/17	142.83	119.80	23.03	
	02/26/18	142.83	109.84	32.99	
	05/07/18	142.83	112.53	30.30	
	08/20/18	142.83	118.02	24.81	
	11/06/18	142.83	122.04	20.79	
	02/11/19	142.83	119.46	23.37	
	05/14/19	142.83	115.89	26.94	
	08/12/19	142.83	119.38	23.45	
	11/18/19	142.83	125.52	17.31	
	02/03/20	142.83	120.02	22.81	
	05/26/20	142.83	112.00	30.83	
	08/03/20	142.83	111.76	31.07	
	11/02/20	142.83	117.41	25.42	
	02/16/21	142.83	117.11	25.72	
MW-25	09/20/04	142.64	152.87	-10.23	
	10/19/04	142.64	145.96	-3.32	
	11/10/04	142.64	143.60	-0.96	
	12/06/04	142.64	140.84	1.80	
	03/14/05	142.64	129.79	12.85	
	06/20/05	142.64	125.06	17.58	
	07/13/05	142.64	122.98	19.66	
	09/19/05	142.64	126.64	16.00	
	09/21/05	142.64	127.57	15.07	
	12/17/05	142.64	115.32	27.32	
	12/19/05	142.64	114.25	28.39	
	03/20/06	142.64	107.47	35.17	
	06/19/06	142.64	106.28	36.36	
	09/25/06	142.64	114.63	28.01	
	10/05/06	142.64	117.63	25.01	
	12/12/06	142.64	113.90	28.74	
	03/12/07	142.64	111.03	31.61	
	06/18/07	142.64	118.13	24.51	
	09/24/07	142.64	137.17	5.47	
	12/10/07	142.64	148.21	-5.57	
	12/20/07	142.64	151.34	-8.70	
	03/17/08	142.64	146.31	-3.67	
	06/23/08	142.64	147.94	-5.30	
	09/22/08	142.64	157.18	-14.54	
	10/22/08	142.64	158.43	-15.79	
	12/15/08	142.64	158.84	-16.20	
	12/19/08	142.64	158.79	-16.15	
	02/25/09	142.64	155.58	-12.94	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-25	03/16/09	142.64	153.43	-10.79	
(Cont'd)	03/18/09	142.64	154.82	-12.18	
	05/27/09	142.64	150.45	-7.81	
	06/22/09	142.64	150.68	-8.04	
	06/26/09	142.64	151.00	-8.36	
	08/31/09	142.64	154.61	-11.97	
	09/10/09	142.64	154.66	-12.02	
	12/07/09	142.64	153.57	-10.93	
	03/01/10	142.64	146.59	-3.95	
	06/07/10	142.64	140.30	2.34	
	09/07/10	142.64	144.61	-1.97	
	12/06/10	142.64	141.89	0.75	
	03/24/11	142.64	125.44	17.20	
	06/20/11	142.64	125.12	17.52	
	08/01/11	142.64	120.05	22.59	
	10/31/11	142.64	113.28	29.36	
	02/06/12	142.64	109.05	33.59	
	05/07/12	142.64	107.92	34.72	
	08/06/12	142.64	140.61	2.03	
	11/05/12	142.64	122.83	19.81	
	02/04/13	142.64	120.54	22.10	
	05/13/13	142.64	118.04	24.60	
	08/12/13	142.64	130.68	11.96	
	11/11/13	142.64	140.56	2.08	
	02/03/14	142.64	136.95	5.69	
	05/19/14	142.64	139.46	3.18	
	08/18/14	142.64	149.70	-7.06	
	11/04/14	142.64	154.67	-12.03	
	02/02/15	142.64	143.28	-0.64	
	05/11/15	142.64	138.82	3.82	
	08/10/15	142.64	142.09	0.55	
	11/02/15	142.64	144.77	-2.13	
	02/01/16	142.64	139.49	3.15	
	05/02/16	142.64	137.12	5.52	
	08/01/16	142.64	140.58	2.06	
	11/07/16	142.64	145.72	-3.08	
	02/06/17	142.64	136.69	5.95	
	05/15/17	142.64	128.40	14.24	
	08/07/17	142.64	131.00	11.64	
	11/06/17	142.64	114.55	28.09	
	02/26/18	142.64	108.85	33.79	
	05/07/18	142.64	112.12	30.52	
	08/20/18	142.64	118.63	24.01	
	11/06/18	142.64	123.62	19.02	
	02/11/19	142.64	121.57	21.07	
	05/14/19	142.64	116.45	26.19	
	08/12/19	142.64	119.87	22.77	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-25	11/18/19	142.64	125.03	17.61	
(Cont'd)	02/03/20	142.64	119.12	23.52	
	05/26/20	142.64	112.60	30.04	
	08/03/20	142.64	112.48	30.16	
	11/02/20	142.64	117.22	25.42	
	02/16/21	142.64	119.38	23.26	
MW-26A	10/19/04	137.30	135.45	1.85	
	11/10/04	137.30	135.59	1.71	
	12/06/04	137.30	135.06	2.24	
	03/14/05	137.30	127.74	9.56	
	06/20/05	137.30	125.41	11.89	
	07/13/05	137.30	125.00	12.30	
	09/19/05	137.30	127.22	10.08	
	09/21/05	137.30	127.31	9.99	
	12/17/05	137.30	121.44	15.86	
	12/19/05	137.30	121.35	15.95	
	02/24/06	137.30	113.15	24.15	
	03/20/06	137.30	112.18	25.12	
	05/18/06	137.30	107.48	29.82	
	06/19/06	137.30	106.50	30.80	
	09/25/06	137.30	108.81	28.49	
	12/12/06	137.30	108.94	28.36	
	03/12/07	137.30	110.51	26.79	
	06/18/07	137.30	115.63	21.67	
	09/24/07	137.30	129.55	7.75	
	12/10/07	137.30	138.57	-1.27	
	12/20/07	137.30	139.55	-2.25	
	12/20/07	137.30	139.52	-2.22	
	01/21/08	137.30	141.21	-3.91	
	03/17/08	137.30	142.09	-4.79	
	04/21/08	137.30	142.34	-5.04	
	05/27/08	137.04	142.91	-5.87	
	06/23/08	137.04	144.94	-7.90	
	08/26/08	137.04	147.75	-10.71	
	09/22/08	137.04	149.54	-12.50	
	12/15/08	137.04	153.18	-16.14	
	03/16/09	137.04	151.38	-14.34	
	06/22/09	137.04	147.67	-10.63	
	08/31/09	137.04	150.21	-13.17	
	10/13/09	137.04	150.44	-13.40	
	10/30/09	137.04	149.92	-12.88	
	12/07/09	137.04	148.20	-11.16	
	03/01/10	137.04	145.68	-8.64	
	03/02/10	137.04	145.53	-8.49	
	03/22/10	137.04	144.06	-7.02	
	06/07/10	137.04	139.28	-2.24	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-26A	09/07/10	137.04	139.18	-2.14	
(Cont'd)	12/06/10	137.04	140.17	-3.13	
	03/24/11	137.04	130.88	6.16	
	06/20/11	137.04	126.68	10.36	
	08/01/11	137.04	125.09	11.95	
	10/31/11	137.04	122.65	14.39	
	02/06/12	137.04	117.96	19.08	
	05/07/12	137.04	112.82	24.22	
	08/06/12	137.04	114.42	22.62	
	11/05/12	137.04	120.59	16.45	
	02/04/13	137.04	119.79	17.25	
	05/13/13	137.04	117.02	20.02	
	08/12/13	137.04	125.12	11.92	
	11/11/13	137.04	133.05	3.99	
	02/03/14	137.04	130.15	6.89	
	05/19/14	137.04	131.02	6.02	
	08/18/14	137.04	139.88	-2.84	
	11/04/14	137.04	145.58	-8.54	
	02/02/15	137.04	141.81	-4.77	
	05/11/15	137.04	136.24	0.80	
	08/10/15	137.04	138.91	-1.87	
	11/02/15	137.04	141.10	-4.06	
	02/01/16	137.04	137.83	-0.79	
	05/02/16	137.04	136.06	0.98	
	08/01/16	137.04	139.86	-2.82	
	11/07/16	137.04	142.78	-5.74	
	02/06/17	137.04	136.55	0.49	
	05/15/17	137.04	129.94	7.10	
	08/07/17	137.04	132.07	4.97	
	11/06/17	137.04	126.20	10.84	
	02/26/18	137.04	113.57	23.47	
	05/07/18	137.04	113.88	23.16	
	08/20/18	137.04	119.51	17.53	
	11/06/18	137.04	123.48	13.56	
	02/11/19	137.04	122.35	14.69	
	05/14/19	137.04	117.65	19.39	
	08/12/19	137.04	119.47	17.57	
	11/18/19	137.04	123.52	13.52	
	02/03/20	137.04	121.41	15.63	
	05/26/20	137.04	116.20	20.84	
	08/03/20	137.04	117.03	20.01	
	11/02/20	137.04	119.94	17.10	
	02/16/21	137.04	117.66	19.38	
MW-26B	10/19/04	137.20	136.23	0.97	
	11/10/04	137.20	136.16	1.04	
	12/06/04	137.20	136.02	1.18	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-26B (Cont'd)	03/14/05	137.20	131.73	5.47	
	06/20/05	137.20	129.29	7.91	
	07/13/05	137.20	129.00	8.20	
	09/19/05	137.20	129.99	7.21	
	09/21/05	137.20	130.07	7.13	
	12/17/05	137.20	126.53	10.67	
	12/19/05	137.20	126.58	10.62	
	02/24/06	137.20	119.78	17.42	
	03/20/06	137.20	118.22	18.98	
	06/19/06	137.20	110.17	27.03	
	09/25/06	137.20	110.84	26.36	
	10/05/06	137.20	111.20	26.00	
	12/12/06	137.20	111.31	25.89	
	03/12/07	137.20	113.61	23.59	
	06/18/07	137.20	117.50	19.70	
	09/24/07	137.20	127.68	9.52	
	12/10/07	137.20	135.82	1.38	
	12/20/07	137.20	136.85	0.35	
	12/20/07	137.20	136.78	0.42	
	01/21/08	137.20	139.21	-2.01	
	03/17/08	137.20	142.10	-4.90	
	05/27/08	137.05	144.96	-7.91	
	06/23/08	137.05	146.29	-9.24	
	08/26/08	137.05	150.28	-13.23	
	09/22/08	137.05	151.94	-14.89	
	12/15/08	137.05	155.64	-18.59	
	12/19/08	137.05	156.13	-19.08	
	03/16/09	137.05	155.53	-18.48	
	03/18/09	137.05	155.16	-18.11	
	06/22/09	137.05	152.80	-15.75	
	08/31/09	137.05	154.60	-17.55	
	09/10/09	137.05	154.60	-17.55	
	10/13/09	137.05	154.75	-17.70	
	10/14/09	137.05	154.80	-17.75	
	10/30/09	137.05	154.41	-17.36	
	12/07/09	137.05	153.17	-16.12	
	02/10/10	137.05	151.63	-14.58	
	03/01/10	137.05	151.04	-13.99	
	03/02/10	137.05	150.90	-13.85	
	05/07/10	137.05	145.37	-8.32	
	06/07/10	137.05	146.22	-9.17	
	09/07/10	137.05	144.57	-7.52	
	12/06/10	137.05	144.78	-7.73	
	03/24/11	137.05	138.67	-1.62	
	06/20/11	137.05	134.45	2.60	
	08/01/11	137.05	132.83	4.22	
	08/05/11	137.05	132.55	4.50	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-26B (Cont'd)	10/31/11	137.05	129.89	7.16	
	02/06/12	137.05	125.63	11.42	
	05/07/12	137.05	120.17	16.88	
	08/06/12	137.05	118.61	18.44	
	11/05/12	137.05	122.68	14.37	
	02/04/13	137.05	123.42	13.63	
	05/13/13	137.05	121.73	15.32	
	08/12/13	137.05	126.75	10.30	
	11/11/13	137.05	133.00	4.05	
	02/03/14	137.05	133.00	4.05	
	05/19/14	137.05	133.93	3.12	
	08/18/14	137.05	139.80	-2.75	
	11/04/14	137.05	145.01	-7.96	
	02/02/15	137.05	144.52	-7.47	
	05/11/15	137.05	141.11	-4.06	
	08/10/15	137.05	142.91	-5.86	
	11/02/15	137.05	143.49	-6.44	
	02/01/16	137.05	140.75	-3.70	
	05/02/16	137.05	140.25	-3.20	
	08/01/16	137.05	142.03	-4.98	
	11/07/16	137.05	144.57	-7.52	
	02/06/17	137.05	142.89	-5.84	
	05/15/17	137.05	136.91	0.14	
	08/07/17	137.05	138.38	-1.33	
	11/06/17	137.05	132.05	5.00	
	02/26/18	137.05	120.25	16.80	
	05/07/18	137.05	117.37	19.68	
	08/20/18	137.05	118.95	18.10	
	11/06/18	137.05	121.44	15.61	
	02/11/19	137.05	122.14	14.91	
	05/14/19	137.05	119.43	17.62	
	08/12/19	137.05	119.84	17.21	
	11/18/19	137.05	122.50	14.55	
	02/03/20	137.05	121.13	15.92	
	05/26/20	137.05	118.71	18.34	
	08/03/20	137.05	117.71	19.34	
	11/02/20	137.05	119.76	17.29	
	02/16/21	137.05	119.91	17.14	
MW-26C	10/19/04	137.28	141.81	-4.53	
	11/10/04	137.28	139.83	-2.55	
	12/06/04	137.28	135.90	1.38	
	03/14/05	137.28	121.75	15.53	
	06/20/05	137.28	128.11	9.17	
	07/13/05	137.28	125.75	11.53	
	09/19/05	137.28	137.35	-0.07	
	09/21/05	137.28	137.45	-0.17	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-26C (Cont'd)	12/17/05	137.28	112.48	24.80	
	12/19/05	137.28	112.30	24.98	
	03/20/06	137.28	109.21	28.07	
	06/19/06	137.28	104.32	32.96	
	09/25/06	137.28	113.96	23.32	
	10/05/06	137.28	114.08	23.20	
	12/12/06	137.28	111.13	26.15	
	03/12/07	137.28	119.52	17.76	
	06/18/07	137.28	130.71	6.57	
	09/24/07	137.28	153.19	-15.91	
	12/10/07	137.28	160.43	-23.15	
	12/20/07	137.28	160.88	-23.60	
	01/21/08	137.28	157.99	-20.71	
	02/21/08	137.28	155.52	-18.24	
	03/17/08	137.28	154.73	-17.45	
	04/21/08	137.28	155.21	-17.93	
	05/27/08	137.06	158.25	-21.19	
	06/10/08	137.06	159.70	-22.64	
	06/23/08	137.06	161.15	-24.09	
	07/16/08	137.06	164.52	-27.46	
	08/26/08	137.06	169.10	-32.04	
	09/22/08	137.06	170.89	-33.83	
	10/22/08	137.06	171.58	-34.52	
	12/15/08	137.06	169.04	-31.98	
	12/19/08	137.06	169.36	-32.30	
	01/07/09	137.06	163.22	-26.16	
	03/16/09	137.06	153.10	-16.04	
	03/18/09	137.06	152.44	-15.38	
	04/29/09	137.06	148.57	-11.51	
	06/22/09	137.06	152.47	-15.41	
	06/26/09	137.06	155.40	-18.34	
	08/31/09	137.06	158.68	-21.62	
	09/10/09	137.06	161.04	-23.98	
	10/13/09	137.06	156.48	-19.42	
	10/14/09	137.06	156.42	-19.36	
	10/23/09	137.06	154.73	-17.67	
	10/30/09	137.06	154.12	-17.06	
	11/04/09	137.06	153.77	-16.71	
	12/07/09	137.06	150.92	-13.86	
	01/19/10	137.06	149.68	-12.62	
	02/10/10	137.06	145.81	-8.75	
	02/12/10	137.06	145.52	-8.46	
	03/01/10	137.06	143.18	-6.12	
	03/02/10	137.06	143.02	-5.96	
	06/07/10	137.06	140.37	-3.31	
	07/30/10	137.06	144.04	-6.98	
	09/07/10	137.22	147.97	-10.75	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-26C (Cont'd)	12/06/10	137.22	145.78	-8.56	
	03/01/11	137.22	128.33	8.89	
	03/24/11	137.22	130.31	6.91	
	03/25/11	137.22	129.76	7.46	
	06/20/11	137.22	125.03	12.19	
	06/23/11	137.22	125.92	11.30	
	08/01/11	137.22	127.39	9.83	
	08/05/11	137.22	127.92	9.30	
	10/31/11	137.22	125.34	11.88	
	11/01/11	137.22	125.37	11.85	
	02/06/12	137.22	117.23	19.99	
	03/09/12	137.22	115.08	22.14	
	05/07/12	137.22	110.60	26.62	
	05/09/12	137.22	110.74	26.48	
	08/06/12	137.22	124.94	12.28	
	11/05/12	137.22	134.41	2.81	
	02/04/13	137.22	126.26	10.96	
	05/13/13	137.22	126.58	10.64	
	08/12/13	137.22	145.20	-7.98	
	09/18/13	137.22	150.32	-13.10	
	11/11/13	137.22	145.09	-7.87	
	02/03/14	137.22	137.00	0.22	
	05/19/14	137.22	144.05	-6.83	
	08/18/14	137.22	157.33	-20.11	
	11/06/14	137.22	160.01	-22.79	
	02/02/15	137.22	142.08	-4.86	
	05/11/15	137.22	140.94	-3.72	
	08/10/15	137.22	148.41	-11.19	
	11/02/15	137.22	147.19	-9.97	
	02/01/16	137.22	139.00	-1.78	
	05/02/16	137.22	142.49	-5.27	
	08/01/16	137.22	148.45	-11.23	
	11/07/16	137.22	150.54	-13.32	
	02/06/17	137.22	133.66	3.56	
	05/15/17	137.22	130.23	6.99	
	08/07/17	137.22	137.19	0.03	
	11/06/17	137.22	114.02	23.20	
	02/26/18	137.22	110.90	26.32	
	05/07/18	137.22	112.96	24.26	
	08/20/18	137.22	121.06	16.16	
	11/06/18	137.22	124.60	12.62	
	02/11/19	137.22	117.85	19.37	
	05/14/19	137.22	115.82	21.40	
	08/12/19	137.22	122.34	14.88	
	11/18/19	137.22	127.11	10.11	
	02/03/20	137.22	120.03	17.19	
	05/26/20	137.22	112.31	24.91	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-26C (Cont'd)	08/03/20	137.22	114.30	22.92	
	11/02/20	137.22	122.96	14.26	
	02/16/21	137.22	119.80	17.42	
MW-27	05/27/08	137.16	157.80	-20.64	
	06/10/08	137.16	159.22	-22.06	
	06/23/08	137.16	160.75	-23.59	
	07/16/08	137.16	164.03	-26.87	
	08/26/08	137.16	168.65	-31.49	
	09/22/08	137.16	170.52	-33.36	
	10/22/08	137.16	171.19	-34.03	
	12/15/08	137.16	168.92	-31.76	
	12/19/08	137.16	169.05	-31.89	
	01/07/09	137.16	163.06	-25.90	
	03/16/09	137.16	153.24	-16.08	
	03/18/09	137.16	152.49	-15.33	
	04/29/09	137.16	148.59	-11.43	
	06/22/09	137.16	152.42	-15.26	
	06/24/09	137.16	154.08	-16.92	
	08/31/09	137.16	158.65	-21.49	
	09/10/09	137.16	160.81	-23.65	
	10/13/09	137.16	156.43	-19.27	
	10/14/09	137.16	156.35	-19.19	
	10/23/09	137.16	154.73	-17.57	
	10/30/09	137.16	154.10	-16.94	
	11/04/09	137.16	153.77	-16.61	
	12/07/09	137.16	150.98	-13.82	
	01/19/10	137.16	149.60	-12.44	
	03/01/10	137.16	143.25	-6.09	
	03/02/10	137.16	143.05	-5.89	
	06/07/10	137.16	139.74	-2.58	
	07/30/10	137.16	143.73	-6.57	
	09/07/10	137.16	147.75	-10.59	
	12/06/10	137.16	145.39	-8.23	
	03/01/11	137.16	127.65	9.51	
	03/24/11	137.16	129.57	7.59	
	06/20/11	137.16	124.36	12.80	
	08/01/11	137.16	126.64	10.52	
	08/05/11	137.16	127.08	10.08	
	10/31/11	137.16	124.43	12.73	
	05/07/12	137.16	110.03	27.13	
	08/06/12	137.16	124.18	12.98	
	11/05/12	137.16	134.75	2.41	
	02/04/13	137.16	125.54	11.62	
	05/13/13	137.16	125.99	11.17	
	07/18/13	137.16	139.72	-2.56	
	07/19/13	137.16	139.21	-2.05	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-27	08/12/13	137.16	144.52	-7.36	
(Cont'd)	11/11/13	137.16	144.52	-7.36	
	02/03/14	137.16	136.72	0.44	
	05/19/14	137.16	143.71	-6.55	
	08/18/14	137.16	157.02	-19.86	
	11/04/14	137.16	159.09	-21.93	
	02/02/15	137.16	141.44	-4.28	
	05/11/15	137.16	140.17	-3.01	
	08/10/15	137.16	148.66	-11.50	
	11/02/15	137.16	146.73	-9.57	
	02/01/16	137.16	138.50	-1.34	
	05/02/16	137.16	141.80	-4.64	
	08/01/16	137.16	147.71	-10.55	
	11/07/16	137.16	149.93	-12.77	
	02/06/17	137.16	133.13	4.03	
	05/15/17	137.16	129.91	7.25	
	08/07/17	137.16	136.40	0.76	
	11/06/17	137.16	113.41	23.75	
	02/26/18	137.16	110.37	26.79	
	05/07/18	137.16	112.49	24.67	
	08/20/18	137.16	120.61	16.55	
	11/06/18	137.16	124.26	12.90	
	02/11/19	137.16	117.39	19.77	
	05/14/19	137.16	115.33	21.83	
	08/12/19	137.16	121.91	15.25	
	11/18/19	137.16	126.64	10.52	
	02/03/20	137.16	119.56	17.60	
	05/26/20	137.16	111.83	25.33	
	08/03/20	137.16	113.89	23.27	
	11/02/20	137.16	122.49	14.67	
	02/16/21	137.16	119.34	17.82	
MW-28	05/16/08	140.77	160.41	-19.64	
	05/27/08	140.77	161.69	-20.92	
	06/10/08	140.77	163.08	-22.31	
	06/23/08	140.77	164.55	-23.78	
	07/16/08	140.77	167.88	-27.11	
	08/26/08	140.77	174.46	-33.69	
	09/22/08	140.77	174.45	-33.68	
	10/22/08	140.77	175.11	-34.34	
	12/15/08	140.77	172.87	-32.10	
	12/19/08	140.77	172.97	-32.20	
	01/07/09	140.77	166.82	-26.05	
	03/16/09	140.77	157.25	-16.48	
	03/18/09	140.77	156.45	-15.68	
	04/29/09	140.77	152.49	-11.72	
	06/22/09	140.77	156.45	-15.68	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-28	06/24/09	140.77	157.74	-16.97	
(Cont'd)	08/31/09	140.77	162.68	-21.91	
	09/10/09	140.77	164.54	-23.77	
	10/13/09	140.77	160.35	-19.58	
	10/14/09	140.77	160.32	-19.55	
	10/23/09	140.77	158.57	-17.80	
	10/30/09	140.77	158.02	-17.25	
	11/04/09	140.77	157.61	-16.84	
	12/07/09	140.77	154.74	-13.97	
	01/19/10	140.77	153.63	-12.86	
	03/01/10	140.77	147.29	-6.52	
	03/04/10	140.77	146.78	-6.01	
	03/04/10	140.77	146.80	-6.03	
	06/07/10	140.77	143.98	-3.21	
	07/30/10	140.77	147.43	-6.66	
	09/07/10	140.77	151.67	-10.90	
	12/06/10	140.77	149.96	-9.19	
	03/01/11	140.77	132.48	8.29	
	03/24/11	140.77	133.95	6.82	
	06/20/11	140.77	129.10	11.67	
	08/01/11	140.77	131.02	9.75	
	08/05/11	140.77	131.37	9.40	
	10/31/11	140.77	129.07	11.70	
	02/06/12	140.77	120.98	19.79	
	05/07/12	140.77	114.45	26.32	
	08/06/12	140.77	128.07	12.70	
	11/05/12	140.77	138.26	2.51	
	02/04/13	140.77	130.17	10.60	
	05/13/13	140.77	129.64	11.13	
	08/12/13	140.77	148.39	-7.62	
	11/11/13	140.77	149.28	-8.51	
	02/03/14	140.77	140.85	-0.08	
	05/19/14	140.77	147.00	-6.23	
	08/18/14	140.77	160.73	-19.96	
	11/04/14	140.77	163.51	-22.74	
	02/02/15	140.77	146.56	-5.79	
	05/11/15	140.77	144.46	-3.69	
	08/10/15	140.77	152.96	-12.19	
	11/02/15	140.77	151.25	-10.48	
	02/01/16	140.77	143.00	-2.23	
	05/02/16	140.77	146.00	-5.23	
	08/01/16	140.77	152.25	-11.48	
	11/07/16	140.77	154.36	-13.59	
	02/06/17	140.77	138.07	2.70	
	05/15/17	140.77	133.85	6.92	
	08/07/17	140.77	140.99	-0.22	
	11/06/17	140.77	118.60	22.17	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-28	02/26/18	140.77	114.20	26.57	
(Cont'd)	05/07/18	140.77	116.41	24.36	
	08/20/18	140.77	124.70	16.07	
	11/06/18	140.77	128.31	12.46	
	02/11/19	140.77	122.10	18.67	
	05/14/19	140.77	119.64	21.13	
	08/12/19	140.77	125.83	14.94	
	11/18/19	140.77	130.80	9.97	
	02/03/20	140.77	123.90	16.87	
	05/26/20	140.77	116.00	24.77	
	08/03/20	140.77	117.92	22.85	
	11/02/20	140.77	126.67	14.10	
	02/16/21	140.77	123.83	16.94	
MW-29	08/15/08	142.21	174.90	-32.69	
	08/19/08	142.21	174.44	-32.23	
	08/26/08	142.21	175.21	-33.00	
	09/22/08	142.21	177.31	-35.10	
	10/22/08	142.21	178.13	-35.92	
	12/15/08	142.34	176.26	-33.92	
	01/07/09	142.34	170.00	-27.66	
	03/16/09	142.34	160.00	-17.66	
	03/18/09	142.34	159.22	-16.88	
	04/29/09	142.34	154.91	-12.57	
	06/22/09	142.34	158.97	-16.63	
	06/24/09	142.34	159.99	-17.65	
	08/31/09	142.34	165.42	-23.08	
	09/10/09	142.34	167.01	-24.67	
	10/13/09	142.34	162.76	-20.42	
	10/14/09	142.34	162.78	-20.44	
	10/23/09	142.34	161.07	-18.73	
	10/30/09	142.34	160.59	-18.25	
	11/04/09	142.34	160.05	-17.71	
	12/07/09	142.34	156.92	-14.58	
	01/19/10	142.34	156.32	-13.98	
	03/01/10	142.34	149.84	-7.50	
	03/04/10	142.34	149.36	-7.02	
	06/07/10	142.34	146.45	-4.11	
	07/30/10	142.34	149.78	-7.44	
	09/07/10	142.34	154.30	-11.96	
	12/06/10	142.34	153.12	-10.78	
	03/01/11	142.34	135.43	6.91	
	03/24/11	142.34	136.86	5.48	
	03/30/11	142.34	135.81	6.53	
	06/20/11	142.34	131.87	10.47	
	08/01/11	142.34	134.23	8.11	
	08/05/11	142.34	134.61	7.73	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-29	10/31/11	142.34	132.65	9.69	
(Cont'd)	02/06/12	142.34	124.12	18.22	
	05/07/12	142.34	117.12	25.22	
	08/06/12	142.34	130.62	11.72	
	11/05/12	142.34	141.32	1.02	
	02/04/13	142.34	133.48	8.86	
	05/13/13	142.34	132.32	10.02	
	08/12/13	142.34	151.61	-9.27	
	11/11/13	142.34	152.45	-10.11	
	02/03/14	142.34	143.46	-1.12	
	05/19/14	139.81	146.85	-7.04	
	08/18/14	139.81	160.95	-21.14	
	11/03/14	139.81	193.62	-53.81	
	11/04/14	139.81	195.90	-56.09	
	12/18/14	139.81	185.78	-45.97	
	01/19/15	139.81	189.18	-49.37	
	02/02/15	139.81	184.72	-44.91	
	03/06/15	139.81	175.40	-35.59	
	04/02/15	139.81	161.82	-22.01	
	05/11/15	139.81	178.13	-38.32	
	06/05/15	139.81	181.84	-42.03	
	07/14/15	139.81	194.02	-54.21	
	08/10/15	139.81	198.29	-58.48	
	09/03/15	139.81	180.70	-40.89	
	10/06/15	139.81	172.43	-32.62	
	11/02/15	139.81	176.00	-36.19	
	12/03/15	139.81	149.42	-9.61	Pilot GETS
	01/07/16	139.81	179.58	-39.77	Pilot GETS
	02/01/16	139.81	178.67	-38.86	Pilot GETS
	03/03/16	139.81	179.50	-39.69	Pilot GETS
	04/05/16	139.81	177.86	-38.05	Pilot GETS
	05/02/16	139.81	182.82	-43.01	Pilot GETS
	06/01/16	139.81	187.60	-47.79	Pilot GETS
	06/16/16	139.81	190.92	-51.11	Pilot GETS
	07/07/16	139.81	192.24	-52.43	Pilot GETS
	07/21/16	139.81	191.95	-52.14	Pilot GETS
	08/01/16	139.81	193.48	-53.67	Pilot GETS
	08/18/16	139.81	194.13	-54.32	Pilot GETS
	09/08/16	139.81	195.61	-55.80	Pilot GETS
	09/15/16	139.81	196.42	-56.61	Pilot GETS
	10/06/16	139.81	198.76	-58.95	Pilot GETS
	10/20/16	139.81	202.31	-62.50	Pilot GETS
	11/01/16	139.81	201.90	-62.09	Pilot GETS
	11/07/16	139.81	201.70	-61.89	Pilot GETS
	12/01/16	139.81	192.87	-53.06	Pilot GETS
	12/15/16	139.81	192.50	-52.69	Pilot GETS
	01/06/17	139.81	193.28	-53.47	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-29	01/26/17	139.81	186.95	-47.14	Pilot GETS
(Cont'd)	02/06/17	139.81	180.00	-40.19	Pilot GETS
	02/16/17	139.81	184.04	-44.23	Pilot GETS
	03/02/17	139.81	188.91	-49.10	Pilot GETS
	03/16/17	139.81	196.57	-56.76	Pilot GETS
	04/06/17	139.81	174.24	-34.43	Pilot GETS
	04/20/17	139.81	175.76	-35.95	Pilot GETS
	05/17/17	139.81	134.34	5.47	Pilot GETS
	06/15/17	139.81	177.51	-37.70	Pilot GETS
	07/06/17	139.81	176.59	-36.78	Pilot GETS
	07/20/17	139.81	184.21	-44.40	Pilot GETS
	08/03/17	139.81	187.52	-47.71	Pilot GETS
	08/07/17	139.81	183.51	-43.70	Pilot GETS
	08/17/17	139.81	140.54	-0.73	Pilot GETS
	09/01/17	139.81	184.41	-44.60	Pilot GETS
	09/14/17	139.81	185.91	-46.10	Pilot GETS
	10/19/17	139.81	171.52	-31.71	Pilot GETS
	11/06/17	139.81	155.05	-15.24	Pilot GETS
	11/20/17	139.81	150.06	-10.25	Pilot GETS
	12/04/17	139.81	149.62	-9.81	Pilot GETS
	12/14/17	139.81	173.97	-34.16	Pilot GETS
	01/04/18	139.81	148.00	-8.19	Pilot GETS
	01/18/18	139.81	145.15	-5.34	Pilot GETS
	02/15/18	139.81	145.46	-5.65	Pilot GETS
	02/26/18	139.81	147.78	-7.97	Pilot GETS
	05/03/18	139.81	145.68	-5.87	Pilot GETS
	05/07/18	139.81	147.62	-7.81	Pilot GETS
	05/17/18	139.81	150.37	-10.56	Pilot GETS
	06/07/18	139.81	152.53	-12.72	Pilot GETS
	07/05/18	139.81	155.82	-16.01	Pilot GETS
	07/19/18	139.81	157.95	-18.14	Pilot GETS
	08/02/18	139.81	148.57	-8.76	Pilot GETS
	08/16/18	139.81	161.33	-21.52	Pilot GETS
	08/20/18	139.81	161.02	-21.21	Pilot GETS
	09/20/18	139.81	166.90	-27.09	Pilot GETS
	10/05/18	139.81	168.92	-29.11	Pilot GETS
	10/18/18	139.81	127.00	12.81	
	11/01/18	139.81	127.78	12.03	
	11/06/18	139.81	127.88	11.93	
	11/15/18	139.81	180.96	-41.15	Pilot GETS
	12/04/18	139.81	177.44	-37.63	Pilot GETS
	12/19/18	139.81	179.53	-39.72	Pilot GETS
	01/03/19	139.81	187.40	-47.59	Pilot GETS
	01/24/19	139.81	176.92	-37.11	Pilot GETS
	02/07/19	139.81	171.46	-31.65	Pilot GETS
	02/11/19	139.81	121.90	17.91	
	02/21/19	139.81	169.98	-30.17	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-29	03/05/19	139.81	171.84	-32.03	Pilot GETS
(Cont'd)	03/21/19	139.81	174.46	-34.65	Pilot GETS
	04/04/19	139.81	171.17	-31.36	Pilot GETS
	04/18/19	139.81	172.41	-32.60	Pilot GETS
	05/02/19	139.81	173.46	-33.65	Pilot GETS
	05/14/19	139.81	176.10	-36.29	Pilot GETS
	05/16/19	139.81	173.71	-33.90	Pilot GETS
	06/06/19	139.81	176.06	-36.25	Pilot GETS
	06/20/19	139.81	171.20	-31.39	Pilot GETS
	07/03/19	139.81	176.61	-36.80	Pilot GETS
	07/18/19	139.81	176.52	-36.71	Pilot GETS
	08/01/19	139.81	177.58	-37.77	Pilot GETS
	08/12/19	139.81	178.13	-38.32	Pilot GETS
	08/15/19	139.81	176.04	-36.23	Pilot GETS
	09/05/19	139.81	178.91	-39.10	Pilot GETS
	09/19/19	139.81	181.62	-41.81	Pilot GETS
	10/04/19	139.81	176.64	-36.83	Pilot GETS
	10/21/19	139.81	171.49	-31.68	Pilot GETS
	11/06/19	139.81	175.98	-36.17	Pilot GETS
	11/18/19	139.81	174.53	-34.72	Pilot GETS
	11/21/19	139.81	179.41	-39.60	Pilot GETS
	12/02/19	139.81	177.31	-37.50	Pilot GETS
	12/19/19	139.81	179.62	-39.81	Pilot GETS
	01/02/20	139.81	175.05	-35.24	Pilot GETS
	01/16/20	139.81	175.33	-35.52	Pilot GETS
	02/03/20	139.81	176.70	-36.89	Pilot GETS
	02/06/20	139.81	177.14	-37.33	Pilot GETS
	02/20/20	139.81	174.74	-34.93	Pilot GETS
	03/05/20	139.81	175.67	-35.86	Pilot GETS
	03/19/20	139.81	174.54	-34.73	Pilot GETS
	04/02/20	139.81	172.52	-32.71	Pilot GETS
	04/16/20	139.81	169.56	-29.75	Pilot GETS
	05/07/20	139.81	160.15	-20.34	Pilot GETS
	05/21/20	139.81	161.19	-21.38	Pilot GETS
	05/26/20	139.81	162.34	-22.53	Pilot GETS
	06/05/20	139.81	161.03	-21.22	Pilot GETS
	06/18/20	139.81	159.21	-19.40	Pilot GETS
	07/02/20	139.81	157.52	-17.71	Pilot GETS
	07/16/20	139.81	144.82	-5.01	Pilot GETS
	08/03/20	139.81	153.41	-13.60	Pilot GETS
	08/06/20	139.81	153.91	-14.10	Pilot GETS
	08/20/20	139.81	166.66	-26.85	Pilot GETS
	09/03/20	139.81	156.90	-17.09	Pilot GETS
	09/17/20	139.81	159.52	-19.71	Pilot GETS
	10/01/20	139.81	159.92	-20.11	Pilot GETS
	10/15/20	139.81	160.81	-21.00	Pilot GETS
	11/02/20	139.81	186.65	-46.84	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-29	11/05/20	139.81	186.01	-46.20	Pilot GETS
(Cont'd)	11/19/20	139.81	187.19	-47.38	Pilot GETS
	12/03/20	139.81	187.51	-47.70	Pilot GETS
	12/17/20	139.81	187.82	-48.01	Pilot GETS
	01/07/21	139.81	185.11	-45.30	Pilot GETS
	01/21/21	139.81	187.98	-48.17	Pilot GETS
	02/04/21	139.81	184.62	-44.81	Pilot GETS
	02/16/21	139.81	185.30	-45.49	Pilot GETS
	02/18/21	139.81	185.81	-46.00	Pilot GETS
MW-30A	12/04/08	129.44	164.15	-34.71	
	12/05/08	129.44	164.29	-34.85	
	12/15/08	129.44	162.77	-33.33	
	12/19/08	129.44	163.02	-33.58	
	01/07/09	129.44	156.65	-27.21	
	03/16/09	129.44	145.68	-16.24	
	03/18/09	129.44	144.93	-15.49	
	04/29/09	129.44	141.29	-11.85	
	06/22/09	129.44	145.32	-15.88	
	06/24/09	129.44	148.04	-18.60	
	08/31/09	129.44	151.45	-22.01	
	09/10/09	129.44	154.83	-25.39	
	10/13/09	129.44	149.24	-19.80	
	10/14/09	129.44	149.22	-19.78	
	10/23/09	129.44	147.49	-18.05	
	10/30/09	129.44	146.87	-17.43	
	11/04/09	129.44	146.56	-17.12	
	12/07/09	129.44	143.60	-14.16	
	01/19/10	129.44	142.52	-13.08	
	03/01/10	129.44	135.95	-6.51	
	03/03/10	129.44	135.69	-6.25	
	03/03/10	129.44	135.65	-6.21	
	06/07/10	129.44	133.44	-4.00	
	07/30/10	129.44	137.11	-7.67	
	09/07/10	129.44	140.90	-11.46	
	12/06/10	129.44	138.63	-9.19	
	03/01/11	129.44	120.97	8.47	
	03/15/11	129.44	123.10	6.34	
	03/24/11	129.44	123.64	5.80	
	06/20/11	129.44	117.99	11.45	
	08/01/11	129.44	121.07	8.37	
	08/05/11	129.44	121.58	7.86	
	10/31/11	129.44	119.19	10.25	
	02/06/12	129.44	110.70	18.74	
	05/07/12	129.44	103.59	25.85	
	08/06/12	129.44	119.04	10.40	
	11/05/12	129.44	127.77	1.67	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-30A	01/03/13	129.44	119.71	9.73	
(Cont'd)	02/04/13	129.44	119.49	9.95	
	05/13/13	129.44	121.67	7.77	
	08/12/13	129.44	139.38	-9.94	
	11/11/13	129.44	137.74	-8.30	
	02/03/14	129.44	129.96	-0.52	
	05/19/14	129.44	138.05	-8.61	
	08/18/14	129.44	151.26	-21.82	
	11/04/14	129.44	152.83	-23.39	
	02/02/15	129.44	134.73	-5.29	
	05/11/15	129.44	134.33	-4.89	
	08/10/15	129.44	142.97	-13.53	
	11/02/15	129.44	140.42	-10.98	
	02/01/16	129.44	131.93	-2.49	
	05/02/16	129.44	136.35	-6.91	
	08/01/16	129.44	142.20	-12.76	
	11/07/16	129.44	144.10	-14.66	
	02/06/17	129.44	126.51	2.93	
	05/15/17	129.44	124.06	5.38	
	08/07/17	129.44	130.95	-1.51	
	11/06/17	129.44	106.92	22.52	
	02/26/18	129.44	104.88	24.56	
	05/07/18	129.44	106.56	22.88	
	08/20/18	129.44	114.36	15.08	
	11/06/18	129.44	117.70	11.74	
	02/11/19	129.44	110.78	18.66	
	05/14/19	129.44	108.91	20.53	
	08/12/19	129.44	115.56	13.88	
	11/18/19	129.44	120.31	9.13	
	02/03/20	129.44	113.12	16.32	
	05/26/20	129.44	105.56	23.88	
	08/03/20	129.44	107.69	21.75	
	11/02/20	129.44	116.30	13.14	
	02/16/21	129.44	112.72	16.72	
MW-30B	12/04/08	129.39	160.82	-31.43	
	12/05/08	129.39	161.49	-32.10	
	12/15/08	129.39	160.27	-30.88	
	01/07/09	129.39	154.82	-25.43	
	03/16/09	129.39	144.60	-15.21	
	03/18/09	129.39	143.96	-14.57	
	04/29/09	129.39	141.03	-11.64	
	06/22/09	129.39	144.02	-14.63	
	06/24/09	129.39	147.85	-18.46	
	08/31/09	129.39	149.39	-20.00	
	09/10/09	129.39	154.06	-24.67	
	10/13/09	129.39	147.92	-18.53	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-30B	10/14/09	129.39	147.93	-18.54	
(Cont'd)	10/23/09	129.39	146.17	-16.78	
	10/30/09	129.39	145.42	-16.03	
	11/04/09	129.39	145.25	-15.86	
	12/07/09	129.39	142.39	-13.00	
	01/19/10	129.39	140.64	-11.25	
	03/01/10	129.39	134.60	-5.21	
	06/07/10	129.39	130.92	-1.53	
	09/07/10	129.39	136.39	-7.00	
	12/06/10	129.39	133.99	-4.60	
	03/15/11	129.39	122	7.39	
	03/24/11	129.39	121.97	7.42	
	06/20/11	129.39	115.40	13.99	
	08/01/11	129.39	118.29	11.10	
	08/05/11	129.39	119.13	10.26	
	10/31/11	129.39	116.07	13.32	
	01/20/12	129.39	109.57	19.82	
	02/06/12	129.39	109.28	20.11	
	05/07/12	129.39	101.72	27.67	
	08/06/12	129.39	115.80	13.59	
	11/05/12	129.39	122.38	7.01	
	01/03/13	129.39	115.74	13.65	
	01/09/13	129.39	116.81	12.58	
	02/04/13	129.39	115.71	13.68	
	05/13/13	129.39	118.10	11.29	
	08/12/13	129.39	134.12	-4.73	
	11/11/13	129.39	132.03	-2.64	
	02/03/14	129.39	126.67	2.72	
	05/19/14	129.39	136.08	-6.69	
	08/18/14	129.39	147.46	-18.07	
	11/04/14	129.39	147.92	-18.53	
	02/02/15	129.39	131.23	-1.84	
	05/11/15	129.39	132.21	-2.82	
	08/10/15	129.39	138.88	-9.49	
	11/02/15	129.39	136.52	-7.13	
	02/01/16	129.39	129.12	0.27	
	05/02/16	129.39	133.68	-4.29	
	08/01/16	129.39	138.20	-8.81	
	11/07/16	129.39	140.60	-11.21	
	02/06/17	129.39	124.45	4.94	
	05/15/17	129.39	124.60	4.79	
	08/07/17	129.39	127.85	1.54	
	11/06/17	129.39	105.65	23.74	
	02/26/18	129.39	104.39	25.00	
	05/07/18	129.39	104.97	24.42	
	08/20/18	129.39	111.13	18.26	
	11/06/18	129.39	114.36	15.03	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-30B (Cont'd)	02/11/19	129.39	108.04	21.35	
	05/14/19	129.39	106.79	22.60	
	08/12/19	129.39	112.75	16.64	
	11/18/19	129.39	116.81	12.58	
	02/03/20	129.39	110.58	18.81	
	05/26/20	129.39	104.03	25.36	
	08/03/20	129.39	105.72	23.67	
	11/02/20	129.39	112.95	16.44	
	02/16/21	129.39	109.51	19.88	
MW-31	10/13/09	123.7	140.92	-17.2	
	10/14/09	123.7	140.85	-17.1	
	10/23/09	119.60	136.95	-17.35	
	10/30/09	119.60	136.26	-16.66	
	11/02/09	119.60	136.18	-16.58	
	12/07/09	119.60	133.45	-13.85	
	01/19/10	119.60	131.88	-12.28	
	02/12/10	119.60	127.51	-7.91	
	03/01/10	119.60	124.99	-5.39	
	03/03/10	119.60	125.04	-5.44	
	06/07/10	119.60	122.62	-3.02	
	07/30/10	119.60	126.69	-7.09	
	09/07/10	119.60	129.42	-9.82	
	12/06/10	119.60	125.45	-5.85	
	03/01/11	119.60	108.80	10.80	
	03/24/11	119.60	112.56	7.04	
	06/20/11	119.60	106.02	13.58	
	08/01/11	119.60	110.28	9.32	
	08/05/11	119.60	111.32	8.28	
	10/31/11	119.60	107.84	11.76	
	02/06/12	119.60	99.66	19.94	
	05/07/12	119.60	92.21	27.39	
	08/06/12	119.60	109.72	9.88	
	11/05/12	119.60	116.38	3.22	
	02/04/13	119.60	107.58	12.02	
	05/13/13	119.60	111.61	7.99	
	07/18/13	119.60	125.45	-5.85	
	07/19/13	119.60	122.71	-3.11	
	08/12/13	119.60	129.49	-9.89	
	09/18/13	119.60	133.82	-14.22	
	11/11/13	119.60	124.85	-5.25	
	02/03/14	119.60	118.31	1.29	
	05/19/14	119.60	130.33	-10.73	
	08/18/14	119.60	142.35	-22.75	
	11/04/14	119.60	140.95	-21.35	
	02/02/15	119.60	121.32	-1.72	
	05/11/15	119.60	123.97	-4.37	
	08/10/15	119.60	131.82	-12.22	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-31	11/02/15	119.60	128.32	-8.72	
(Cont'd)	02/01/16	119.60	120.24	-0.64	
	05/02/16	119.60	126.00	-6.40	
	08/01/16	119.60	130.85	-11.25	
	11/07/16	119.60	133.00	-13.40	
	02/06/17	119.60	113.84	5.76	
	05/15/17	119.60	114.78	4.82	
	08/07/17	119.60	119.61	-0.01	
	11/06/17	119.60	94.00	25.60	
	02/26/18	119.60	95.25	24.35	
	05/07/18	119.60	96.23	23.37	
	08/20/18	119.60	103.72	15.88	
	11/06/18	119.60	107.14	12.46	
	02/11/19	119.60	98.46	21.14	
	05/14/19	119.60	97.91	21.69	
	08/12/19	119.60	105.28	14.32	
	11/18/19	119.60	109.48	10.12	
	02/03/20	119.60	101.89	17.71	
	05/26/20	119.60	94.84	24.76	
	08/03/20	119.60	97.36	22.24	
	11/02/20	119.60	105.70	13.90	
	02/16/21	119.60	100.98	18.62	
MW-32A	01/04/10	92.88	110.20	-17.32	
	01/19/10	92.88	107.34	-14.46	
	02/10/10	92.88	101.90	-9.02	
	02/12/10	92.88	102.03	-9.15	
	03/01/10	92.88	99.24	-6.36	
	03/04/10	92.88	99.28	-6.40	
	06/07/10	92.88	97.01	-4.13	
	09/07/10	92.88	104.02	-11.14	
	12/06/10	92.88	100.08	-7.20	
	03/24/11	92.88	87.97	4.91	
	06/20/11	92.88	80.19	12.69	
	08/01/11	92.88	87.56	5.32	
	08/03/11	92.88	89.69	3.19	
	10/14/11	92.88	84.70	8.18	
	10/31/11	92.88	85.17	7.71	
	02/06/12	92.88	75.40	17.48	
	05/07/12	92.88	66.57	26.31	
	08/06/12	92.88	88.32	4.56	
	11/05/12	92.88	93.88	-1.00	
	02/04/13	92.88	83.24	9.64	
	05/13/13	92.88	89.69	3.19	
	08/12/13	92.88	108.43	-15.55	
	11/11/13	92.88	98.90	-6.02	
	12/10/13	92.88	93.03	-0.15	
	02/03/14	92.88	92.68	0.20	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-32A	05/19/14	92.88	108.72	-15.84	
(Cont'd)	08/18/14	92.88	120.55	-27.67	
	11/04/14	92.88	116.71	-23.83	
	02/02/15	92.88	94.87	-1.99	
	05/11/15	92.88	99.66	-6.78	
	08/10/15	92.88	108.42	-15.54	
	11/02/15	92.88	102.41	-9.53	
	02/01/16	92.88	93.82	-0.94	
	05/02/16	92.88	103.12	-10.24	
	08/01/16	92.88	107.97	-15.09	
	11/07/16	92.88	109.74	-16.86	
	02/06/17	92.88	87.50	5.38	
	05/15/17	92.88	91.71	1.17	
	08/07/17	92.88	96.50	-3.62	
	11/06/17	92.88	68.04	24.84	
	02/26/18	92.88	72.29	20.59	
	05/07/18	92.88	71.35	21.53	
	08/20/18	92.88	79.11	13.77	
	11/06/18	92.88	82.25	10.63	
	02/11/19	92.88	73.36	19.52	
	05/14/19	92.88	72.86	20.02	
	08/12/19	92.88	80.66	12.22	
	11/18/19	92.88	84.69	8.19	
	02/03/20	92.88	76.60	16.28	
	05/26/20	92.88	69.80	23.08	
	08/03/20	92.88	72.57	20.31	
	11/02/20	92.88	81.09	11.79	
	02/16/21	92.88	75.60	17.28	
MW-32B	01/04/10	92.89	109.29	-16.40	
	01/19/10	92.89	106.40	-13.51	
	02/10/10	92.89	101.75	-8.86	
	02/12/10	92.89	101.68	-8.79	
	03/01/10	92.89	99.18	-6.29	
	03/05/10	92.89	99.22	-6.33	
	05/07/10	92.89	94.21	-1.32	
	06/07/10	92.89	96.71	-3.82	
	07/30/10	92.89	100.91	-8.02	
	09/07/10	92.89	103.45	-10.56	
	12/06/10	92.89	99.75	-6.86	
	03/01/11	92.89	82.87	10.02	
	03/24/11	92.89	87.67	5.22	
	06/20/11	92.89	80.34	12.55	
	08/01/11	92.89	86.35	6.54	
	08/03/11	92.89	88.72	4.17	
	10/14/11	92.89	83.95	8.94	
	10/31/11	92.89	84.01	8.88	
	02/06/12	92.89	74.84	18.05	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-32B	05/07/12	92.89	66.54	26.35	
(Cont'd)	08/06/12	92.89	86.18	6.71	
	11/05/12	92.89	92.20	0.69	
	01/03/13	92.89	81.64	11.25	
	02/04/13	92.89	82.76	10.13	
	05/13/13	92.89	87.91	4.98	
	08/12/13	92.89	106.20	-13.31	
	11/11/13	92.89	98.62	-5.73	
	12/10/13	92.89	93.05	-0.16	
	02/03/14	92.89	92.55	0.34	
	05/19/14	92.89	106.96	-14.07	
	08/18/14	92.89	118.71	-25.82	
	11/04/14	92.89	116.03	-23.14	
	02/02/15	92.89	95.96	-3.07	
	05/11/15	92.89	99.45	-6.56	
	08/10/15	92.89	107.58	-14.69	
	11/02/15	92.89	102.39	-9.50	
	02/01/16	92.89	94.02	-1.13	
	05/02/16	92.89	102.73	-9.84	
	08/01/16	92.89	107.20	-14.31	
	11/07/16	92.89	109.15	-16.26	
	02/06/17	92.89	87.94	4.95	
	05/15/17	92.89	91.08	1.81	
	08/07/17	92.89	95.90	-3.01	
	11/06/17	92.89	68.70	24.19	
	02/26/18	92.89	71.41	21.48	
	05/07/18	92.89	70.75	22.14	
	08/20/18	92.89	78.35	14.54	
	11/06/18	92.89	81.51	11.38	
	02/11/19	92.89	73.15	19.74	
	05/14/19	92.89	72.48	20.41	
	08/12/19	92.89	79.84	13.05	
	11/18/19	92.89	83.95	8.94	
	02/03/20	92.89	76.20	16.69	
	05/26/20	92.89	69.28	23.61	
	08/03/20	92.89	71.71	21.18	
	11/02/20	92.89	80.06	12.83	
	02/16/21	92.89	75.29	17.60	
MW-32C	01/05/10	92.88	102.93	-10.05	
	01/19/10	92.88	102.03	-9.15	
	02/10/10	92.88	100.10	-7.22	
	02/12/10	92.88	100.03	-7.15	
	03/01/10	92.88	98.65	-5.77	
	03/05/10	92.88	98.15	-5.27	
	06/07/10	92.88	93.19	-0.31	
	09/07/10	92.88	96.89	-4.01	
	12/06/10	92.88	94.01	-1.13	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-32C (Cont'd)	03/24/11	92.88	81.27	11.61	
	06/20/11	92.88	77.32	15.56	
	08/01/11	92.88	74.40	18.48	
	08/03/11	92.88	201.55	-108.67	
	10/14/11	92.88	67.59	25.29	
	10/31/11	92.88	68.65	24.23	
	02/06/12	92.88	63.71	29.17	
	05/07/12	92.88	61.18	31.70	
	08/06/12	92.88	69.95	22.93	
	11/05/12	92.88	77.51	15.37	
	01/03/13	92.88	74.05	18.83	
	02/04/13	92.88	72.28	20.60	
	05/13/13	92.88	72.48	20.40	
	08/12/13	92.88	84.56	8.32	
	11/11/13	92.88	91.11	1.77	
	12/10/13	92.88	89.10	3.78	
	02/03/14	92.88	87.98	4.90	
	05/19/14	92.88	91.52	1.36	
	08/18/14	92.88	101.60	-8.72	
	11/04/14	92.88	105.10	-12.22	
	02/02/15	92.88	94.74	-1.86	
	05/11/15	92.88	91.27	1.61	
	08/10/15	92.88	94.27	-1.39	
	11/02/15	92.88	96.03	-3.15	
	02/01/16	92.88	90.85	2.03	
	05/02/16	92.88	89.72	3.16	
	08/01/16	92.88	92.50	0.38	
	11/07/16	92.88	92.35	0.53	
	02/06/17	92.88	87.78	5.10	
	05/15/17	92.88	81.65	11.23	
	08/07/17	92.88	83.66	9.22	
	11/06/17	92.88	67.94	24.94	
	02/26/18	92.88	60.92	31.96	
	05/07/18	92.88	65.05	27.83	
	08/20/18	92.88	71.81	21.07	
	11/06/18	92.88	76.20	16.68	
	02/11/19	92.88	71.77	21.11	
	05/14/19	92.88	68.59	24.29	
	08/12/19	92.88	73.45	19.43	
	11/18/19	92.88	77.67	15.21	
	02/03/20	92.88	72.58	20.30	
	05/26/20	92.88	64.00	28.88	
	08/03/20	92.88	64.45	28.43	
	11/02/20	92.88	71.60	21.28	
	02/16/21	92.88	69.77	23.11	
MW-33	03/01/10	83.19	73.60	9.59	
	03/15/10	83.19	85.21	-2.02	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-33	07/16/10	83.19	89.80	-6.61	
(Cont'd)	07/30/10	83.19	92.32	-9.13	
	09/07/10	83.19	94.86	-11.67	
	12/06/10	83.19	90.88	-7.69	
	03/01/11	83.19	73.60	9.59	
	03/15/11	83.19	85.21	-2.02	
	03/24/11	83.19	80.03	3.16	
	06/20/11	83.19	71.50	11.69	
	08/01/11	83.19	82.56	0.63	
	08/04/11	83.19	85.88	-2.69	
	10/14/11	83.19	80.82	2.37	
	10/31/11	83.19	77.92	5.27	
	02/06/12	83.19	68.13	15.06	
	05/07/12	83.19	57.78	25.41	
	08/06/12	83.19	83.31	-0.12	
	11/05/12	83.19	87.51	-4.32	
	12/10/12	83.19	76.87	6.32	
	01/04/13	83.19	75.02	8.17	
	02/04/13	83.19	78.41	4.78	
	05/13/13	83.19	85.06	-1.87	
	08/12/13	83.19	103.70	-20.51	
	11/11/13	83.19	89.67	-6.48	
	12/10/13	83.19	83.71	-0.52	
	02/03/14	83.19	83.47	-0.28	
	05/19/14	83.19	103.68	-20.49	
	08/18/14	83.19	115.30	-32.11	
	11/04/14	83.19	107.90	-24.71	
	02/02/15	83.19	85.81	-2.62	
	05/11/15	83.19	91.73	-8.54	
	08/10/15	83.19	103.16	-19.97	
	11/03/15	83.19	93.22	-10.03	
	02/01/16	83.19	84.78	-1.59	
	05/02/16	83.19	98.13	-14.94	
	08/01/16	83.19	102.90	-19.71	
	11/07/16	83.19	103.55	-20.36	
	02/06/17	83.19	78.63	4.56	
	05/15/17	83.19	86.66	-3.47	
	08/07/17	83.19	90.90	-7.71	
	11/06/17	83.19	59.82	23.37	
	02/26/18	83.19	66.74	16.45	
	05/07/18	83.19	62.74	20.45	
	08/20/18	83.19	71.41	11.78	
	11/06/18	83.19	73.45	9.74	
	02/11/19	83.19	64.55	18.64	
	05/14/19	83.19	64.21	18.98	
	08/12/19	83.19	71.79	11.40	
	11/18/19	83.19	75.91	7.28	
	02/03/20	83.19	67.68	15.51	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-33	05/26/20	83.19	61.10	22.09	
(Cont'd)	08/03/20	83.19	63.83	19.36	
	11/02/20	83.19	72.42	10.77	
	02/16/21	83.19	66.31	16.88	
MW-34A	02/25/11	153.25	142.78	10.47	
	03/10/11	153.25	142.26	10.99	
	03/15/11	153.25	143.61	9.64	
	03/24/11	153.25	144.68	8.57	
	06/20/11	153.25	140.26	12.99	
	08/01/11	153.25	143.63	9.62	
	08/04/11	153.25	144.33	8.92	
	10/14/11	153.25	140.77	12.48	
	10/31/11	153.25	141.95	11.30	
	02/06/12	153.25	134.13	19.12	
	05/07/12	153.25	126.22	27.03	
	06/26/12	153.25	130.37	22.88	
	08/06/12	153.25	139.39	13.86	
	11/05/12	153.25	146.00	7.25	
	02/04/13	153.25	138.95	14.30	
	05/13/13	153.25	139.67	13.58	
	08/12/13	153.25	156.14	-2.89	
	09/18/13	153.25	160.57	-7.32	
	11/11/13	153.25	155.60	-2.35	
	12/10/13	153.25	150.05	3.20	
	02/03/14	153.25	146.80	6.45	
	05/19/14	153.25	159.82	-6.57	
	08/18/14	153.25	171.15	-17.90	
	11/04/14	153.25	172.43	-19.18	
	02/02/15	153.25	155.22	-1.97	
	05/11/15	153.25	155.51	-2.26	
	08/10/15	153.25	163.23	-9.98	
	11/02/15	153.25	160.22	-6.97	
	02/01/16	153.25	151.81	1.44	
	05/02/16	153.25	158.71	-5.46	
	08/01/16	153.25	165.49	-12.24	
	11/07/16	153.25	165.51	-12.26	
	02/06/17	153.25	149.02	4.23	
	05/15/17	153.25	148.62	4.63	
	08/07/17	153.25	155.68	-2.43	
	11/06/17	153.25	135.02	18.23	
	02/26/18	153.25	131.33	21.92	
	05/07/18	153.25	136.17	17.08	
	08/20/18	153.25	147.38	5.87	
	11/06/18	153.25	149.91	3.34	
	02/11/19	153.25	139.05	14.20	
	05/14/19	153.25	138.72	14.53	
	08/12/19	153.25	145.11	8.14	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-34A	11/18/19	153.25	149.58	3.67	
(Cont'd)	02/03/20	153.25	139.43	13.82	
	05/26/20	153.25	135.69	17.56	
	08/03/20	153.25	141.02	12.23	
	11/02/20	153.25	141.85	11.40	
	02/16/21	153.25	134.31	18.94	
MW-34B	02/25/11	153.11	146.89	6.22	
	03/01/11	153.11	146.32	6.79	
	03/10/11	153.11	146.80	6.31	
	03/15/11	153.11	147.91	5.20	
	03/24/11	153.11	148.84	4.27	
	06/20/11	153.11	142.81	10.30	
	06/21/11	153.11	143.15	9.96	
	08/01/11	153.11	147.20	5.91	
	08/04/11	153.11	148.27	4.84	
	09/30/11	153.11	146.12	6.99	
	10/14/11	153.11	144.55	8.56	
	10/31/11	153.11	146.19	6.92	
	02/06/12	153.11	136.92	16.19	
	05/07/12	153.11	127.89	25.22	
	06/26/12	153.11	132.73	20.38	
	08/06/12	153.11	144.08	9.03	
	11/05/12	153.11	153.67	-0.56	
	12/10/12	153.11	149.08	4.03	
	01/03/13	153.11	145.69	7.42	
	02/04/13	153.11	145.61	7.50	
	05/13/13	153.11	145.45	7.66	
	08/12/13	153.11	164.81	-11.70	
	09/18/13	153.11	169.84	-16.73	
	11/11/13	153.11	163.05	-9.94	
	12/10/13	153.11	156.82	-3.71	
	02/03/14	153.11	153.48	-0.37	
	05/19/14	153.11	163.44	-10.33	
	08/18/14	153.11	177.51	-24.40	
	11/04/14	153.11	178.79	-25.68	
	02/02/15	153.11	160.99	-7.88	
	05/11/15	153.11	159.14	-6.03	
	08/10/15	153.11	168.28	-15.17	
	11/02/15	153.11	165.13	-12.02	
	02/01/16	153.11	156.28	-3.17	
	05/02/16	153.11	162.00	-8.89	
	08/01/16	153.11	168.68	-15.57	
	11/07/16	153.11	169.85	-16.74	
	02/06/17	153.11	152.36	0.75	
	05/15/17	153.11	150.31	2.80	
	08/07/17	153.11	155.75	-2.64	
	11/06/17	153.11	133.16	19.95	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-34B	02/26/18	153.11	130.75	22.36	
(Cont'd)	05/07/18	153.11	130.26	22.85	
	08/20/18	153.11	138.25	14.86	
	11/06/18	153.11	141.67	11.44	
	02/11/19	153.11	135.71	17.40	
	05/14/19	153.11	133.27	19.84	
	08/12/19	153.11	139.32	13.79	
	11/18/19	153.11	143.92	9.19	
	02/03/20	153.11	137.37	15.74	
	05/26/20	153.11	130.00	23.11	
	08/03/20	153.11	131.81	21.30	
	11/02/20	153.11	140.24	12.87	
	02/26/21	153.11	137.19	15.92	
MW-34C	02/25/11	153.29	145.40	7.89	
	03/10/11	153.29	148.34	4.95	
	03/15/11	153.29	149.75	3.54	
	03/24/11	153.29	149.08	4.21	
	03/29/11	153.29	145.51	7.78	
	06/20/11	153.29	141.68	11.61	
	06/21/11	153.29	144.05	9.24	
	08/01/11	153.29	146.36	6.93	
	08/04/11	153.29	148.5	4.79	
	10/14/11	153.29	144.06	9.23	
	10/31/11	153.29	144.52	8.77	
	02/06/12	153.29	136.08	17.21	
	05/07/12	153.29	128.1	25.19	
	06/26/12	153.29	132.07	21.22	
	08/06/12	153.29	144.46	8.83	
	11/05/12	153.29	150.45	2.84	
	12/10/12	153.29	144.11	9.18	
	01/03/13	153.29	143.18	10.11	
	02/04/13	153.29	143.01	10.28	
	05/13/13	153.29	146.64	6.65	
	08/12/13	153.29	162.95	-9.66	
	09/18/13	153.29	167.07	-13.78	
	11/11/13	153.29	158.03	-4.74	
	12/10/13	153.29	153.21	0.08	
	02/03/14	153.29	152.38	0.91	
	05/19/14	153.29	164.45	-11.16	
	08/18/14	153.29	175.77	-22.48	
	11/04/14	153.29	174.43	-21.14	
	02/02/15	153.29	156.90	-3.61	
	05/11/15	153.29	158.77	-5.48	
	08/10/15	153.29	166.34	-13.05	
	11/02/15	153.29	162.32	-9.03	
	02/01/16	153.29	154.85	-1.56	
	05/02/16	153.29	161.50	-8.21	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-34C (Cont'd)	08/01/16	153.29	166.20	-12.91	
	11/07/16	153.29	168.18	-14.89	
	02/06/17	153.29	150.12	3.17	
	05/15/17	153.29	151.35	1.94	
	08/07/17	153.29	155.62	-2.33	
	11/06/17	153.29	131.75	21.54	
	02/26/18	153.29	132.05	21.24	
	05/07/18	153.29	131.11	22.18	
	08/20/18	153.29	137.59	15.70	
	11/06/18	153.29	140.66	12.63	
	02/11/19	153.29	133.81	19.48	
	05/14/19	153.29	132.67	20.62	
	08/12/19	153.29	138.94	14.35	
	11/18/19	153.29	142.72	10.57	
	02/03/20	153.29	136.24	17.05	
	05/26/20	153.29	129.89	23.40	
	08/03/20	153.29	131.74	21.55	
	11/02/20	153.29	139.17	14.12	
	02/16/21	153.29	135.33	17.96	
MW-35A	01/19/11	93.57	77.69	15.88	
	02/03/11	93.57	77.51	16.06	
	03/24/11	93.57	76.01	17.56	
	05/26/11	93.57	74.25	19.32	
	06/20/11	93.57	71.74	21.83	
	08/01/11	93.57	75.29	18.28	
	08/04/11	93.57	76.44	17.13	
	10/31/11	93.57	71.55	22.02	
	02/06/12	93.57	64.46	29.11	
	05/07/12	93.57	60.11	33.46	
	06/26/12	93.57	64.03	29.54	
	08/06/12	93.57	72.82	20.75	
	11/05/12	93.57	76.05	17.52	
	02/04/13	93.57	68.48	25.09	
	05/13/13	93.57	73.46	20.11	
	08/12/13	93.57	86.05	7.52	
	11/11/13	93.57	84.11	9.46	
	12/10/13	93.57	80.20	13.37	
	02/03/14	93.57	79.11	14.46	
	05/19/14	93.57	90.45	3.12	
	08/18/14	93.57	98.60	-5.03	
	11/04/14	93.57	97.37	-3.80	
	02/02/15	93.57	83.43	10.14	
	05/11/15	93.57	87.57	6.00	
	08/10/15	93.57	93.08	0.49	
	11/02/15	93.57	88.69	4.88	
	02/01/16	93.57	81.57	12.00	
	05/02/16	93.57	91.36	2.21	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-35A (Cont'd)	08/01/16	93.57	95.55	-1.98	
	11/07/16	93.57	95.80	-2.23	
	02/06/17	93.57	78.82	14.75	
	05/15/17	93.57	83.40	10.17	
	08/07/17	93.57	86.90	6.67	
	11/06/17	93.57	65.62	27.95	
	02/26/18	93.57	67.47	26.10	
	05/07/18	93.57	74.14	19.43	
	08/20/18	93.57	82.40	11.17	
	11/06/18	93.57	83.41	10.16	
	02/11/19	93.57	68.56	25.01	
	05/14/19	93.57	74.51	19.06	
	08/12/19	93.57	80.12	13.45	
	11/18/19	93.57	83.17	10.40	
	02/03/20	93.57	68.91	24.66	
	05/26/20	93.57	69.40	24.17	
	08/03/20	93.57	76.71	16.86	
	11/02/20	93.57	71.70	21.87	
	02/16/21	93.57	64.05	29.52	
MW-35B	01/19/11	93.56	84.50	9.06	
	02/03/11	93.56	84.59	8.97	
	03/24/11	93.56	82.95	10.61	
	06/20/11	93.56	78.82	14.74	
	06/22/11	93.56	78.80	14.76	
	08/01/11	93.56	82.78	10.78	
	08/04/11	93.56	84.05	9.51	
	10/31/11	93.56	79.67	13.89	
	02/06/12	93.56	72.06	21.50	
	05/07/12	93.56	65.67	27.89	
	06/26/12	93.56	70.36	23.20	
	08/06/12	93.56	80.68	12.88	
	11/05/12	93.56	85.02	8.54	
	02/04/13	93.56	77.70	15.86	
	05/13/13	93.56	81.25	12.31	
	08/12/13	93.56	97.17	-3.61	
	09/18/13	93.56	101.37	-7.81	
	11/11/13	93.56	94.21	-0.65	
	12/10/13	93.56	87.92	5.64	
	02/03/14	93.56	86.58	6.98	
	05/19/14	93.56	100.60	-7.04	
	08/18/14	93.56	111.30	-17.74	
	11/04/14	93.56	110.32	-16.76	
	02/02/15	93.56	92.11	1.45	
	05/11/15	93.56	95.79	-2.23	
	08/10/15	93.56	103.07	-9.51	
	11/02/15	93.56	99.27	-5.71	
	02/01/16	93.56	90.85	2.71	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-35B	05/02/16	93.56	98.47	-4.91	
(Cont'd)	08/01/16	93.56	104.05	-10.49	
	11/07/16	93.56	105.55	-11.99	
	02/06/17	93.56	85.75	7.81	
	05/15/17	93.56	88.65	4.91	
	08/07/17	93.56	93.70	-0.14	
	11/06/17	93.56	71.52	22.04	
	02/26/18	93.56	70.97	22.59	
	05/07/18	93.56	77.93	15.63	
	08/20/18	93.56	87.45	6.11	
	11/06/18	93.56	89.32	4.24	
	02/11/19	93.56	75.51	18.05	
	05/14/19	93.56	78.06	15.50	
	08/12/19	93.56	84.54	9.02	
	11/18/19	93.56	88.40	5.16	
	02/03/20	93.56	76.69	16.87	
	05/26/20	93.56	74.38	19.18	
	08/03/20	93.56	80.14	13.42	
	11/02/20	93.56	80.07	13.49	
	02/16/21	93.56	73.29	20.27	
MW-35C	01/19/11	93.55	88.79	4.76	
	02/03/11	93.55	88.62	4.93	
	03/01/11	93.55	82.54	11.01	
	03/24/11	93.55	87.38	6.17	
	06/20/11	93.55	80.47	13.08	
	08/01/11	93.55	86.38	7.17	
	08/04/11	93.55	88.72	4.83	
	10/31/11	93.55	83.44	10.11	
	02/06/12	93.55	74.42	19.13	
	05/07/12	93.55	66.84	26.71	
	06/26/12	93.55	72.84	20.71	
	08/06/12	93.55	88.31	5.24	
	11/05/12	93.55	92.71	0.84	
	02/04/13	93.55	83.56	9.99	
	05/13/13	93.55	89.47	4.08	
	08/12/13	93.55	107.84	-14.29	
	09/18/13	93.55	111.67	-18.12	
	11/11/13	93.55	99.35	-5.80	
	12/10/13	93.55	93.43	0.12	
	02/03/14	93.55	93.68	-0.13	
	05/19/14	93.55	108.54	-14.99	
	08/18/14	93.55	120.07	-26.52	
	11/04/14	93.55	116.33	-22.78	
	02/02/15	93.55	94.44	-0.89	
	05/11/15	93.55	99.58	-6.03	
	08/10/15	93.55	108.23	-14.68	
	11/02/15	93.55	102.92	-9.37	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-35C (Cont'd)	02/01/16	93.55	94.58	-1.03	
	05/02/16	93.55	102.43	-8.88	
	08/01/16	93.55	107.20	-13.65	
	11/07/16	93.55	109.20	-15.65	
	02/06/17	93.55	87.36	6.19	
	05/15/17	93.55	91.38	2.17	
	08/07/17	93.55	95.55	-2.00	
	11/06/17	93.55	67.44	26.11	
	02/26/18	93.55	71.61	21.94	
	05/07/18	93.55	72.13	21.42	
	08/20/18	93.55	79.78	13.77	
	11/06/18	93.55	82.91	10.64	
	02/11/19	93.55	73.31	20.24	
	05/14/19	93.55	73.24	20.31	
	08/12/19	93.55	81.68	11.87	
	11/18/19	93.55	85.68	7.87	
	02/03/20	93.55	77.21	16.34	
	05/26/20	93.55	70.40	23.15	
	08/03/20	93.55	73.31	20.24	
	11/02/20	93.55	81.88	11.67	
	02/16/21	93.55	76.12	17.43	
MW-36	01/13/12	86.65	76.60	10.05	
	01/26/12	86.65	76.55	10.10	
	02/06/12	86.65	76.62	10.03	
	05/07/12	86.65	61.99	24.66	
	08/06/12	86.65	88.09	-1.44	
	11/05/12	86.65	93.33	-6.68	
	01/04/13	86.65	81.65	5.00	
	02/04/13	86.65	84.54	2.11	
	05/13/13	86.65	89.88	-3.23	
	08/12/13	86.65	108.65	-22.00	
	11/11/13	86.65	93.68	-7.03	
	02/03/14	86.65	86.85	-0.20	
	05/19/14	86.65	107.76	-21.11	
	08/18/14	86.65	120.00	-33.35	
	11/04/14	86.65	112.18	-25.53	
	02/02/15	86.65	90.73	-4.08	
	05/11/15	86.65	96.88	-10.23	
	08/10/15	86.65	107.61	-20.96	
	11/02/15	86.65	97.50	-10.85	
	02/01/16	86.65	88.71	-2.06	
	05/02/16	86.65	103.14	-16.49	
	08/01/16	86.65	108.38	-21.73	
	11/07/16	86.65	108.73	-22.08	
	02/06/17	86.65	83.55	3.10	
	05/17/17	86.65	92.35	-5.70	
	08/07/17	86.65	96.88	-10.23	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-36	11/06/17	86.65	65.10	21.55	
(Cont'd)	02/26/18	86.65	72.25	14.40	
	05/08/18	86.65	66.65	20.00	
	08/20/18	86.65	74.32	12.33	
	11/06/18	86.65	77.37	9.28	
	02/11/19	86.65	69.34	17.31	
	05/14/19	86.65	68.45	18.20	
	08/12/19	86.65	75.50	11.15	
	11/18/19	86.65	79.64	7.01	
	02/03/20	86.65	71.92	14.73	
	05/26/20	86.65	65.32	21.33	
	08/03/20	86.65	67.80	18.85	
	11/02/20	86.65	76.28	10.37	
	02/16/21	86.65	71.04	15.61	
MW-37	10/26/12	155.60	144.62	10.98	
	11/05/12	155.60	142.07	13.53	
	12/10/12	155.60	140.12	15.48	
	01/03/13	155.60	137.21	18.39	
	02/04/13	155.60	136.18	19.42	
	05/13/13	155.60	136.80	18.80	
	08/12/13	155.60	149.41	6.19	
	09/18/13	155.60	154.59	1.01	
	11/12/13	155.60	156.98	-1.38	
	02/03/14	155.60	153.22	2.38	
	05/19/14	155.60	157.06	-1.46	
	08/18/14	155.60	167.65	-12.05	
	11/04/14	155.60	171.21	-15.61	
	02/02/15	155.60	159.43	-3.83	
	05/11/15	155.60	154.65	0.95	
	08/10/15	155.60	158.40	-2.80	
	11/02/15	155.60	160.51	-4.91	
	02/01/16	155.60	155.85	-0.25	
	05/02/16	155.60	153.90	1.70	
	08/01/16	155.60	157.24	-1.64	
	11/07/16	155.60	162.06	-6.46	
	02/06/17	155.60	152.72	2.88	
	05/15/17	155.60	145.47	10.13	
	08/07/17	155.60	148.18	7.42	
	11/06/17	155.60	131.14	24.46	
	03/02/18	155.60	124.82	30.78	
	05/08/18	155.60	129.42	26.18	
	08/20/18	155.60	137.07	18.53	
	11/06/18	155.60	142.32	13.28	
	02/11/19	155.60	137.04	18.56	
	05/14/19	155.60	133.85	21.75	
	08/12/19	155.60	139.05	16.55	
	11/18/19	155.60	143.20	12.40	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-37	02/03/20	155.60	138.79	16.81	
(Cont'd)	05/28/20	155.60	128.79	26.81	
	08/03/20	155.60	129.43	26.17	
	11/02/20	155.60	136.72	18.88	
	02/16/21	155.60	135.60	20.00	
MW-38	08/07/13	154.90	156.80	-1.90	
	08/12/13	154.90	157.50	-2.60	
	09/18/13	154.90	162.55	-7.65	
	11/12/13	154.90	160.86	-5.96	
	02/03/14	154.90	150.50	4.40	
	05/19/14	154.90	159.11	-4.21	
	08/18/14	154.90	173.52	-18.62	
	11/04/14	154.90	176.59	-21.69	
	02/02/15	154.90	162.11	-7.21	
	05/11/15	154.90	157.15	-2.25	
	08/10/15	154.90	166.11	-11.21	
	11/02/15	154.90	165.35	-10.45	
	02/01/16	154.90	156.80	-1.90	
	05/02/16	154.90	161.35	-6.45	
	08/01/16	154.90	169.55	-14.65	
	11/07/16	154.90	169.69	-14.79	
	02/06/17	154.90	156.94	-2.04	
	05/15/17	154.90	151.51	3.39	
	08/07/17	154.90	160.10	-5.20	
	11/06/17	154.90	143.85	11.05	
	03/02/18	154.90	137.85	17.05	
	05/08/18	154.90	138.92	15.98	
	08/20/18	154.90	150.08	4.82	
	11/06/18	154.90	153.90	1.00	
	02/11/19	154.90	146.05	8.85	
	05/14/19	154.90	142.71	12.19	
	08/12/19	154.90	148.61	6.29	
	11/18/19	154.90	153.76	1.14	
	02/03/20	154.90	145.67	9.23	
	05/28/20	154.90	140.87	14.03	
	08/03/20	154.90	145.60	9.30	
	11/02/20	154.90	147.10	7.80	
	02/16/21	154.90	139.27	15.63	
MW-39	08/08/13	84.25	106.13	-21.88	
	08/12/13	84.25	106.72	-22.47	
	11/11/13	84.25	90.90	-6.65	
	02/03/14	84.25	84.70	-0.45	
	05/19/14	84.25	106.47	-22.22	
	08/18/14	84.25	118.09	-33.84	
	11/04/14	84.25	109.61	-25.36	
	02/02/15	84.25	87.62	-3.37	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-39	05/11/15	84.25	95.10	-10.85	
(Cont'd)	08/10/15	84.25	104.94	-20.69	
	11/02/15	84.25	95.00	-10.75	
	02/01/16	84.25	86.35	-2.10	
	05/02/16	84.25	101.39	-17.14	
	08/01/16	84.25	106.20	-21.95	
	11/07/16	84.25	106.85	-22.60	
	02/06/17	84.25	80.95	3.30	
	05/17/17	84.25	90.75	-6.50	
	08/07/17	84.25	94.90	-10.65	
	11/06/17	84.25	62.93	21.32	
	02/26/18	84.25	70.59	13.66	
	05/08/18	84.25	65.10	19.15	
	08/20/18	84.25	72.65	11.60	
	11/06/18	84.25	75.45	8.80	
	02/11/19	84.25	67.10	17.15	
	05/14/19	84.25	66.48	17.77	
	08/12/19	84.25	73.78	10.47	
	11/18/19	84.25	77.74	6.51	
	02/03/20	84.25	69.90	14.35	
	05/26/20	84.25	63.48	20.77	
	08/03/20	84.25	66.11	18.14	
	11/02/20	84.25	74.41	9.84	
	02/16/21	84.25	68.50	15.75	
MW-40	07/19/13	123.40	124.37	-0.97	
	08/12/13	123.40	129.88	-6.48	
	11/11/13	123.40	127.22	-3.82	
	02/03/14	123.40	121.00	2.40	
	05/19/14	123.40	131.26	-7.86	
	08/18/14	123.40	143.09	-19.69	
	11/04/14	123.40	142.65	-19.25	
	02/02/15	123.40	123.10	0.30	
	05/11/15	123.40	125.05	-1.65	
	08/10/15	123.40	132.73	-9.33	
	11/02/15	123.40	130.39	-6.99	
	02/01/16	123.40	122.22	1.18	
	05/02/16	123.40	126.37	-2.97	
	08/01/16	123.40	131.15	-7.75	
	11/07/16	123.40	133.75	-10.35	
	02/06/17	123.40	115.56	7.84	
	05/15/17	123.40	115.48	7.92	
	08/07/17	123.40	120.00	3.40	
	11/06/17	123.40	95.36	28.04	
	02/26/18	123.40	95.76	27.64	
	05/07/18	123.40	98.33	25.07	
	08/20/18	123.40	106.08	17.32	
	11/06/18	123.40	109.71	13.69	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-40	02/11/19	123.40	100.95	22.45	
(Cont'd)	05/14/19	123.40	100.05	23.35	
	08/12/19	123.40	107.80	15.60	
	11/18/19	123.40	112.04	11.36	
	02/03/20	123.40	104.24	19.16	
	05/26/20	123.40	96.81	26.59	
	08/03/20	123.40	99.28	24.12	
	11/02/20	123.40	108.90	14.50	
	02/16/21	123.40	104.41	18.99	
MW-41	08/19/14	156.02	186.17	-30.15	
	09/10/14	155.60	185.65	-30.05	
	09/24/14	155.60	186.05	-30.45	
	11/04/14	155.60	182.14	-26.54	
	02/02/15	155.60	163.12	-7.52	
	05/11/15	155.60	162.20	-6.60	
	08/10/15	155.60	171.28	-15.68	
	11/02/15	155.60	167.24	-11.64	
	02/01/16	155.60	158.29	-2.69	
	05/02/16	155.60	166.35	-10.75	
	08/01/16	155.60	172.88	-17.28	
	11/07/16	155.60	173.65	-18.05	
	02/06/17	155.60	154.75	0.85	
	05/15/17	155.60	155.25	0.35	
	08/07/17	155.60	162.35	-6.75	
	11/06/17	155.60	136.41	19.19	
	03/02/18	155.60	137.20	18.40	
	05/08/18	155.60	133.78	21.82	
	08/20/18	155.60	141.09	14.51	
	11/06/18	155.60	144.30	11.30	
	02/11/19	155.60	138.65	16.95	
	05/14/19	155.60	136.17	19.43	
	08/12/19	155.60	141.60	14.00	
	11/18/19	155.60	146.03	9.57	
	02/03/20	155.60	139.75	15.85	
	05/28/20	155.60	133.34	22.26	
	08/03/20	155.60	134.73	20.87	
	11/02/20	155.60	142.62	12.98	
	02/16/21	155.60	139.16	16.44	
MW-42	06/24/19	82.80	67.63	15.17	
	08/12/19	82.80	72.59	10.21	
	11/18/19	82.80	76.63	6.17	
	02/03/20	82.80	68.32	14.48	
	05/26/20	82.80	61.89	20.91	
	08/03/20	82.80	64.79	18.01	
	11/02/20	82.80	73.39	9.40	
	02/16/21	82.80	67.17	15.63	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
MW-43	06/24/19	76.64	61.70	14.94	
	08/12/19	76.64	66.77	9.87	
	11/18/19	76.64	70.74	5.90	
	02/03/20	76.64	62.58	14.06	
	05/26/20	76.64	56.35	20.29	
	08/03/20	76.64	59.10	17.54	
	11/02/20	76.64	67.57	9.07	
	02/16/21	76.64	61.31	15.33	
EW-01	06/20/05	142.65	132.89	9.76	
	09/19/05	142.65	140.63	2.02	
	09/21/05	142.65	140.88	1.77	
	12/17/05	142.65	119.06	23.59	
	12/19/05	142.65	118.70	23.95	
	02/24/06	142.65	108.91	33.74	
	03/20/06	142.65	112.76	29.89	
	05/18/06	142.65	105.98	36.67	
	06/19/06	142.65	108.61	34.04	
	09/25/06	142.65	118.60	24.05	
	12/11/06	142.5	116.08	26.4	
	03/12/07	142.5	122.93	19.6	
	06/18/07	142.5	133.31	9.2	
	09/24/07	142.5	157.35	-14.9	
	12/10/07	142.5	164.54	-22.0	
	12/20/07	142.5	164.75	-22.3	
	01/21/08	142.5	162.41	-19.9	
	01/21/08	140.3	162.41	-22.1	
	03/17/08	140.3	156.96	-16.7	
	05/27/08	141.13	160.10	-18.97	
	06/10/08	141.13	161.48	-20.35	
	06/23/08	141.13	162.89	-21.76	Pilot GETS
	07/09/08	141.07	165.87	-24.80	
	07/11/08	141.07	165.59	-24.52	
	07/14/08	141.07	165.71	-24.64	Pilot GETS
	07/15/08	141.07	167.64	-26.57	Pilot GETS
	07/30/08	141.07	168.45	-27.38	Pilot GETS
	08/14/08	141.07	> 172.65	< -31.58	Pilot GETS
	08/25/08	141.07	171.89	-30.82	Pilot GETS
	09/22/08	141.07	> 172.65	< -31.58	Pilot GETS
	10/22/08	141.07	> 172.65	< -31.58	
	12/15/08	141.07	171.93	-30.86	
	12/19/08	141.07	171.74	-30.67	
	01/07/09	141.07	165.86	-24.79	Pilot GETS
	02/25/09	141.07	162.17	-21.10	Pilot GETS
	03/16/09	141.07	157.84	-16.77	Pilot GETS
	03/18/09	141.07	158.69	-17.62	
	04/29/09	141.07	152.31	-11.24	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-01	04/29/09	141.07	152.85	-11.78	Pilot GETS
(Cont'd)	05/27/09	141.07	155.10	-14.03	Pilot GETS
	06/22/09	141.07	156.88	-15.81	Pilot GETS
	06/26/09	141.07	157.98	-16.91	Pilot GETS
	06/29/09	141.07	158.68	-17.61	Pilot GETS
	07/22/09	141.07	164.06	-22.99	Pilot GETS
	08/14/09	141.07	168.21	-27.14	Pilot GETS
	08/31/09	141.07	163.05	-21.98	Pilot GETS
	09/10/09	141.07	164.32	-23.25	Pilot GETS
	09/11/09	141.07	164.23	-23.16	Pilot GETS
	10/08/09	141.07	> 172.65	< -31.58	Pilot GETS
	10/23/09	141.07	158.25	-17.18	
	10/30/09	141.07	157.75	-16.68	
	11/04/09	141.07	157.23	-16.16	
	12/07/09	141.07	154.56	-13.49	
	12/09/09	141.07	155.28	-14.21	
	01/19/10	141.07	153.29	-12.22	
	02/10/10	141.07	142.49	-1.42	
	03/01/10	141.07	147.07	-6.00	
	03/05/10	141.07	146.63	-5.56	
	03/09/10	141.07	142.50	-1.43	
	06/07/10	141.07	142.43	-1.36	
	09/07/10	141.07	150.09	-9.02	
	12/06/10	141.07	148.66	-7.59	
	03/01/11	141.07	131.68	9.39	
	03/24/11	141.07	132.08	8.99	
	06/20/11	141.07	127.90	13.17	
	08/01/11	141.07	128.94	12.13	
	08/05/11	141.07	129.27	11.80	
	10/14/11	141.07	125.48	15.59	
	10/31/11	141.07	126.74	14.33	
	01/05/12	141.07	121.24	19.83	
	02/06/12	141.07	119.36	21.71	
	05/07/12	141.07	113.04	28.03	
	06/26/12	141.07	117.34	23.73	
	08/06/12	141.07	125.45	15.62	
	11/05/12	141.07	136.31	4.76	
	02/04/13	141.07	128.42	12.65	
	05/13/13	141.07	126.97	14.10	
	07/18/13	141.07	141.66	-0.59	
	07/19/13	141.07	141.39	-0.32	
	08/12/13	141.07	145.78	-4.71	
	09/18/13	141.07	151.02	-9.95	
	11/11/13	141.07	147.97	-6.90	
	02/03/14	141.07	139.43	1.64	
	05/19/14	141.07	145.42	-4.35	
	08/18/14	141.07	159.40	-18.33	
	11/04/14	141.07	161.72	-20.65	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-01	02/02/15	141.07	145.40	-4.33	
(Cont'd)	05/11/15	141.07	142.61	-1.54	
	08/10/15	141.07	150.91	-9.84	
	11/02/15	141.07	150.00	-8.93	
	02/01/16	141.07	141.57	-0.50	
	05/02/16	141.07	143.98	-2.91	
	08/01/16	141.07	150.17	-9.10	
	11/07/16	141.07	152.30	-11.23	
	02/06/17	141.07	137.24	3.83	
	05/15/17	141.07	132.49	8.58	
	08/07/17	141.07	139.10	1.97	
	11/06/17	141.07	117.81	23.26	
	02/26/18	141.07	111.86	29.21	
	05/07/18	141.07	114.87	26.20	
	08/20/18	141.07	123.26	17.81	
	11/06/18	141.07	126.88	14.19	
	02/11/19	141.07	121.22	19.85	
	05/14/19	141.07	118.23	22.84	
	08/12/19	141.07	124.12	16.95	
	11/18/19	141.07	129.26	11.81	
	02/03/20	141.07	122.80	18.27	
	05/26/20	141.07	114.81	26.26	
	08/03/20	141.07	116.46	24.61	
	11/02/20	141.07	125.05	16.02	
	02/16/21	141.07	122.81	18.26	
EW-02	10/23/09	137.6	137.92	-0.3	
	10/30/09	137.6	156.81	-19.2	
	10/31/09	137.6	155.97	-18.3	
	11/04/09	136.2	153.21	-17.0	
	12/07/09	132.97	UTM	--	
	02/10/10	132.97	142.49	-9.52	
	03/01/10	132.97	139.89	-6.92	Pre-Startup
	03/22/10	132.97	136.73	-3.76	Pilot GETS
	03/22/10	132.97	143.6	-10.6	Pilot GETS
	03/23/10	132.97	143.25	-10.28	Pilot GETS
	03/24/10	132.97	144.42	-11.45	Pilot GETS
	03/25/10	132.97	144.60	-11.63	
	03/26/10	132.97	144.99	-12.02	
	04/01/10	132.97	143.85	-10.88	
	04/09/10	132.97	143.40	-10.43	
	04/13/10	132.97	142.63	-9.66	
	04/23/10	132.97	143.15	-10.18	
	05/25/10	132.97	142.50	-9.53	Pilot GETS
	06/07/10	132.97	143.34	-10.37	Pilot GETS
	06/10/10	132.97	143.42	-10.45	Pilot GETS
	07/08/10	132.97	144.76	-11.79	Pilot GETS
	07/30/10	132.97	145.5	-12.53	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-02	08/02/10	132.97	146.95	-13.98	Pilot GETS
(Cont'd)	09/02/10	132.97	150.82	-17.85	Pilot GETS
	09/07/10	132.97	150.46	-17.49	Pilot GETS
	10/07/10	132.97	153.49	-20.52	Pilot GETS
	11/11/10	132.97	153.63	-20.66	
	12/06/10	132.97	148.10	-15.13	
	12/07/10	132.97	149.05	-16.08	Pilot GETS
	12/07/10	132.97	148.62	-15.65	Pilot GETS
	01/13/11	132.97	138.52	-5.55	
	01/13/11	132.97	138.74	-5.77	Pilot GETS
	02/03/11	132.97	136.61	-3.64	Pilot GETS
	03/02/11	132.97	130.70	2.27	Pilot GETS
	03/24/11	132.97	133.23	-0.26	Pilot GETS
	04/01/11	132.97	132.74	0.23	Pilot GETS
	05/04/11	132.97	134.42	-1.45	Pilot GETS
	06/07/11	132.97	129.64	3.33	Pilot GETS
	06/20/11	132.97	128.12	4.85	Pilot GETS
	07/02/11	132.97	127.73	5.24	Pilot GETS
	08/01/11	132.97	130.41	2.56	Pilot GETS
	08/05/11	132.97	130.83	2.14	Pilot GETS
	09/09/11	132.97	131.13	1.84	
	09/30/11	132.97	128.61	4.36	Pilot GETS
	10/17/11	132.97	127.67	5.30	Pilot GETS
	10/31/11	132.97	128.83	4.14	Pilot GETS
	11/01/11	132.97	128.76	4.21	Pilot GETS
	12/07/11	132.97	122.0	10.97	Pilot GETS
	12/08/11	132.97	123.51	9.46	Pilot GETS
	01/06/12	132.97	119.6	13.37	Pilot GETS
	01/10/12	132.97	120.72	12.25	Pilot GETS
	02/06/12	132.97	118.95	14.02	Pilot GETS
	02/08/12	132.97	119.22	13.75	Pilot GETS
	03/09/12	132.97	113.25	19.72	Pilot GETS
	04/02/12	132.97	116.19	16.78	Pilot GETS
	04/16/12	132.97	114.57	18.40	Pilot GETS
	05/01/12	132.97	113.65	19.32	Pilot GETS
	05/07/12	132.97	113.55	19.42	
	06/07/12	132.97	118.65	14.32	Pilot GETS
	06/08/12	132.97	118.79	14.18	Pilot GETS
	06/26/12	132.97	118.32	14.65	Pilot GETS
	07/11/12	132.97	121.79	11.18	Pilot GETS
	08/03/12	132.97	127.16	5.81	Pilot GETS
	08/06/12	132.97	127.42	5.55	Pilot GETS
	09/06/12	132.97	132.79	0.18	Pilot GETS
	10/15/12	132.97	156.45	-23.48	Pilot GETS
	11/05/12	132.97	137.50	-4.53	Pilot GETS
	12/10/12	132.97	133.49	-0.52	Pilot GETS
	02/04/13	132.97	129.53	3.44	Pilot GETS
	03/09/13	132.97	127.99	4.98	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-02	04/15/13	132.97	121.61	11.36	Pilot GETS
(Cont'd)	05/13/13	132.97	129.21	3.76	Pilot GETS
	06/13/13	132.97	136.67	-3.70	Pilot GETS
	07/02/13	132.97	139.40	-6.43	Pilot GETS
	08/12/13	132.97	147.57	-14.60	Pilot GETS
	09/03/13	132.97	150.15	-17.18	Pilot GETS
	10/05/13	132.97	153.60	-20.63	Pilot GETS
	11/11/13	132.97	148.57	-15.60	Pilot GETS
	12/11/13	132.97	142.69	-9.72	Pilot GETS
	01/17/14	132.97	139.97	-7.00	Pilot GETS
	02/03/14	132.97	140.12	-7.15	Pilot GETS
	02/11/14	132.97	139.58	-6.61	Pilot GETS
	03/04/14	132.97	137.47	-4.50	Pilot GETS
	05/21/14	132.97	140.60	-7.63	Pilot GETS
	08/18/14	132.97	153.84	-20.87	Pilot GETS
	11/03/14	132.97	161.56	-28.59	Pilot GETS
	11/04/14	132.97	162.10	-29.13	Pilot GETS
	12/18/14	132.97	150.55	-17.58	Pilot GETS
	01/19/15	132.97	150.01	-17.04	Pilot GETS
	02/02/15	132.97	153.84	-20.87	Pilot GETS
	03/06/15	132.97	139.38	-6.41	
	04/02/15	132.97	139.32	-6.35	
	05/11/15	132.97	143.04	-10.07	Pilot GETS
	06/05/15	132.97	145.68	-12.71	Pilot GETS
	07/14/15	132.97	149.72	-16.75	Pilot GETS
	08/10/15	132.97	151.82	-18.85	Pilot GETS
	09/03/15	132.97	153.33	-20.36	Pilot GETS
	10/06/15	132.97	154.65	-21.68	Pilot GETS
	11/02/15	132.97	150.00	-17.03	Pilot GETS
	12/03/15	132.97	147.21	-14.24	
	01/07/16	132.97	143.33	-10.36	
	02/01/16	132.97	142.55	-9.58	
	03/03/16	132.97	141.15	-8.18	Pilot GETS
	04/05/16	132.97	141.38	-8.41	Pilot GETS
	05/02/16	132.97	144.39	-11.42	Pilot GETS
	06/01/16	132.97	146.32	-13.35	Pilot GETS
	06/16/16	132.97	148.05	-15.08	Pilot GETS
	07/07/16	132.97	149.30	-16.33	Pilot GETS
	07/21/16	132.97	150.62	-17.65	Pilot GETS
	08/01/16	132.97	150.95	-17.98	Pilot GETS
	08/18/16	132.97	152.13	-19.16	Pilot GETS
	09/08/16	132.97	153.50	-20.53	Pilot GETS
	09/15/16	132.97	153.74	-20.77	Pilot GETS
	10/06/16	132.97	155.17	-22.20	Pilot GETS
	10/20/16	132.97	158.16	-25.19	Pilot GETS
	11/01/16	132.97	152.05	-19.08	Pilot GETS
	11/07/16	132.97	152.20	-19.23	Pilot GETS
	12/01/16	132.97	151.40	-18.43	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-02	12/15/16	132.97	148.93	-19.23	Pilot GETS
(Cont'd)	01/06/17	132.97	147.45	-14.48	Pilot GETS
	01/26/17	132.97	137.28	-4.31	Pilot GETS
	02/03/17	132.97	136.00	-3.03	Pilot GETS
	02/06/17	132.97	137.38	-4.41	Pilot GETS
	02/16/17	132.97	134.57	-1.60	Pilot GETS
	03/02/17	132.97	136.11	-3.14	Pilot GETS
	03/16/17	132.97	138.23	-5.26	Pilot GETS
	04/06/17	132.97	126.53	6.44	Pilot GETS
	04/20/17	132.97	128.52	4.45	Pilot GETS
	05/15/17	132.97	126.92	6.05	Pilot GETS
	05/18/17	132.97	133.57	-0.60	Pilot GETS
	06/15/17	132.97	136.11	-3.14	Pilot GETS
	07/06/17	132.97	134.74	-1.77	Pilot GETS
	07/20/17	132.97	139.46	-6.49	Pilot GETS
	08/03/17	132.97	138.91	-5.94	Pilot GETS
	08/07/17	132.97	138.73	-5.76	Pilot GETS
	08/17/17	132.97	153.51	-20.54	Pilot GETS
	09/01/17	132.97	134.88	-1.91	Pilot GETS
	09/14/17	132.97	130.22	2.75	Pilot GETS
	10/19/17	132.97	120.16	12.81	Pilot GETS
	11/06/17	132.97	116.26	16.71	Pilot GETS
	11/20/17	132.97	113.42	19.55	Pilot GETS
	12/04/17	132.97	111.35	21.62	Pilot GETS
	12/14/17	132.97	110.06	22.91	Pilot GETS
	01/04/18	132.97	107.58	25.39	Pilot GETS
	01/18/18	132.97	106.39	26.58	Pilot GETS
	02/15/18	132.97	111.04	21.93	Pilot GETS
	02/26/18	132.97	112.48	20.49	Pilot GETS
	03/15/18	132.97	113.83	19.14	Pilot GETS
	04/05/18	132.97	110.32	22.65	Pilot GETS
	05/03/18	132.97	113.76	19.21	Pilot GETS
	05/07/18	132.97	114.16	18.81	Pilot GETS
	05/17/18	132.97	114.93	18.04	Pilot GETS
	06/07/18	132.97	116.41	16.56	Pilot GETS
	07/05/18	132.97	118.30	14.67	Pilot GETS
	07/19/18	132.97	119.58	13.39	Pilot GETS
	08/02/18	132.97	120.55	12.42	Pilot GETS
	08/16/18	132.97	121.90	11.07	Pilot GETS
	08/20/18	132.97	122.12	10.85	Pilot GETS
	09/20/18	132.97	123.64	9.33	Pilot GETS
	10/05/18	132.97	124.58	8.39	Pilot GETS
	10/18/18	132.97	124.65	8.32	Pilot GETS
	11/01/18	132.97	125.39	7.58	Pilot GETS
	11/06/18	132.97	125.55	7.42	Pilot GETS
	11/15/18	132.97	125.91	7.06	Pilot GETS
	12/04/18	132.97	125.05	7.92	Pilot GETS
	12/19/18	132.97	124.48	8.49	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-02	01/03/19	132.97	123.31	9.66	Pilot GETS
(Cont'd)	01/24/19	132.97	121.15	11.82	Pilot GETS
	02/07/19	132.97	119.67	13.30	Pilot GETS
	02/11/19	132.97	113.19	19.78	Pilot GETS
	02/21/19	132.97	117.99	14.98	Pilot GETS
	03/05/19	132.97	117.09	15.88	Pilot GETS
	03/21/19	132.97	116.18	16.79	Pilot GETS
	04/04/19	132.97	115.69	17.28	Pilot GETS
	04/18/19	132.97	115.92	17.05	Pilot GETS
	05/02/19	132.97	116.86	16.11	Pilot GETS
	05/14/19	132.97	117.23	15.74	Pilot GETS
	05/16/19	132.97	117.04	15.93	Pilot GETS
	06/06/19	132.97	116.79	16.18	Pilot GETS
	06/20/19	132.97	118.08	14.89	Pilot GETS
	07/03/19	132.97	119.53	13.44	Pilot GETS
	07/18/19	132.97	118.93	14.04	Pilot GETS
	08/01/19	132.97	122.24	10.73	Pilot GETS
	08/12/19	132.97	123.08	9.89	Pilot GETS
	08/15/19	132.97	123.12	9.85	Pilot GETS
	09/05/19	132.97	125.62	7.35	Pilot GETS
	09/19/19	132.97	126.51	6.46	Pilot GETS
	10/04/19	132.97	127.46	5.51	Pilot GETS
	10/21/19	132.97	127.44	5.53	Pilot GETS
	11/06/19	132.97	127.37	5.60	Pilot GETS
	11/18/19	132.97	127.81	5.16	Pilot GETS
	11/21/19	132.97	128.26	4.71	Pilot GETS
	12/02/19	132.97	127.02	5.95	Pilot GETS
	12/19/19	132.97	124.02	8.95	Pilot GETS
	01/02/20	132.97	122.51	10.46	Pilot GETS
	01/16/20	132.97	122.59	10.38	Pilot GETS
	02/03/20	132.97	120.80	12.17	Pilot GETS
	02/06/20	132.97	121.72	11.25	Pilot GETS
	02/20/20	132.97	120.14	12.83	Pilot GETS
	03/05/20	132.97	119.44	13.53	Pilot GETS
	03/19/20	132.97	118.90	14.07	Pilot GETS
	04/02/20	132.97	115.97	17.00	Pilot GETS
	04/16/20	132.97	113.44	19.53	Pilot GETS
	05/07/20	132.97	112.21	20.76	Pilot GETS
	05/21/20	132.97	113.32	19.65	Pilot GETS
	05/26/20	132.97	113.25	19.72	Pilot GETS
	06/05/20	132.97	114.22	18.75	Pilot GETS
	06/18/20	132.97	114.82	18.15	Pilot GETS
	07/02/20	132.97	114.79	18.18	Pilot GETS
	07/16/20	132.97	114.72	18.25	Pilot GETS
	08/03/20	132.97	115.33	17.64	Pilot GETS
	08/06/20	132.97	115.28	17.69	Pilot GETS
	08/20/20	132.97	117.04	15.93	Pilot GETS
	09/03/20	132.97	118.78	14.19	Pilot GETS

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Regional Groundwater System Monitor and Extraction Wells (continued)					
EW-02	09/17/20	132.97	120.13	12.84	Pilot GETS
(Cont'd)	10/01/20	132.97	121.53	11.44	Pilot GETS
	10/15/20	132.97	122.62	10.35	Pilot GETS
	11/02/20	132.97	123.65	9.32	Pilot GETS
	11/05/20	132.97	123.38	9.59	Pilot GETS
	11/19/20	132.97	124.77	8.20	Pilot GETS
	12/03/20	132.97	125.06	7.91	Pilot GETS
	12/17/20	132.97	124.87	8.10	Pilot GETS
	01/07/21	132.97	124.51	8.46	Pilot GETS
	01/21/21	132.97	123.62	9.35	Pilot GETS
	02/04/21	132.97	122.10	10.87	Pilot GETS
	02/16/21	132.97	121.19	11.78	Pilot GETS
	02/18/21	132.97	121.73	11.24	Pilot GETS
Perched Zone Water Levels					
P-07	06/12/97	165.34	135.20	30.14	
	05/13/98	165.34	135.11	30.23	
	05/27/98	165.34	135.12	30.22	
	06/11/98	165.34	135.15	30.19	
	07/14/98	165.34	135.26	30.08	
	11/11/98	165.34	135.39	29.95	SVE, DPE-H2O
	11/18/98	165.34	135.42	29.92	SVE, DPE-H2O
	11/18/98	165.34	135.48	29.86	SVE, DPE-H2O
	11/19/98	165.34	135.36	29.98	SVE, DPE, DPE-H2O
	11/20/98	165.34	135.44	29.90	SVE, DPE-H2O
	11/23/98	165.34	135.36	29.98	SVE, DPE-H2O
	11/23/98	165.34	135.52	29.82	SVE, DPE-H2O
	11/24/98	165.34	135.53	29.81	SVE, DPE-H2O
	12/07/98	165.34	135.40	29.94	SVE, DPE-H2O
	12/07/98	165.34	135.52	29.82	SVE, DPE, DPE-H2O
	12/10/98	165.34	135.50	29.84	SVE, DPE, DPE-H2O
	12/11/98	165.34	135.37	29.97	SVE, DPE-H2O
	12/14/98	165.34	135.26	30.08	SVE, DPE-H2O
	12/14/98	165.34	135.27	30.07	SVE, DPE, DPE-H2O
	12/16/98	165.34	135.48	29.86	SVE, DPE, DPE-H2O
	01/06/99	165.34	135.36	29.98	
	01/20/99	165.34	135.20	30.14	DPE, DPE-H2O
	01/25/99	165.34	135.50	29.84	SVE, DPE, DPE-H2O
	01/27/99	165.34	135.51	29.83	SVE, DPE, DPE-H2O
	02/01/99	165.34	135.25	30.09	SVE, DPE, DPE-H2O
	02/10/99	165.34	135.56	29.78	
	02/23/99	165.34	135.17	30.17	DPE
	03/01/99	165.34	135.55	29.79	
	03/09/99	165.34	135.19	30.15	
	03/10/99	165.34	135.57	29.77	SVE, DPE, DPE-H2O
	03/12/99	165.34	135.51	29.83	SVE, DPE, DPE-H2O
	03/15/99	165.34	135.59	29.75	SVE, DPE, DPE-H2O
	03/17/99	165.34	135.54	29.80	SVE, DPE-H2O

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)					
P-07	03/29/99	165.34	135.34	30.00	SVE, DPE-H2O
(Cont'd)	04/07/99	165.34	DRY	--	SVE, DPE-H2O
	04/12/99	165.34	135.58	29.76	SVE, DPE-H2O
	04/23/99	165.34	135.22	30.12	SVE, DPE-H2O
	04/29/99	165.34	DRY	--	SVE, DPE-H2O
	05/17/99	165.34	135.66	29.68	SVE, DPE-H2O
	06/16/99	165.34	135.66	29.68	SVE, DPE-H2O
	06/25/99	165.34	135.28	30.06	DPE, DPE-H2O
	07/15/99	165.34	135.57	29.77	DPE-H2O
	08/30/99	165.34	135.58	29.76	5.6 inches water in vaccum
	09/27/99	165.34	135.58	29.76	5 inches water in vaccum
	11/02/99	165.34	135.56	29.78	
	11/09/99	165.34	135.73	29.61	
	11/23/99	165.34	135.27	30.07	
	11/23/99	165.34	135.13	30.21	
	11/23/99	165.34	135.14	30.20	
	12/06/99	165.34	135.70	29.64	
	01/26/00	165.34	136.71	28.63	
	02/07/00	165.34	135.49	29.85	
	07/05/00	165.34	135.03	30.31	
	01/16/01	145.52	115.25	30.27	
	03/19/01	145.52	115.34	30.18	
	03/26/01	145.52	115.24	30.28	
	04/03/01	145.52	115.30	30.22	
	04/10/01	145.52	115.20	30.32	
	04/17/01	145.52	115.20	30.32	
	04/26/01	145.52	115.30	30.22	
	05/10/01	145.52	115.35	30.17	
	06/26/01	145.52	115.16	30.36	
	09/10/01	142.31	111.91	30.40	
	10/24/01	142.31	112.04	30.27	
	01/15/02	142.31	111.98	30.33	
	03/19/02	142.31	111.92	30.39	
	04/15/02	142.31	112.04	30.27	
	10/31/02	142.31	112.13	30.18	
	11/18/02	142.31	112.11	30.20	
	05/08/03	142.31	112.48	29.83	
	06/09/03	142.31	112.94	29.37	
	09/15/03	142.31	113.65	28.66	
	09/25/03	142.31	113.75	28.56	
	10/14/03	142.31	113.82	28.49	
	12/15/03	142.31	114.04	28.27	
	03/29/04	142.31	112.42	29.89	
	06/14/04	142.31	113.91	28.40	Dry to 117.4 feet bls. Water level
	09/20/04	142.31	DRY	--	
	10/19/04	142.31	116.30	26.01	
	11/10/04	142.31	115.78	26.53	
	12/06/04	142.31	115.65	26.66	Dry @ 116.8 ft.

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)					
P-07	03/15/05	142.31	DRY	--	
(Cont'd)	06/20/05	142.31	114.50	27.81	Dry @ 115.0 ft bls.
	09/19/05	142.31	DRY	--	
	12/17/05	142.31	112.26	30.05	
	03/20/06	142.31	110.94	31.37	
	06/19/06	142.31	107.57	34.74	
	09/25/06	142.31	111.19	31.12	
	12/11/06	142.31	111.22	31.09	
	03/12/07	142.31	111.71	30.60	
	06/18/07	142.31	114.92	27.39	
	09/24/07	142.31	DRY	--	Dry @ 115.16 ft bls.
	12/10/07	142.31	DRY	--	
	03/17/08	142.31	114.58	27.73	
	06/23/08	142.31	114.13	28.18	
	09/22/08	142.31	113.85	28.46	
	12/15/08	142.31	113.47	28.84	
	03/16/09	142.31	113.13	29.18	
	06/22/09	142.31	112.81	29.50	
	08/31/09	142.31	112.67	29.64	
	12/07/09	142.31	112.52	29.79	
	03/01/10	142.31	112.34	29.97	
	03/03/10	142.31	112.42	29.89	
	06/07/10	142.31	112.24	30.07	
	09/07/10	142.31	112.51	29.80	
	12/06/10	142.31	112.27	30.04	
	03/24/11	142.31	111.51	30.80	
	06/20/11	142.31	111.36	30.95	
	08/01/11	142.31	111.31	31.00	
	10/31/11	142.31	111.28	31.03	
	02/06/12	142.31	111.01	31.30	
	05/07/12	142.31	110.72	31.59	
	08/06/12	142.31	111.39	30.92	
	11/05/12	142.31	112.34	29.97	
	02/04/13	142.31	111.50	30.81	
	05/13/13	142.31	111.40	30.91	
	08/12/13	142.31	113.15	29.16	
	11/11/13	142.31	112.58	29.73	
	02/03/14	142.31	112.22	30.09	
	05/19/14	142.31	112.55	29.76	
	08/18/14	142.31	112.83	29.48	
	11/04/14	142.31	113.00	29.31	
	02/02/15	142.31	112.81	29.50	
	05/11/15	142.31	112.99	29.32	
	08/10/15	142.31	113.59	28.72	
	11/02/15	142.31	113.60	28.71	
	02/01/16	142.31	113.38	28.93	
	05/02/16	142.31	113.73	28.58	
	08/01/16	142.31	114.27	28.04	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)					
P-07	11/07/16	142.31	114.91	27.40	
(Cont'd)	02/06/17	142.31	114.96	27.35	
	05/15/17	142.31	113.35	28.96	
	08/07/17	142.31	115.32	26.99	
	11/06/17	142.31	111.50	30.81	
	02/26/18	142.31	110.76	31.55	
	05/07/18	142.31	111.15	31.16	
	08/20/18	142.31	111.61	30.70	
	11/06/18	142.31	112.54	29.77	
	02/11/19	142.31	111.71	30.60	
	05/14/19	142.31	111.28	31.03	
	08/12/19	142.31	111.81	30.50	
	11/18/19	142.31	113.51	28.80	
	02/03/20	142.31	112.16	30.15	
	05/26/20	142.31	111.07	31.24	
	08/03/20	142.31	111.07	31.24	
	11/02/20	142.31	111.81	30.50	
	02/16/21	142.31	111.64	30.67	
P-09	09/15/03	183.86	121.85	62.01	
	10/08/03	183.86	121.68	62.18	
	10/14/03	183.86	121.53	62.33	
	12/15/03	183.86	122.09	61.77	
	03/29/04	183.86	122.03	61.83	
	06/14/04	183.86	122.29	61.57	
	09/20/04	183.86	122.49	61.37	
	11/10/04	183.86	122.00	61.86	
	12/06/04	183.86	121.85	62.01	
	03/14/05	183.86	121.45	62.41	
	06/20/05	183.86	121.50	62.36	
	09/19/05	183.86	121.34	62.52	
	12/17/05	183.86	121.32	62.54	
	03/20/06	183.86	121.20	62.66	
	06/19/06	183.86	120.96	62.90	
	09/25/06	183.86	120.85	63.01	
	12/12/06	183.86	120.94	62.92	
	03/12/07	183.86	120.93	62.93	
	06/18/07	183.86	120.80	63.06	
	09/24/07	183.86	120.91	62.95	
	12/10/07	183.86	120.84	63.02	
	03/17/08	183.86	120.76	63.10	
	06/23/08	183.86	120.73	63.13	
	09/22/08	183.86	120.83	63.03	
	12/15/08	183.86	120.64	63.22	
	03/16/09	183.86	120.70	63.16	
	06/22/09	183.86	120.66	63.20	
	08/31/09	183.86	120.75	63.11	
	12/07/09	183.86	120.80	63.06	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On
Perched Zone Water Levels (continued)					
P-09	03/01/10	183.86	120.74	63.12	
(Cont'd)	03/02/10	183.86	120.75	63.11	
	06/07/10	183.86	120.69	63.17	
	09/07/10	183.86	120.78	63.08	
	12/06/10	183.86	120.60	63.26	
	03/24/11	183.86	120.44	63.42	
	06/20/11	183.86	120.48	63.38	
	08/01/11	183.86	120.48	63.38	
	10/31/11	183.86	120.50	63.36	
	02/06/12	183.86	120.50	63.36	
	05/07/12	183.86	120.51	63.35	
	08/06/12	183.86	120.48	63.38	
	11/05/12	183.86	120.70	63.16	
	02/04/13	183.86	120.54	63.32	
	05/13/13	183.86	120.48	63.38	
	08/12/13	183.86	120.63	63.23	
	11/11/13	183.86	120.80	63.06	
	02/03/14	183.86	120.73	63.13	
	05/19/14	183.86	120.69	63.17	
	08/18/14	183.86	120.73	63.13	
	11/04/14	183.86	120.83	63.03	
	02/02/15	183.86	120.70	63.16	
	05/11/15	183.86	120.60	63.26	
	08/10/15	183.86	120.83	63.03	
	11/02/15	183.86	120.72	63.14	
	02/01/16	183.86	120.84	63.02	
	05/02/16	183.86	120.85	63.01	
	08/01/16	183.86	120.90	62.96	
	11/07/16	183.86	120.99	62.87	
	02/06/17	183.86	120.95	62.91	
	05/15/17	183.86	120.76	63.10	
	08/07/17	183.86	120.83	63.03	
	11/06/17	183.86	120.83	63.03	
	02/26/18	183.86	120.77	63.09	
	05/07/18	183.86	120.70	63.16	
	08/20/18	183.86	120.71	63.15	
	11/06/18	183.86	120.86	63.00	
	02/11/19	183.86	120.95	62.91	
	05/14/19	183.86	120.68	63.18	
	08/12/19	183.86	120.73	63.13	
	11/18/19	183.86	120.65	63.21	
	02/03/20	183.86	120.74	63.12	
	05/26/20	183.86	120.61	63.25	
	08/03/20	183.86	120.61	63.25	
	11/02/20	183.86	120.85	63.01	
	02/16/21	183.86	120.81	63.05	

TABLE D-1

HISTORICAL GROUNDWATER LEVELS

Well Identifier	Date Measured	Reference Point Elevation (a) (feet msl)	Depth to Water (feet bls)	Water Level Elevation (feet msl)	Remediation System On

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 D-2

HISTORICAL 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																
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
MW-06	02/20/19	ORG	< 0.50	**0.19 J**	**13**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-06	02/06/20	ORG	< 0.50	< 0.50	**8.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06	02/18/21	ORG	< 0.50	< 0.50	**5.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
MW-06 Historical Range* **			< 0.50 - < 5.0	< 0.50 - 0.19 J	< 0.50 - 13	< 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	< 0.20 - < 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

TABLE D-2

HISTORICAL 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-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
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	**370**	**3.2**	**0.66**	< 0.50	< 0.50	**82**	< 0.50	< 0.50	**12**
MW-08	12/20/05	SPT	< 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**

TABLE D-2

HISTORICAL 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-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**
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	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	05/10/18	ORG	< 0.50	< 0.50	**0.68**	< 0.50	< 0.50	**25**	**3.8**	< 0.50	< 0.50	< 0.50	**90**	**0.50**	< 0.50	**0.43**
MW-08	08/22/18	ORG	**0.28 J**	< 0.50	**0.56**	< 0.50	< 0.50	**19**	**6.7**	**0.19 J**	< 0.50	< 0.50	**120**	< 0.50	< 0.50	< 0.20
MW-08	11/07/18	ORG	**0.15 J**	< 0.50	**0.49 J**	**0.23 J**	< 0.50	**43 E**	**5.2**	**0.22 J**	< 0.50	< 0.50	**120**	< 0.50	< 0.50	**2.4**
MW-0800	11/07/18	FD	**0.15 J**	< 0.50	**0.47 J**	**0.22 J**	< 0.50	**34 E**	**4.6**	**0.20 J**	< 0.50	< 0.50	**110**	< 0.50	< 0.50	**2.0**
MW-08	11/07/18	SPT	**0.22 J**	< 0.50	**0.58 J**	**0.29 J**	< 0.50	**74 E**	**5.4**	< 1.0	< 1.0	< 1.0	**170**	< 10	< 1.0	**2.4**
MW-08	02/19/19	ORG	**0.10 J**	< 0.50	**0.43 J**	**0.44 J**	< 0.50	**75**	**3.8**	**0.24 J**	< 0.50	< 0.50	**93**	< 0.50	< 0.50	**6.7**
MW-08	05/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**47**	**3.3**	< 0.50	< 0.50	< 0.50	**75**	< 0.50	< 0.50	**3.4 E**

TABLE D-2

HISTORICAL 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-0800	05/15/19	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**53**	**3.9**	< 0.50	< 0.50	< 0.50	**77**	< 0.50	< 0.50	**3.7 E**
MW-08	05/15/19	SPT	< 0.50	< 0.50	**0.31 J**	< 0.50	< 0.50	**57**	**3.2**	< 0.50	< 0.50	< 0.50	**80**	< 0.50	< 0.50	< 1.0 E
MW-08	08/15/19	ORG	< 0.50	< 0.50	**0.52**	**0.56**	**0.22 J**	**59**	**5.6**	< 0.50	< 0.50	< 0.50	**85**	**0.19 J**	< 0.50	**3.6**
MW-08	11/19/19	ORG	< 0.50	< 0.50	**0.31 J**	< 0.50	< 0.50	**39**	**3.2**	< 0.50	< 0.50	< 0.50	**78**	< 0.50	< 0.50	**2.7**
MW-0800	11/19/19	FD	< 0.50	< 0.50	**0.31 J**	< 0.50	< 0.50	**39**	**3.2**	< 0.50	< 0.50	< 0.50	**78**	< 0.50	< 0.50	**2.7**
MW-08	11/19/19	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**33**	**3.6**	< 0.50	< 0.50	< 0.50	**76**	< 0.50	< 0.50	**2.7**
MW-08	02/05/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27 E**	**2.2**	< 0.50	< 0.50	< 0.50	**53**	< 0.50	< 0.50	**0.94**
MW-0800	02/05/20	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26 E**	**2.3**	< 0.50	< 0.50	< 0.50	**51**	< 0.50	< 0.50	**1.6**
MW-08	02/05/20	SPT	< 0.50	< 0.50	**0.21 J**	**0.11 J**	< 0.50	**19 E**	**2.2**	< 0.50	< 0.50	< 0.50	**50**	< 0.50	< 0.50	**2.1**
MW-08	05/27/20	ORG	< 0.50	< 0.50	**0.32 J**	< 0.50	< 0.50	**21**	**1.8**	**2.6**	< 0.50	< 0.50	**47**	**0.30 J**	< 0.50	**1.3**
MW-08	08/05/20	ORG	< 0.50	< 0.50	**0.40 J**	< 0.50	< 0.50	**23**	**2.5**	**0.11 J**	< 0.50	< 0.50	**56**	< 0.50	< 0.50	**2.1**
MW-08	11/03/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	**2.6**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	**0.22 J**	**1.9**
MW-0800	11/03/20	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**27**	**2.5**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	**0.17 J**	**1.9**
MW-08	11/03/20	SPT	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**	**2.3**	< 0.50	< 0.50	< 0.50	**52**	< 0.50	< 0.50	**1.4**
MW-08	02/19/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**19**	**1.8**	< 0.50	< 0.50	< 0.50	**42**	< 0.50	< 0.50	**2.6**
MW-08 Historical Range* **			< 0.50 - 0.95	< 0.50 - 0.50	< 0.50 - 0.86	< 0.50 - 5.1	< 0.50 - 0.99	< 0.50 - 500	< 0.50 - 13	< 0.50 - 2.6	< 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**
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**

TABLE D-2

HISTORICAL 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	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**
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	08/23/18	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	02/15/19	ORG	< 0.50	< 0.50	< 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	08/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.78**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.34**
MW-09	02/07/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.25**
MW-09	08/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-09	02/18/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.35 J**	< 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	`	**1.3**	< 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

TABLE D-2

HISTORICAL 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-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	02/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.15 J**	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.20
MW-13	02/05/20	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	< 0.20
MW-13	02/19/21	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-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 - 0.15 J	< 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
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

TABLE D-2

HISTORICAL 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-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
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

TABLE D-2

HISTORICAL 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-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
MW-15	08/21/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.9**	< 0.50	< 0.50	< 0.50	< 0.50	**0.89**	**3.1**	< 0.50	NA
MW-15	02/13/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**5.9**	< 0.50	NA
MW-15	08/16/19	ORG	< 0.50	< 0.50	**0.17 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	**11**	< 0.50	NA
MW-15	02/05/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.4**	**9.1**	< 0.50	NA
MW-15	08/05/20	ORG	< 0.50	< 0.50	**0.22 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	**13**	< 0.50	NA
MW-15	02/19/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.42 J**	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**	**12**	< 0.50	NA
MW-15 Historical Range* **			< 0.50 - < 5.0	< 0.50 - < 5.0	< 0.50 - 0.22 J	< 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**
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**

TABLE D-2

HISTORICAL 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	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**
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**

TABLE D-2

HISTORICAL 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	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	08/22/18	ORG	< 2.5	< 2.5	< 2.5	**4.2**	< 2.5	**580**	< 2.5	< 2.5	< 2.5	< 2.5	**4.1**	< 2.5	< 2.5	**60**
MW-16	02/20/19	ORG	< 1.0	< 1.0	**0.46 J**	**4.8**	**0.68 J**	**640**	**0.32 J**	**1.1**	< 1.0	**0.76 J**	**5.1**	< 1.0	< 1.0	**81**
MW-16	08/19/19	ORG	< 2.5	< 2.5	< 2.5	**11**	< 2.5	**1,400**	< 2.5	< 2.5	< 2.5	< 2.5	**7.8**	< 2.5	< 2.5	**89**
MW-16	02/06/20	ORG	< 2.5	< 2.5	< 2.5	**5.2**	< 2.5	**1,100**	< 2.5	**1.0 J**	< 2.5	< 2.5	**5.3**	< 2.5	< 2.5	**71**
MW-16	08/05/20	ORG	< 0.50	**0.32 J**	**0.47 J**	**3.7**	**0.41 J**	**590**	**0.28 J**	**0.80**	< 0.50	**0.66**	**3.5**	< 0.50	< 0.50	**62**
MW-16	02/22/21	ORG	< 0.50	< 0.50	**0.34 J**	**4.8**	< 0.50	**990 E**	< 0.50	**1.4**	< 0.50	**0.85**	**5.8**	< 0.50	< 0.50	**35 E**
MW-1600	02/22/21	FD	< 0.50	**0.46 J**	**0.25 J**	**4.9**	**0.59**	**1,100 E**	< 0.50	**1.6**	< 0.50	< 0.50	**6.0**	< 0.50	< 0.50	**72 E**
MW-16	02/22/21	SPT	< 0.50	**0.51**	**0.49 J**	**5.6**	**0.68**	**730 E**	**0.31 J**	**1.6**	< 0.50	**0.74**	**6.1**	< 0.50	< 0.50	**78 E**
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 - 7.8	< 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
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

TABLE D-2

HISTORICAL 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-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	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
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

TABLE D-2

HISTORICAL 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-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	08/21/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.90**	< 0.50	< 0.20
MW-18	02/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.12 J**	< 0.50	< 0.50	< 0.50	**0.76**	< 0.50	< 0.20
MW-18	08/15/19	ORG	< 0.50	< 0.50	< 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-18	02/05/20	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	**0.80**
MW-18	08/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	< 0.20
MW-18	02/19/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.72**	< 0.50	< 0.20
MW-18 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 0.51	< 0.50 - 1.2	< 0.50 - 0.12 J	< 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	02/06/20	ORG	< 0.50	< 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

TABLE D-2

HISTORICAL 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-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
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	08/21/18	ORG	< 0.50	< 0.50	**0.57**	< 0.50	< 0.50	**3.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.22 J**	< 0.20
MW-2000	08/21/18	FD	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	**3.5**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/21/18	SPT	< 0.50	< 0.50	**0.56 J**	< 1.0	< 0.50	**3.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10.0	< 1.0	< 1.0
MW-20	02/20/19	ORG	< 0.50	< 0.50	**0.53**	< 0.50	< 0.50	**5.3**	< 0.50	**0.14 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/19/19	ORG	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	**2.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.09 J**
MW-20	02/05/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	08/04/20	ORG	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	**0.93**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20	02/19/21	ORG	< 0.50	< 0.50	**0.84**	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-20 Historical Range* **			< 0.50	< 0.50	< 0.50 - 1.5	< 0.50	< 0.50	< 0.50 - 82	< 0.50	< 0.50 - 0.14 J	< 0.50 - 0.63	< 0.50	< 0.50	< 0.50 - 0.58	<0.50 - 0.22 J	< 0.20 - 3.9

TABLE D-2

HISTORICAL 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-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**
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**

TABLE D-2

HISTORICAL 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-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**
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**

TABLE D-2

HISTORICAL 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-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**
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	05/08/18	ORG	< 2.5	< 2.5	< 2.5	**9.2**	< 2.5	**710**	< 2.5	**2.6**	< 2.5	**2.6**	**11**	< 2.5	< 2.5	**73**
MW-2100	05/08/18	FD	< 2.5	< 2.5	< 2.5	**9.2**	< 2.5	**760**	< 2.5	**3.3**	< 2.5	**2.2 J**	**11**	< 2.5	< 2.5	**76**
MW-21	05/08/18	SPT	< 2.5	< 2.5	< 5.0	**8.9**	< 2.5	**720**	< 5.0	**2.7 J**	< 5.0	**2.6 J**	**12**	< 50	< 5.0	**69**
MW-21	08/24/18	ORG	< 2.5	< 2.5	**1.1 J**	**14**	< 2.5	**920**	< 2.5	**3.0**	< 2.5	**5.6**	**16**	< 2.5	< 2.5	**200**
MW-21	11/06/18	ORG	< 2.5	< 2.5	**1.0 J**	**13 E**	**2.4 J**	**880**	**1.2 J**	**3.4**	< 2.5	**6.0**	**15 E**	< 2.5	< 2.5	**310**
MW-2100	11/06/18	FD	< 2.5	< 2.5	**1.0 J**	**12 E**	**2.4 J**	**630**	**1.2 J**	**3.4**	< 2.5	**5.8**	**16 E**	< 2.5	< 2.5	**300**
MW-21	11/06/18	SPT	< 1.0	**0.55**	**1.3**	**19 E**	**2.9**	**1200**	**1.2**	**3.9**	< 1.0	**7.8**	**22 E**	< 10	< 1.0	**200**
MW-21	02/13/19	ORG	< 2.5	< 2.5	< 2.5	**16**	**3.3**	**840**	< 2.5	**3.0**	< 2.5	**8.8**	**12**	< 2.5	< 2.5	**670**
MW-21	05/16/19	ORG	< 2.5	< 2.5	< 2.5	**16**	< 2.5	**1200**	**1.2 J**	< 2.5	< 2.5	**9.8**	**11**	< 2.5	< 2.5	**800**
MW-21	08/15/19	ORG	< 0.50	< 0.50	**1.6**	**19**	**3.4**	**970**	**2.2**	**2.7**	< 0.50	**8.5**	**20**	**0.47 J**	< 0.50	**510**
MW-21	11/20/19	ORG	< 0.50	< 0.50	**0.70**	**9.3**	< 0.50	**450**	**1.1**	**2.0**	< 0.50	**4.0**	**20**	< 0.50	< 0.50	**360**
MW-21	02/06/20	ORG	< 0.50	< 0.50	< 0.50	**9.9**	< 0.50	**740**	**0.92**	**2.3**	< 0.50	**5.8**	**17**	**0.40 J**	< 0.50	**460**
MW-21	05/26/20	ORG	< 0.50	< 0.50	**1.8**	**22**	**5.0**	**830**	**1.2**	**4.6**	< 0.50	**11**	**15**	< 0.50	< 0.50	**740**
MW-21	08/06/20	ORG	< 0.50	**0.60**	**2.0**	**29**	**4.9**	**1,600**	**1.3**	**4.5**	< 0.50	**14**	**14**	**0.31 J**	< 0.50	**700**
MW-21	11/03/20	ORG	< 0.50	**0.26 J**	**0.60**	**8.2**	**1.7**	**930**	**1.0**	**1.8**	< 0.50	**5.3**	**14**	**0.27 J**	< 0.50	**600**
MW-21	02/18/21	ORG	< 0.50	**0.49 J**	**1.1**	**16**	**4.1**	**1,500**	**1.2**	**3.6**	< 0.50	**9.6**	**15**	**0.41 J**	< 0.50	**610**
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 - < 25	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

TABLE D-2

HISTORICAL 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	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
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	02/04/20	ORG	< 0.50	< 0.50	< 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	< 0.20 - < 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

TABLE D-2

HISTORICAL 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-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	02/04/20	ORG	< 0.50	< 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
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

TABLE D-2

HISTORICAL 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-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	02/13/19	ORG	< 0.50	< 0.50	< 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	02/06/20	ORG	< 0.50	< 0.50	< 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	02/17/21	ORG	< 0.50	< 0.50	< 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
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

TABLE D-2

HISTORICAL 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-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
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

TABLE D-2

HISTORICAL 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-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**
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**

TABLE D-2

HISTORICAL 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-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	05/10/18	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	08/21/18	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	11/07/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-26C	02/12/19	ORG	< 0.50	< 0.50	< 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	05/15/19	ORG	< 0.50	< 0.50	< 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	08/14/19	ORG	< 0.50	< 0.50	< 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	11/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.05 J**
MW-26C	02/05/20	ORG	< 0.50	< 0.50	< 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 D-2

HISTORICAL 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-26C	05/27/20	ORG	< 0.50	< 0.50	< 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	08/04/20	ORG	< 0.50	< 0.50	< 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	11/03/20	ORG	< 0.50	< 0.50	< 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	02/18/21	ORG	< 0.50	< 0.50	< 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
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	02/14/19	ORG	< 0.50	< 0.50	< 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	02/04/20	ORG	< 0.50	< 0.50	< 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	02/17/21	ORG	< 0.50	< 0.50	< 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

TABLE D-2

HISTORICAL 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-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**
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**

TABLE D-2

HISTORICAL 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-28	05/08/18	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	< 0.20
MW-28	08/22/18	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	< 0.20
MW-28	11/07/18	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-28	02/12/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.71**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	05/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.08 J**
MW-28	08/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.90**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.21**
MW-28	11/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.19 J**
MW-28	02/04/20	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.37 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	08/04/20	ORG	< 0.50	< 0.50	**0.13 J**	< 0.50	< 0.50	**0.38 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	11/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.83**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-28	02/17/21	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	< 0.20
MW-28 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.20 J	< 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**
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**

TABLE D-2

HISTORICAL 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	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**
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**

TABLE D-2

HISTORICAL 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	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**
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**
MW-29	03/15/18	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**110**	< 0.50	**0.62**	< 0.50	< 0.50	**1.2**	**0.54**	< 0.50	**40**
MW-29	03/29/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	**0.57**	< 0.50	**0.57**	**1.3**	< 0.50	< 0.50	**66**
MW-29	04/05/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.49	**120**	< 0.50	**0.57**	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	**31**
MW-29	04/19/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**120**	< 0.50	**0.55**	< 0.50	**0.51**	**1.2**	< 0.50	< 0.50	**27**
MW-29	05/03/18	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**100**	< 0.50	**0.58**	< 0.50	**0.53**	**1.3**	**0.55**	< 0.50	**43**
MW-29	05/17/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**	**0.50**	< 0.50	**47**
MW-29	06/07/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	< 0.50	**44**

TABLE D-2

HISTORICAL 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	06/21/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	**0.58**	< 0.50	**47**
MW-29	07/05/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	**0.51**	< 0.50	**56**
MW-29	07/19/18	ORG	< 0.50	< 0.50	< 0.50	**0.85**	< 0.50	**170**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**0.62**	< 0.50	**61**
MW-29	08/02/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	**0.53**	< 0.50	**65**
MW-29	08/16/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	**0.53**	**1.6**	< 0.50	< 0.50	**62**
MW-29	09/11/18	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	**0.53**	**1.6**	< 0.50	< 0.50	**70**
MW-29	09/20/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	**0.52**	< 0.50	< 0.50	**1.7**	**0.62**	< 0.50	**72**
MW-29	10/05/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**110**	< 0.50	< 0.50	< 0.50	**0.51**	**1.5**	**0.52**	< 0.50	**97**
MW-29	11/15/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	**140**
MW-29	12/04/18	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**150**	< 0.50	**0.50**	< 0.50	**0.62**	**1.9**	**0.79**	< 0.50	**72**
MW-29	12/19/18	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	**0.58**	**1.8**	**0.78**	< 0.50	**91**
MW-29	01/03/19	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**100**	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	**0.60**	< 0.50	**110**
MW-29	01/24/19	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**150**	< 0.50	**0.59**	< 0.50	**0.52**	**1.8**	**0.87**	< 0.50	**110**
MW-29	02/07/19	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	**0.62**	**1.7**	**0.72**	< 0.50	**93**
MW-29	02/21/19	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	**0.66**	**1.6**	**0.60**	< 0.50	**120**
MW-29	03/05/19	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**100**	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	**110**
MW-29	03/21/19	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	< 0.50	**100**
MW-29	04/04/19	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**150**	< 0.50	**0.51**	< 0.50	< 0.50	**1.3**	< 0.50	< 0.50	**100**
MW-29	04/18/19	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**160**	< 0.50	**0.54**	< 0.50	**0.66**	**1.8**	< 0.50	< 0.50	**100**
MW-29	05/02/19	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**110**	< 0.50	**0.51**	< 0.50	**0.69**	**1.7**	< 0.50	< 0.50	**110**
MW-29	05/16/19	ORG	< 0.50	< 0.50	< 0.50	**0.86**	< 0.50	**120**	< 0.50	< 0.50	< 0.50	**0.61**	**2.0**	< 0.50	< 0.50	**110**
MW-29	06/06/19	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	**100**
MW-29	06/20/19	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**150**	< 0.50	**0.50**	< 0.50	**0.64**	**1.8**	< 0.50	< 0.50	**92**
MW-29	07/03/19	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**99**	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	**100**
MW-29	07/18/19	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**100**	< 0.50	**0.54**	< 0.50	< 0.50	**2.1**	**0.82**	< 0.50	**110**
MW-29	08/01/19	ORG	< 0.50	< 0.50	< 0.50	**3.0**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.50	**110**
MW-29	08/15/19	ORG	< 0.50	< 0.50	< 0.50	**2.7**	< 0.50	**170**	< 0.50	**0.69**	< 0.50	**0.64**	**2.3**	**1.2**	< 0.50	**120**
MW-29	09/05/19	ORG	< 0.50	< 0.50	< 0.50	**3.9**	< 0.50	**220**	< 0.50	< 0.50	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	**130**
MW-29	09/19/19	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**150**	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	**0.64**	< 0.50	**120**
MW-29	10/04/19	ORG	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**0.62**	< 0.50	**110**
MW-29	10/21/19	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**150**	< 0.50	**0.55**	< 0.50	**0.56**	**1.8**	< 0.50	< 0.50	**86**
MW-29	11/06/19	ORG	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**140**	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	**100**
MW-29	11/21/19	ORG	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**180**	< 0.50	**0.57**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**130**
MW-29	12/02/19	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**180**	< 0.50	< 0.50	< 0.50	< 0.50	**2.0**	**0.91**	< 0.50	**120**
MW-29	12/19/19	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**110**	< 0.50	**0.55**	< 0.50	**0.53**	**2.5**	< 0.50	< 0.50	**100**
MW-29	01/02/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	**0.61**	**1.8**	**1.9**	< 0.50	**91**
MW-29	01/16/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**140**	< 0.50	**0.52**	< 0.50	< 0.50	**1.8**	**0.94**	< 0.50	**100**
MW-29	02/06/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**190**	< 0.50	< 0.50	< 0.50	**0.57**	**1.7**	**1.2**	< 0.50	**100**
MW-29	02/20/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**160**	< 0.50	< 0.50	< 0.50	**0.55**	**1.7**	**1.2**	< 0.50	**120**
MW-29	03/05/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**160**	< 0.50	**0.62**	< 0.50	**0.64**	**1.8**	**1.2**	< 0.50	**120**
MW-29	03/19/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**170**	< 0.50	**0.52**	< 0.50	**0.56**	**1.6**	**1.1**	< 0.50	**110**
MW-29	04/02/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	**0.53**	< 0.50	< 0.50	**1.4**	**0.61**	< 0.50	**75**
MW-29	04/16/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.57**	< 0.50	**81**

TABLE D-2

HISTORICAL 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	05/07/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	**0.50**	**1.3**	**0.69**	< 0.50	**95**
MW-29	05/21/20	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**130**	< 0.50	**0.86**	< 0.50	< 0.50	**1.2**	**0.51**	< 0.50	**91**
MW-29	06/05/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	**0.70**	**1.6**	**0.57**	< 0.50	**91**
MW-29	06/18/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**150**	< 0.50	**0.51**	< 0.50	**0.62**	**1.4**	**0.69**	< 0.50	**83**
MW-29	07/02/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**150**	< 0.50	**0.52**	< 0.50	**0.51**	**1.6**	< 0.50	< 0.50	**78**
MW-29	07/16/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**1.2**	**0.63**	< 0.50	**83**
MW-29	08/06/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**	**0.63**	< 0.50	**78**
MW-29	08/20/20	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**130**	< 0.50	**0.58**	< 0.50	< 0.50	**1.5**	**0.57**	< 0.50	**75**
MW-29	09/03/20	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**97**	< 0.50	**0.76**	< 0.50	< 0.50	**1.5**	< 0.50	< 0.50	**81**
MW-29	09/17/20	ORG	< 0.50	**1.8**	< 0.50	**1.5**	< 0.50	**130**	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**	**1.8**	< 0.50	**94**
MW-29	10/01/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**160**	< 0.50	**0.53**	< 0.50	**0.52**	**1.8**	**0.77**	< 0.50	**87**
MW-29	10/15/20	ORG	< 0.50	< 0.50	< 0.50	**1.6**	< 0.50	**180**	< 0.50	**0.51**	< 0.50	< 0.50	**2.1**	**0.90**	< 0.50	**100**
MW-29	11/05/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**170**	< 0.50	**0.50**	< 0.50	**0.57**	**2.0**	**0.90**	< 0.50	**100**
MW-29	11/19/20	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**180**	< 0.50	**0.61**	< 0.50	**0.56**	**2.4**	**1.2**	< 0.50	**96**
MW-29	12/03/20	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**180**	< 0.50	**0.54**	< 0.50	**0.66**	**2.2**	**0.96**	< 0.50	**100**
MW-29	12/17/20	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**140**	< 0.50	**0.55**	< 0.50	**0.60**	**2.0**	**0.72**	< 0.50	**96**
MW-29	01/07/21	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**170**	< 0.50	**0.60**	< 0.50	**0.65**	**2.1**	**1.3**	< 0.50	**90**
MW-29	01/21/21	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**170**	< 0.50	< 0.50	< 0.50	**0.64**	**2.0**	**0.96**	< 0.50	**88**
MW-29	02/04/21	ORG	< 0.50	< 0.50	< 0.50	**1.8**	< 0.50	**220**	< 0.50	**0.59**	< 0.50	**0.73**	**2.2**	**1.3**	< 0.50	**75**
MW-29	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**160**	< 0.50	**0.61**	< 0.50	**0.54**	**1.9**	**0.89**	< 0.50	**120**
MW-29 Historical Range* **			< 0.50 - 0.57	< 0.50 - 1.8	< 0.50 - 0.80	< 0.50 - 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	< 0.50 - 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

TABLE D-2

HISTORICAL 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-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
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	05/09/18	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	08/22/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	< 0.20
MW-30A	11/07/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.20 J**	< 0.50	< 0.50	< 0.50	< 0.50	**0.54**	< 0.50	< 0.50	< 0.20
MW-30A	02/12/19	ORG	< 0.50	< 0.50	< 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	05/15/19	ORG	< 0.50	< 0.50	< 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	08/13/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.06 J**
MW-30A	11/20/19	ORG	< 0.50	< 0.50	< 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	02/04/20	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.14 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-30A	08/06/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.36 J**	< 0.50	< 0.50	< 0.20
MW-30A	11/03/20	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-30A	02/17/21	ORG	< 0.50	< 0.50	< 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**

TABLE D-2

HISTORICAL 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	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
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**

TABLE D-2

HISTORICAL 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	11/03/15	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**
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	05/09/18	ORG	< 0.50	< 0.50	**0.30 J**	< 0.50	< 0.50	**19**	**6.9**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	< 0.20
MW-30B	08/23/18	ORG	< 0.50	< 0.50	**0.34 J**	< 0.50	< 0.50	**16**	**5.2**	< 0.50	< 0.50	< 0.50	**82**	< 0.50	< 0.50	**0.52**
MW-3000B	08/23/18	FD	< 0.50	< 0.50	**0.34 J**	< 0.50	< 0.50	**16**	**5.4**	< 0.50	< 0.50	< 0.50	**84**	< 0.50	**0.18 J**	**0.12 J**
MW-30B	08/23/18	SPT	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	**17**	**4.9**	< 1.0	< 1.0	< 1.0	**88**	<10.0	< 1.0	**0.33 J**
MW-30B	11/07/18	ORG	< 0.50	< 0.50	**0.43 J**	< 0.50	< 0.50	**20**	**4.9**	< 0.50	< 0.50	< 0.50	**80**	< 0.50	< 0.50	**0.49**
MW-30B	02/12/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**	**4.5**	< 0.50	< 0.50	< 0.50	**82**	< 0.50	< 0.50	**0.60**
MW-3000B	02/12/19	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	**4.3**	< 0.50	< 0.50	< 0.50	**79**	< 0.50	< 0.50	**0.51**
MW-30B	02/12/19	SPT	< 1.0	< 0.50	**0.40 J**	< 1.0	**0.23 J**	**18**	**5.1**	< 1.0	< 1.0	< 1.0	**92**	< 10	< 1.0	< 1.0
MW-30B	05/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**17**	**4.4**	< 0.50	< 0.50	< 0.50	**76**	< 0.50	< 0.50	**0.58**
MW-30B	08/13/19	ORG	< 0.50	< 0.50	**0.77**	< 0.50	< 0.50	**28**	**8.2**	< 0.50	< 0.50	< 0.50	**87**	< 0.50	< 0.50	**0.92**
MW-30B	11/20/19	ORG	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	**20**	**4.3**	< 0.50	< 0.50	< 0.50	**92**	< 0.50	< 0.50	**0.78**
MW-30B	02/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**26**	**4.8**	< 0.50	< 0.50	< 0.50	**100**	< 0.50	< 0.50	**0.56**
MW-30B	05/27/20	ORG	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	**28**	**5.0**	**0.51**	< 0.50	< 0.50	**100**	< 0.50	< 0.50	**0.37**
MW-30B	08/06/20	ORG	< 0.50	< 0.50	**0.40 J**	**0.15 J**	< 0.50	**20**	**5.0**	< 0.50	< 0.50	< 0.50	**92**	< 0.50	< 0.50	**0.38**
MW-30B	11/03/20	ORG	< 0.50	< 0.50	**0.34 J**	< 0.50	< 0.50	**24**	**4.8**	< 0.50	< 0.50	< 0.50	**100**	< 0.50	< 0.50	**0.43**
MW-3000B	11/03/20	FD	< 0.50	< 0.50	**0.35 J**	< 0.50	< 0.50	**23**	**4.9**	< 0.50	< 0.50	< 0.50	**110**	< 0.50	< 0.50	**0.43**
MW-30B	11/03/20	SPT	< 0.50	< 0.50	**0.36 J**	< 0.50	< 0.50	**19**	**4.5**	< 0.50	< 0.50	< 0.50	**89**	< 0.50	< 0.50	< 0.50
MW-30B	02/17/21	ORG	< 0.50	< 0.50	**0.19 J**	< 0.50	< 0.50	**21**	**4.6**	< 0.50	< 0.50	< 0.50	**95**	< 0.50	< 0.50	< 0.20
MW-30B Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.77	< 0.50	< 0.50	< 0.50 - 28	< 0.50 - 8.2	< 0.50 - 0.51	< 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**

TABLE D-2

HISTORICAL 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-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**
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**

TABLE D-2

HISTORICAL 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-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**
MW-31	05/09/18	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**78**	**0.46 J**	< 0.50	< 0.50	< 0.50	**7.4**	< 0.50	**0.26 J**	**2.6**
MW-31	08/23/18	ORG	< 0.50	< 0.50	**0.20 J**	**1.5**	< 0.50	**140**	**0.51**	**0.19 J**	< 0.50	**0.34 J**	**8.4**	< 0.50	**0.36 J**	**4.7**
MW-31	11/30/18	ORG	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	**240**	**0.68**	< 0.50	< 0.50	< 0.50	**11**	< 0.50	< 0.50	**8.8**
MW-31	02/14/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**57**	< 0.50	< 0.50	< 0.50	< 0.50	**6.0**	< 0.50	**0.70**	< 2.0
MW-31	05/16/19	ORG	< 0.50	< 0.50	< 0.50	**0.12 J**	< 0.50	**66**	**0.30 J**	< 0.50	< 0.50	< 0.50	**6.0**	< 0.50	< 0.50	**3.8**
MW-31	08/13/19	ORG	< 0.50	< 0.50	**0.58**	**5.0**	**0.51**	**330**	**3.0 E**	**2.4 E**	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**11 E**
MW-3100	08/13/19	FD	< 0.50	< 0.50	**0.55**	**5.2**	< 0.50	**290**	**3.0 E**	**2.4 E**	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**11 E**
MW-31	08/13/19	SPT	< 0.50	**0.15 J**	**0.44 J**	**3.0**	**0.27 J**	**290**	**0.81 E**	**0.53 E**	< 0.50	**0.55**	**13**	< 0.50	**0.22 J**	**17 E**
MW-31	11/19/19	ORG	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	**330**	**0.76**	< 0.50	< 0.50	< 0.50	**11**	< 0.50	**0.20 J**	**13**
MW-3100	11/19/19	FD	< 0.50	< 0.50	< 0.50	**2.4**	< 0.50	**320**	**0.67**	< 0.50	< 0.50	< 0.50	**11**	< 0.50	**0.15 J**	**15**
MW-31	11/19/19	SPT	< 0.50	< 0.50	< 0.50	**2.5**	< 0.50	**230**	**0.75**	**0.54**	< 0.50	< 0.50	**11**	< 0.50	< 0.50	**9.5**
MW-31	02/06/20	ORG	< 0.50	< 0.50	< 0.50	**0.43 J**	< 0.50	**69**	**0.18 J**	< 0.50	< 0.50	< 0.50	**5.7**	< 0.50	< 0.50	**4.1**
MW-31	05/28/20	ORG	< 0.50	< 0.50	< 0.50	**0.25 J**	< 0.50	**38**	**0.51**	**0.20 J**	< 0.50	< 0.50	**3.8**	< 0.50	**0.17 J**	**2.1**
MW-3100	05/28/20	FD	< 0.50	< 0.50	< 0.50	**0.22 J**	< 0.50	**43**	< 0.50	< 0.50	< 0.50	< 0.50	**3.5**	< 0.50	< 0.50	**2.2**
MW-31	05/28/20	SPT	< 0.50	< 0.50	< 0.50	**0.25 J**	< 0.50	**41**	**0.15 J**	< 0.50	< 0.50	< 0.50	**3.8**	< 0.50	< 0.50	**2.1**
MW-31	08/06/20	ORG	< 0.50	< 0.50	**0.15 J**	**1.2**	< 0.50	**150**	**0.30 J**	**0.19 J**	< 0.50	< 0.50	**6.7**	< 0.50	**0.21 J**	**6.6**
MW-3100	08/06/20	FD	< 0.50	< 0.50	**0.16 J**	**1.2**	< 0.50	**170**	**0.31 J**	**0.11 J**	< 0.50	< 0.50	**6.5**	< 0.50	**0.38 J**	**6.3**
MW-31	08/06/20	SPT	< 2.0	< 2.0	**0.34 J**	**1.2 J**	< 2.0	**110**	< 2.0	< 2.0	< 2.0	< 2.0	**5.1**	< 2.0	< 2.0	**4.1**
MW-31	11/03/20	ORG	< 0.50	< 0.50	**0.20 J**	**2.4**	< 0.50	**350**	**0.67**	**0.51**	< 0.50	**0.52**	**13**	< 0.50	**0.25 J**	**15**
MW-31	02/19/21	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**60**	**0.21 J**	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	**0.14 J**	**6.3**
MW-3100	02/19/21	FD	< 0.50	< 0.50	< 0.50	**0.53**	< 0.50	**62**	**0.30 J**	< 0.50	< 0.50	< 0.50	**6.2**	< 0.50	**0.14 J**	**5.9**
MW-31	02/19/21	SPT	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**63**	< 0.50	< 0.50	< 0.50	< 0.50	**6.7**	< 0.50	< 0.50	**4.4**
MW-31 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.58	< 0.50 - 5.0	< 0.50 - 0.51	25 - 430	< 0.50 - 3.0E	< 0.50 - 2.4E	< 0.50	< 0.50 - 1.2	0.50 - 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

TABLE D-2

HISTORICAL 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	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
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	08/21/18	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	02/14/19	ORG	< 0.50	< 0.50	< 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	08/13/19	ORG	< 0.50	< 0.50	< 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	02/04/20	ORG	< 0.50	< 0.50	< 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	08/04/20	ORG	< 0.50	< 0.50	< 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	02/18/21	ORG	< 0.50	< 0.50	< 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**

TABLE D-2

HISTORICAL 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	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**
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	**150**	**5.6**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	< 0.50	**2.9**
MW-32B	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_1.5SV	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_1.5SV	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_1.5SV	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_1.5SV	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**

TABLE D-2

HISTORICAL 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-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, 1.5 SV	05/10/18	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**93**	**3.5**	< 0.50	< 0.50	< 0.50	**34**	< 0.50	< 0.50	**1.4**
MW-32B	05/10/18	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**120**	**3.7**	< 0.50	< 0.50	< 0.50	**38**	< 0.50	< 0.50	**1.6**
MW-32B_1.5SV	08/22/18	ORG	< 0.50	< 0.50	< 0.50	**1.4**	< 0.50	**160**	**4.6**	< 0.50	< 0.50	< 0.50	**51**	< 0.50	< 0.50	**2.7**
MW-32B	08/22/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**100**	**4.0**	< 0.50	< 0.50	< 0.50	**44**	< 0.50	**0.14 J**	**1.8**
MW-32B_1.5SV	11/07/18	ORG	< 0.50	< 0.50	< 0.50	**1.5**	< 0.50	**130**	**4.5**	< 0.50	< 0.50	< 0.50	**53**	< 0.50	< 0.50	**5.2**
MW-32B	11/07/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**140**	**3.9**	< 0.50	< 0.50	< 0.50	**45**	< 0.50	< 0.50	**6.9**
MW-32B_1.5SV	02/14/19	ORG	< 0.50	< 0.50	< 0.50	**0.88**	< 0.50	**97**	**2.6**	< 0.50	< 0.50	< 0.50	**28**	< 0.50	< 0.50	< 2.0
MW-32B	02/14/19	ORG	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**140**	**3.2**	< 0.50	< 0.50	< 0.50	**33**	< 0.50	< 0.50	< 2.0
MW-3200B	02/14/19	FD	< 0.50	< 0.50	< 0.50	**1.1**	< 0.50	**130**	**3.3**	< 0.50	< 0.50	< 0.50	**34**	< 0.50	< 0.50	< 2.0
MW-32B	02/14/19	SPT	< 1.0	< 0.50	< 1.0	**1.2**	< 0.50	**190**	**3.6**	< 1.0	< 1.0	< 1.0	**44**	< 10	< 1.0	**2.9**
MW-32B_2SV	05/15/19	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**110**	**3.0**	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	**3.4**
MW-32B	05/15/19	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**110**	**3.1**	< 0.50	< 0.50	< 0.50	**29**	< 0.50	< 0.50	**3.4**
MW-3200B	05/15/19	FD	< 0.50	< 0.50	< 0.50	**0.52**	< 0.50	**110**	**3.1**	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	**3.4**
MW-32B	05/15/19	SPT	< 0.50	< 0.50	< 0.50	**0.89 J**	< 0.50	**130**	**2.7**	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	**5.0**
MW-32B_2SV	08/13/19	ORG	< 0.50	< 0.50	< 0.50	**3.9**	< 0.50	**230**	**8.5**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	< 0.50	**7.6**
MW-32B	08/13/19	ORG	< 0.50	< 0.50	< 0.50	**3.6**	< 0.50	**230**	**7.9**	< 0.50	< 0.50	< 0.50	**52**	< 0.50	< 0.50	**7.6**
MW-32B_2SV	11/21/19	ORG	< 0.50	< 0.50	< 0.50	**1.9**	< 0.50	**260**	**4.8**	< 0.50	< 0.50	< 0.50	**55**	< 0.50	< 0.50	**7.9**
MW-32B	11/21/19	ORG	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	**290**	**5.1**	< 0.50	< 0.50	< 0.50	**59**	< 0.50	< 0.50	**8.0**
MW-32B	02/04/20	ORG	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**150**	**3.9**	< 0.50	< 0.50	< 0.50	**31**	< 0.50	< 0.50	**4.9**
MW-3200B	02/04/20	FD	< 0.50	< 0.50	< 0.50	**1.2**	< 0.50	**140**	**3.8**	< 0.50	< 0.50	< 0.50	**30**	< 0.50	< 0.50	**4.7**
MW-32B	02/04/20	SPT	< 0.50	< 0.50	**0.086 J**	**1.1**	**0.096 J**	**150**	**4.0**	< 0.50	< 0.50	< 0.50	**34**	< 0.50	< 0.50	**6.1**
MW-32B	05/27/20	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**58**	**1.6**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**2.1**
MW-3200B	05/27/20	FD	< 0.50	< 0.50	< 0.50	**0.49 J**	< 0.50	**57**	**1.6**	< 0.50	< 0.50	< 0.50	**14**	< 0.50	< 0.50	**2.1**
MW-32B	08/05/20	ORG	< 0.50	< 0.50	< 0.50	**0.56**	< 0.50	**52**	**1.4**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**1.7**
MW-3200B	08/05/20	FD	< 0.50	< 0.50	< 0.50	**0.48 J**	< 0.50	**52**	**1.4**	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 0.50	**1.7**
MW-32B	08/05/20	SPT	< 0.50	< 0.50	< 0.50	**0.40 J**	< 0.50	**41**	**1.4**	< 0.50	< 0.50	< 0.50	**12**	< 0.50	< 0.50	**1.7**
MW-32B	11/03/20	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**76**	**2.3**	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	**1.6**
MW-32B	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	**77**	**2.1**	< 0.50	< 0.50	< 0.50	**18**	< 0.50	< 0.50	**2.5**
MW-32B Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 3.6	< 0.50	16 - 290	1.4 - 7.9	< 0.50	< 0.50	< 0.50	13 - 75	< 0.50	< 0.50	< 2.0 - 8.0
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
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

TABLE D-2

HISTORICAL 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	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	08/21/18	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	02/13/19	ORG	< 0.50	< 0.50	< 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	08/13/19	ORG	< 0.50	< 0.50	**0.24 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-32C	02/04/20	ORG	< 0.50	< 0.50	< 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	08/04/20	ORG	< 0.50	< 0.50	< 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	02/19/21	ORG	< 0.50	< 0.50	< 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 - 0.24 J	< 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

TABLE D-2

HISTORICAL 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	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
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_1.5SV	05/08/18	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	< 0.20
MW-33	05/08/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.9**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-33_1.5SV	08/22/18	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	08/22/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.4**	< 0.50	< 0.50	< 0.50	< 0.50	**0.19 J**	< 0.50	< 0.50	< 0.20
MW-33_1.5SV	11/07/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	**0.27 J**	< 0.50	< 0.50	**0.20 J**	< 0.50	< 0.50	< 0.20

TABLE D-2

HISTORICAL 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	11/07/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	**0.32 J**	< 0.50	< 0.50	**0.19 J**	< 0.50	< 0.50	< 0.20
MW-33_1.5SV	02/13/19	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	< 0.20
MW-33	02/13/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.7**	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	< 0.20
MW-33_2SV	05/15/19	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	05/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.7**	< 0.50	< 0.50	< 0.50	< 0.50	**0.38 J**	< 0.50	< 0.50	< 0.20
MW-33_2SV	08/14/19	ORG	< 0.50	< 0.50	< 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-33	08/14/19	ORG	< 0.50	< 0.50	< 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-33_2SV	11/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.24 J**	< 0.50	< 0.50	**0.13 J**
MW-33	11/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.13 J**
MW-33_2SV	02/05/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.1**	< 0.50	< 0.50	< 0.50	< 0.50	**0.45 J**	< 0.50	< 0.50	< 0.20
MW-33	02/05/20	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	**0.22**
MW-33_2SV	05/28/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	< 0.50	< 0.50	**0.39 J**	< 0.50	< 0.50	**0.10 J**
MW-33	05/28/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.2**	< 0.50	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	**0.11 J**
MW-33	08/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.3**	< 0.50	< 0.50	< 0.50	< 0.50	**0.40 J**	< 0.50	< 0.50	< 0.20
MW-33	11/03/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.6**	< 0.50	< 0.50	< 0.50	< 0.50	**0.42 J**	< 0.50	< 0.50	< 0.20
MW-33 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 - 12	< 0.50	< 0.50 - 0.32 J	< 0.50	< 0.50	< 0.50 - 2.0	< 0.50	< 0.50 - 1.4	< 0.20 - 0.22
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
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

TABLE D-2

HISTORICAL 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	08/23/18	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	02/12/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	**0.96**	< 0.50	< 0.20
MW-34A	08/13/19	ORG	< 0.50	< 0.50	< 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	02/04/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.74**	< 0.50	< 0.20
MW-34A	02/17/21	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	< 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**
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**

TABLE D-2

HISTORICAL 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	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**
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	05/08/18	ORG	< 0.50	< 0.50	< 0.50	**0.45 J**	< 0.50	**35**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
MW-3400B	05/08/18	FD	< 0.50	< 0.50	< 0.50	**0.54**	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
MW-34B	05/08/18	SPT	< 0.50	< 0.50	< 1.0	**0.57 J**	< 0.50	**48**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**11**
MW-34B	08/23/18	ORG	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**41**	< 0.50	**0.21 J**	< 0.50	**0.25 J**	**0.16 J**	< 0.50	< 0.50	**11**
MW-3400B	08/23/18	FD	< 0.50	< 0.50	< 0.50	**0.48 J**	< 0.50	**39**	< 0.50	**0.19 J**	< 0.50	**0.22 J**	**0.20 J**	< 0.50	< 0.50	**15**
MW-34B	08/23/18	SPT	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	**37**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**8.2**

TABLE D-2

HISTORICAL 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	11/07/18	ORG	< 0.50	< 0.50	< 0.50	**0.43 J**	< 0.50	**35**	< 0.50	**0.21 J**	< 0.50	**0.20 J**	**0.19 J**	< 0.50	< 0.50	**17**
MW-34B	02/13/19	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	**3.2**
MW-34B	05/16/19	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	**16**
MW-34B	08/13/19	ORG	< 0.50	< 0.50	< 0.50	**2.4 E**	< 0.50	**58**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**22**
MW-3400B	08/13/19	FD	< 0.50	< 0.50	< 0.50	**2.3 E**	< 0.50	**70**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**21**
MW-34B	08/13/19	SPT	< 0.50	< 0.50	**0.12 J**	**0.68 E**	**0.11 J**	**57**	< 0.50	< 0.50	< 0.50	**0.23 J**	**0.22 J**	< 0.50	< 0.50	**26**
MW-34B	11/20/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**47**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
MW-34B	02/06/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**20**
MW-34B	05/27/20	ORG	< 0.50	< 0.50	< 0.50	**0.58**	< 0.50	**67**	< 0.50	< 0.50	< 0.50	< 0.50	**0.12 J**	< 0.50	< 0.50	**8.5**
MW-34B	08/06/20	ORG	< 0.50	< 0.50	< 0.50	**0.55**	< 0.50	**54**	< 0.50	**0.17 J**	< 0.50	< 0.50	**0.21 J**	< 0.50	< 0.50	**13**
MW-34B	11/03/20	ORG	< 0.50	< 0.50	< 0.50	**0.65**	< 0.50	**68**	< 0.50	**0.24 J**	< 0.50	< 0.50	**0.22 J**	< 0.50	< 0.50	**29**
MW-34B	02/22/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**25**
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	08/23/18	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

TABLE D-2

HISTORICAL 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-34C	02/13/19	ORG	< 0.50	< 0.50	< 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	08/13/19	ORG	< 0.50	< 0.50	< 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	02/04/20	ORG	< 0.50	< 0.50	< 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	08/06/20	ORG	< 0.50	< 0.50	< 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	02/22/21	ORG	< 0.50	< 0.50	< 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 - < 2.0
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
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	02/05/20	ORG	< 0.50	< 0.50	< 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

TABLE D-2

HISTORICAL 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-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	02/05/20	ORG	< 0.50	< 0.50	< 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
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

TABLE D-2

HISTORICAL 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-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	05/09/18	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	08/21/18	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	11/08/18	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	02/13/19	ORG	< 0.50	< 0.50	< 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	08/16/19	ORG	< 0.50	< 0.50	**1.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-35C	11/19/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.06 J**
MW-35C	02/05/20	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	< 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	08/05/20	ORG	< 0.50	< 0.50	< 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	11/03/20	ORG	< 0.50	< 0.50	< 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	02/18/21	ORG	< 0.50	< 0.50	< 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 - 0.06 J
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
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**

TABLE D-2

HISTORICAL 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-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
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

TABLE D-2

HISTORICAL 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-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_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_1.5SV	05/09/18	ORG	< 0.50	< 0.50	< 0.50	**0.87**	< 0.50	**82**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.0**
MW-36	05/09/18	ORG	< 0.50	< 0.50	< 0.50	**0.99**	< 0.50	**83**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.9**
MW-36_1.5SV	08/22/18	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**58**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.7**
MW-36	08/22/18	ORG	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	**59**	< 0.50	< 0.50	< 0.50	**0.21 J**	< 0.50	< 0.50	< 0.50	**4.4**
MW-36_1.5SV	11/08/18	ORG	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	**47**	< 0.50	< 0.50	< 0.50	**0.12 J**	< 0.50	< 0.50	< 0.50	**6.8**
MW-36	11/08/18	ORG	< 0.50	< 0.50	< 0.50	**0.54**	< 0.50	**52**	< 0.50	< 0.50	< 0.50	**0.14 J**	< 0.50	< 0.50	< 0.50	**7.3**
MW-36_1.5SV	02/12/19	ORG	< 0.50	< 0.50	< 0.50	**0.92**	< 0.50	**86**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.9**
MW-36	02/12/19	ORG	< 0.50	< 0.50	< 0.50	**0.89**	< 0.50	**85**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.0**
MW-36_2SV	05/16/19	ORG	< 0.50	< 0.50	< 0.50	**0.13 J**	< 0.50	**52**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.0**
MW-36	05/16/19	ORG	< 0.50	< 0.50	< 0.50	**0.13 J**	< 0.50	**52**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.2**
MW-36_2SV	08/14/19	ORG	< 0.50	< 0.50	< 0.50	**0.99**	< 0.50	**66**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.0**
MW-36	08/14/19	ORG	< 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	**6.7**
MW-36_2SV	11/20/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**76**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.6**
MW-36	11/20/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**
MW-36_2SV	02/06/20	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**68**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
MW-36	02/06/20	ORG	< 0.50	< 0.50	< 0.50	**0.98**	< 0.50	**49 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.2**
MW-3600	02/06/20	FD	< 0.50	< 0.50	< 0.50	**0.96**	< 0.50	**64 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.0**
MW-36	02/06/20	SPT	< 2.0	< 2.0	< 2.0	**0.94 J**	< 2.0	**88 E**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**11**
MW-36_2SV	05/28/20	ORG	< 0.50	< 0.50	**0.18 J**	**0.75**	< 0.50	**100**	< 0.50	**0.46 J**	< 0.50	< 0.50	**0.13 J**	< 0.50	< 0.50	**9.8**
MW-36	05/28/20	ORG	< 0.50	< 0.50	**0.15 J**	**0.77**	< 0.50	**97**	< 0.50	< 0.50	< 0.50	< 0.50	**0.15 J**	< 0.50	< 0.50	**9.5**
MW-36	08/05/20	ORG	< 0.50	< 0.50	**0.11 J**	**0.58**	< 0.50	**60**	< 0.50	< 0.50	< 0.50	< 0.50	**0.26 J**	< 0.50	< 0.50	**8.2**
MW-36	11/04/20	ORG	< 0.50	< 0.50	< 0.50	**0.62**	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**6.4**
MW-36	02/19/21	ORG	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	**80**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**10**
MW-36 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.15 J	< 0.50 - 1.9	< 0.50	2.9 - 220	< 0.50	< 0.50	< 0.50	< 0.50 - 0.24 J	< 0.50 - 0.26 J	< 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

TABLE D-2

HISTORICAL 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-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
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	02/13/19	ORG	< 0.50	< 0.50	< 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	02/05/20	ORG	< 0.50	< 0.50	< 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	02/19/21	ORG	< 0.50	< 0.50	< 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 - < 2.0
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

TABLE D-2

HISTORICAL 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-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	05/15/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.16 J**	< 0.50	< 0.50	< 0.20
MW-38	02/05/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.27 J**	< 0.50	< 0.20
MW-38	02/17/21	ORG	< 0.50	< 0.50	< 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 - 0.16 J	< 0.50 - 0.27 J	< 0.50	<0.20 - 0.34
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	05/09/18	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	08/21/18	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	11/08/18	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	02/12/19	ORG	< 0.50	< 0.50	< 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 D-2

HISTORICAL 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-39	05/16/19	ORG	< 0.50	< 0.50	< 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	08/15/19	ORG	< 0.50	< 0.50	< 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	11/20/19	ORG	< 0.50	< 0.50	< 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	02/06/20	ORG	< 0.50	< 0.50	< 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	05/27/20	ORG	< 0.50	< 0.50	< 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	08/04/20	ORG	< 0.50	< 0.50	< 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	11/04/20	ORG	< 0.50	< 0.50	< 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	02/22/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.50**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
Historical High/Low								**High**								
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 - < 2.0
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
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	05/10/18	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	08/23/18	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	11/08/18	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	08/15/19	ORG	< 0.50	< 0.50	< 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 D-2

HISTORICAL 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	11/20/19	ORG	< 0.50	< 0.50	< 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	05/28/20	ORG	< 0.50	< 0.50	< 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	08/05/20	ORG	< 0.50	< 0.50	< 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	11/04/20	ORG	< 0.50	< 0.50	< 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	02/22/21	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.29 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.61**
Historical High/Low								**High**								**High**
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 - < 2.0
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**
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	05/10/18	ORG	< 0.50	< 0.50	**0.73**	**0.28 J**	< 0.50	**30**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**
MW-41	08/22/18	ORG	< 0.50	< 0.50	**0.52**	**0.41 J**	< 0.50	**39**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.5**
MW-41	11/08/18	ORG	< 0.50	< 0.50	**0.43 J**	**0.21 J**	< 0.50	**21**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**7.7**
MW-41	02/14/19	ORG	< 0.50	< 0.50	**0.51**	< 0.50	< 0.50	**14**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**2.3**
MW-41	05/15/19	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	< 0.20

TABLE D-2

HISTORICAL 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-41	08/14/19	ORG	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	**4.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.84**
MW-41	11/20/19	ORG	< 0.50	< 0.50	**0.59**	< 0.50	< 0.50	**2.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/04/20	ORG	< 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	**0.21**
MW-41	05/28/20	ORG	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	**0.81**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.25**
MW-41	08/06/20	ORG	< 0.50	< 0.50	**0.73**	< 0.50	< 0.50	**1.1**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.24**
MW-41	11/04/20	ORG	< 0.50	< 0.50	**0.49 J**	< 0.50	< 0.50	**0.99**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/17/21	ORG	< 0.50	< 0.50	**0.42 J**	< 0.50	< 0.50	**0.66**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/17/21	FD	< 0.50	< 0.50	**0.39 J**	< 0.50	< 0.50	**0.79**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-41	02/17/21	SPT	< 0.50	< 0.50	**0.55**	< 0.50	< 0.50	**0.62**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
MW-41 Historical Range* **			< 0.50	< 0.50	< 0.50 - 0.86	< 0.50 - 1.3	< 0.50	< 0.50 - 130	< 0.50	< 0.50 - 0.20 J	< 0.50	< 0.50 - 0.39 J	< 0.50 - 110	< 0.50	< 0.50	< 0.20 - 18
MW-42	06/03/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-4200	06/03/19	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.61**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
MW-42	06/03/19	SPT	< 1.0	< 0.50	< 1.0	< 1.0	< 0.50	**0.99 J**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
MW-42	06/24/19	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	**0.10 J**
MW-4200	06/24/19	FD	< 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	**0.15 J**
MW-42	06/24/19	SPT	< 1.0	< 0.50	< 1.0	< 1.0	< 0.50	**1.7**	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**0.53 J**
MW-42	08/14/19	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	**0.25**
MW-42	11/20/19	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	**0.74**
MW-42	02/06/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**
MW-4200	02/06/20	FD	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**31 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**
MW-42	02/06/20	SPT	< 0.50	< 0.50	< 0.50	**0.38 J**	< 0.50	**22 E**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**
MW-42	05/28/20	ORG	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	**36**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.5**
MW-42	08/05/20	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**31**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.4**
MW-4200	08/05/20	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	**1.3**
MW-42	08/05/20	SPT	< 0.50	< 0.50	< 0.50	**0.41 J**	< 0.50	**28**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.3**
MW-42	11/04/20	ORG	< 0.50	< 0.50	< 0.50	**0.42 J**	< 0.50	**32**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.83**
MW-42	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	**35**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**1.9**
MW-4200	02/18/21	FD	< 0.50	< 0.50	< 0.50	**0.51**	< 0.50	**34**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.7**
MW-42	02/18/21	SPT	< 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	**1.3**
Historical High/Low																**High**
MW-42 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 0.46 J	< 0.50	0.41 J - 36	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20 - 1.5
MW-43	06/03/19	ORG	< 0.50	< 0.50	< 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-4300	06/03/19	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-43	06/03/19	SPT	< 1.0	< 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-43	06/24/19	ORG	< 0.50	< 0.50	< 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-4300	06/24/19	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-43	06/24/19	SPT	< 1.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	**0.38 J**

TABLE D-2

HISTORICAL 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-43	08/14/19	ORG	< 0.50	< 0.50	< 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-43	11/20/19	ORG	< 0.50	< 0.50	< 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-43	02/05/20	ORG	< 0.50	< 0.50	< 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-43	05/28/20	ORG	< 0.50	< 0.50	< 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-43	08/05/20	ORG	< 0.50	< 0.50	< 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-43	11/04/20	ORG	< 0.50	< 0.50	< 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-43	02/18/21	ORG	< 0.50	< 0.50	< 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-43 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
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**

TABLE D-2

HISTORICAL 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	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**
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**

TABLE D-2

HISTORICAL 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	11/02/15	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**
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	05/08/18	ORG	< 0.50	< 0.50	< 0.50	**0.64**	< 0.50	**47**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**23**
EW-01	08/24/18	ORG	< 0.50	< 0.50	**0.19 J**	**1.2**	< 0.50	**85**	< 0.50	**0.27 J**	< 0.50	**0.50**	< 0.50	< 0.50	**0.25 J**	**41**
EW-01	11/06/18	ORG	< 0.50	< 0.50	< 0.50	**1.3**	< 0.50	**81**	< 0.50	< 0.50	< 0.50	< 0.50	**0.39 J**	< 0.50	< 0.50	**55**
EW-01	02/13/19	ORG	< 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	**17**
EW-01	05/16/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**190**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**47**
EW-01	08/15/19	ORG	< 0.50	< 0.50	< 0.50	**1.4**	**0.43 J**	**85**	< 0.50	**0.33 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**42**
EW-01	11/20/19	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	**41**
EW-01	02/06/20	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**34**	< 0.50	**0.16 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**34**
EW-01	05/26/20	ORG	< 0.50	< 0.50	**0.14 J**	**0.23 J**	< 0.50	**15**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**11**
EW-01	08/06/20	ORG	< 0.50	< 0.50	**0.12 J**	**0.38 J**	< 0.50	**25**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**18**
EW-01	11/03/20	ORG	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**86**	< 0.50	< 0.50	< 0.50	< 0.50	**0.46 J**	< 0.50	< 0.50	**46**
EW-01	02/18/21	ORG	< 0.50	< 0.50	< 0.50	**0.94**	< 0.50	**72**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**47**
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 E	< 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**

TABLE D-2

HISTORICAL 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-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**
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**

TABLE D-2

HISTORICAL 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-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**
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	11/17/16	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	**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

TABLE D-2

HISTORICAL 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-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	03/15/18	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
EW-02	03/29/18	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	< 2.0
EW-02	04/05/18	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	**3.1**
EW-02	04/19/18	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.3**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	05/03/18	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	05/17/18	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	06/07/18	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	06/21/18	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	**7.1**
EW-02	07/05/18	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	07/19/18	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	08/02/18	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	**6.8**
EW-02	08/16/18	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	09/11/18	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
EW-02	09/20/18	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	**7.0**
EW-02	10/05/18	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	**9.0**
EW-02	10/18/18	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	**6.3**
EW-02	11/01/18	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	**7.5**
EW-02	11/15/18	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	**8.4**
EW-02	12/04/18	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	**5.1**
EW-02	12/19/18	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	**3.5**
EW-02	01/03/19	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	01/24/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	02/07/19	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	02/21/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0
EW-02	03/05/19	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	03/21/19	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	04/04/19	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	**5.0**
EW-02	04/18/19	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	**6.8**

TABLE D-2

HISTORICAL 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)																
EW-02	05/02/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.7**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.6**
EW-02	05/16/19	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	**8.0**
EW-02	06/06/19	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	**7.2**
EW-02	06/20/19	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	**13**
EW-02	07/03/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**8.0**
EW-02	07/18/19	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	**9.4**
EW-02	08/01/19	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	**8.3**
EW-02	08/15/19	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	**12**
EW-02	09/05/19	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	**10**
EW-02	09/19/19	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	**10**
EW-02	10/04/19	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	**8.8**
EW-02	10/21/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**9.2**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**5.6**
EW-02	11/06/19	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	**9.4**
EW-02	11/21/19	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**
EW-02	12/02/19	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	**11**
EW-02	12/19/19	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	**8.4**
EW-02	01/02/20	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	**8.8**
EW-02	01/16/20	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	**7.9**
EW-02	02/06/20	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	**8.9**
EW-02	02/20/20	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	**9.4**
EW-02	03/05/20	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	**7.1**
EW-02	03/19/20	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	**6.8**
EW-02	04/02/20	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	**5.8**
EW-02	04/16/20	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	**5.4**
EW-02	05/07/20	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	**2.5**
EW-02	05/21/20	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	**7.5**
EW-02	06/05/20	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	**3.7**
EW-02	06/18/20	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	**8.3**
EW-02	07/02/20	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	**6.6**
EW-02	07/16/20	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	**7.4**
EW-02	08/06/20	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	**8.4**
EW-02	08/20/20	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	**6.4**
EW-02	09/03/20	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	**8.7**
EW-02	09/17/20	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	**5.1**
EW-02	10/01/20	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	**11**
EW-02	10/15/20	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	**12**
EW-02	11/05/20	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	**8.6**
EW-02	11/19/20	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	**6.8**
EW-02	12/03/20	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**
EW-02	12/17/20	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	**11**
EW-02	01/07/21	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	**8.0**
EW-02	01/21/21	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	**8.5**
EW-02	02/04/21	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	**8.0**
EW-02	02/18/21	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	**21**
EW-02 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 1.5	< 0.50	2.3 - 160	< 0.50	< 0.50	< 0.50	< 0.50 - 0.59	< 0.50	< 0.50	< 0.50 - 0.85	< 2.0 - 48

TABLE D-2

HISTORICAL 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**

TABLE D-2

HISTORICAL 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 (Cont'd)																
P-07	02/14/19	ORG	< 5.0	< 5.0	< 5.0	**16**	< 5.0	**1,400**	< 5.0	< 5.0	< 5.0	< 5.0	**6.1**	< 5.0	< 5.0	**1,700**
P-07	02/07/20	ORG	< 2.5	< 2.5	< 2.5	**13**	< 2.5	**1,600**	< 2.5	**4.4**	< 2.5	**4.2**	**5.6**	**4.6**	< 2.5	**1,700**
P-07	02/17/21	ORG	< 5.0	< 5.0	< 5.0	**12**	< 5.0	**1,100**	< 5.0	**4.3 J**	< 5.0	< 5.0	< 5.0	**3.2 J**	< 5.0	**1,600**
P-07 Historical Range* **			< 1.0 - 12	< 0.50 - 14	< 1.0 - 8.3	8.3 - 154	< 0.50 - 17	640 - 23,300	< 1.0 - 5.1	< 3.0 - 52	< 0.50 - 1,400	< 1.0 - 25	< 3.0 - 39	< 1.0 - 17	< 0.50	360 - 3,100
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

TABLE D-2

HISTORICAL 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 (Cont'd)																
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**
P-09	02/20/19	ORG	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**4.7**	< 0.50	**0.28 J**	< 0.50	< 0.50	**0.11 J**	< 0.50	< 0.50	**0.43**
P-09	02/06/20	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	**0.50**
P-09	02/18/21	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	< 0.20
P-09 Historical Range* **			< 0.50	< 0.50	< 0.50	< 0.50 - 0.87	< 0.50	0.56 - 130	< 0.50	< 0.50 - 0.40 J	< 0.50	< 0.50	< 0.50 - 0.58	< 0.50	< 0.50	< 0.20 - 7.1
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

TABLE D-2

HISTORICAL 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**)
Quality Assurance/Quality Control Samples (Cont'd)																
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
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

TABLE D-2

HISTORICAL 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**)
Quality Assurance/Quality Control Samples (Cont'd)																
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
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-031518	03/15/18	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-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
TB-032918	03/29/18	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-040518	04/05/18	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-041918	04/19/18	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
TB-050318	05/03/18	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-050818A	05/08/18	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

TABLE D-2

HISTORICAL 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**)
Quality Assurance/Quality Control Samples (Cont'd)																
TB-050818B	05/08/18	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-050818	05/09/18	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
RB-051018	05/10/18	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	< 0.20
TB-051018	05/10/18	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-051718	05/17/18	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-060718	06/07/18	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-062118	06/21/18	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-070518	07/05/18	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-071918	07/19/18	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
TB-080218	08/02/18	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-081618	08/16/18	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-082118A	08/21/18	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-082118B	08/21/18	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-082118A	08/21/18	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
RB-082218	08/22/18	RB	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.63**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20
TB-082218	08/22/18	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-082318A	08/23/18	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-082318B	08/23/18	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-082418	08/24/18	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-091118	09/11/18	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-092018	09/20/18	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-100518	10/05/18	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-101818	10/18/18	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-110118	11/01/18	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-110618A	11/06/18	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-110618B	11/06/18	TB-SPT	< 1.0	< 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-110718	11/07/18	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	<0.20
TB-110818	11/08/18	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-111518	11/15/18	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-113018	11/30/18	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-120418	12/04/18	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-121918	12/19/18	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
TB-010319	01/03/19	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-012419	01/24/19	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-020719	02/07/19	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-021219A	02/12/19	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-021219B	02/12/19	TB-SPT	< 1.0	< 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-021319	02/13/19	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-021419A	02/14/19	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-021419B	02/14/19	TB-SPT	< 1.0	< 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-021519	02/15/19	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-021919	02/19/19	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-022019	02/20/19	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-022019	02/20/19	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

TABLE D-2

HISTORICAL 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**)
Quality Assurance/Quality Control Samples (Cont'd)																
TB-022119	02/21/19	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-030519	03/05/19	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-032119	03/21/19	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-040419	04/04/19	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-041819	04/18/19	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-050219	05/02/19	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-051519A	05/15/19	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-051519B	05/15/19	TB	< 1.0	< 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-051519	05/15/19	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-051619	05/16/19	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-060319	06/03/19	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-060319	06/03/19	TB	< 1.0	< 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-062419	06/24/19	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-062419	06/24/19	TB	< 1.0	< 0.50	< 1.0	< 1.0	< 0.50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	**0.22 J**	NA
TB-060619	06/06/19	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-062019	06/20/19	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-070319	07/03/19	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-071819	07/18/19	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-080119	08/01/19	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-081319A	08/13/19	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-081319B	08/13/19	TB-SPT	< 0.50	< 0.50	0.10 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-081419	08/14/19	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-081419	08/14/19	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-081519	08/15/19	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-081619	08/16/19	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-090519	9/5/2019	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-091919	09/19/19	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-100419	10/04/19	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-102119	10/21/19	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-110619	11/06/19	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-111919A	11/19/19	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-111919B	11/19/19	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
RB-111919	11/19/19	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-112019A	11/20/19	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-112019-B	11/20/19	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-112119	11/21/19	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-12022019	12/02/19	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-121919	12/19/19	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-20200102	01/02/20	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-011620	01/16/20	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-020420	02/04/20	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-020420B	02/04/20	TB-SPT	< 0.50	< 0.50	**0.12 J**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-020520	02/05/20	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-020520	02/05/20	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

TABLE D-2

HISTORICAL 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**)
Quality Assurance/Quality Control Samples (Cont'd)																
TB-020620A	02/06/20	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-020620B	02/06/20	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-022020	02/20/20	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-030520	03/05/20	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-031920	03/19/20	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-040220	04/02/20	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-041620	04/16/20	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-050720	05/07/20	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-052120	05/21/20	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-052620	05/26/20	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-052720	05/27/20	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-052820A	05/28/20	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-052820B	05/28/20	TB-SPT	< 0.50	< 0.50	**0.067 J B**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA
TB-060520	06/05/20	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-061820	06/18/20	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-070220	07/02/20	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-071620	07/16/20	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-080420	08/04/20	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-080420	08/04/20	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
RB-080520	08/05/20	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-080520A	08/05/20	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-080620A	08/06/20	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-080520B	08/05/20	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-080620B	08/06/20	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-082020	08/20/20	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-090320	09/03/20	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-091720	09/17/20	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-100120	10/01/20	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-101520	10/15/20	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-110320A	11/03/20	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-110320B	11/03/20	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
RB-110320	11/03/20	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-11042020	11/04/20	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-110520	11/05/20	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-111920	11/19/20	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-120320	12/03/20	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-121720	12/17/20	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-010721	01/07/21	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-012121	01/21/21	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-020421	02/04/21	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-021721A	02/17/21	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-021721B	02/17/21	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-021821	02/18/21	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-021821A	02/18/21	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 D-2

HISTORICAL 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**)
Quality Assurance/Quality Control Samples (Cont'd)																
RB-021821	02/22/21	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	< 2.0
TB-021921A	02/19/21	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-021921B	02/19/21	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-022221	02/22/21	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 D-3

HISTORICAL 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
EW-02	08/16/18	ORG	1,1-Dichloropropene	0.90
MW-06	02/20/19	ORG	Chloromethane	0.29 J
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-08	11/07/18	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.2 J
MW-08	05/15/19	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1 J
MW-08	02/05/20	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1
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-16	02/22/21	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	2.7
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-20	08/21/18	SPT	Acetone	7.9 J
MW-20	02/20/19	ORG	Chloromethane	0.26 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-21	11/06/18	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	4.8 J

TABLE D-3

HISTORICAL 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 (cont'd)				
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-30A	02/04/20	ORG	Chloromethane	0.31 J
MW-30B	08/05/11	SPT	1,2,2-trichlorotifluoroethane	2
MW-30B	02/28/18	SPT	n-Butylbenzene	0.26J,U
MW-30B	08/23/18	SPT	Acetone	4.9 J
MW-30B	08/23/18	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2 J
MW-30B	02/12/19	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.8 J
MW-31	08/13/19	SPT	Methylene Chloride	0.14 J
MW-31	02/19/21	ORG	Chloromethane	0.26 J
MW-3100	02/19/21	FD	Chloromethane	0.17 J
MW-31	02/19/21	SPT	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.77
MW-32A	02/04/20	ORG	Chloromethane	0.32 J
MW-32B_1SV	05/04/16	ORG	Chloromethane	0.60
MW-32B_1SV	05/10/18	ORG	Chloromethane	0.40 J
MW-32B	05/10/18	ORG	Chloromethane	0.49 J
MW-32B	02/04/20	ORG	Chloromethane	0.41 J
MW-3200B	02/04/20	FD	Chloromethane	0.29 J
MW-32B	02/04/20	SPT	Vinyl Chloride	0.098 J
MW-33	05/03/16	ORG	Chloromethane	0.50
MW-34A	02/25/11	SPT	Acetone	6 U
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-34B	08/23/18	SPT	Acetone	11 J
MW-34B	08/13/19	SPT	Methylene chloride	0.064 J

TABLE D-3

HISTORICAL 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 (cont'd)				
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

TABLE D-3

HISTORICAL 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 (cont'd)				
MW-37	02/19/21	ORG	1,2,4-Trimethylbenzene	1.0
MW-37	02/19/21	ORG	n-Butylbenzene	0.32
MW-37	02/19/21	ORG	1,3,5-Trimethylbenzene	0.37
MW-37	02/19/21	ORG	Ethylbenzene	0.35
MW-37	02/19/21	ORG	n-Propylbenzene	0.26
MW-37	02/19/21	ORG	o-Xylene	0.50
MW-37	02/19/21	ORG	m,p-Xylene	1.4
MW-37	02/19/21	ORG	sec-Butylbenzene	0.12
MW-41	03/02/18	ORG	Chloromethane	0.43 J
MW-41	02/14/19	ORG	1,1-Dichloropropene	0.70
MW-41	02/04/20	ORG	Chloromethane	0.23 J
MW-42	02/06/20	SPT	Methylene Chloride	0.066 J
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-07	02/17/21	ORG	1,2,4-Trimethylbenzene	2.1
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
TB-082118B	08/21/18	TB-SPT	Acetone	8.3 J
TB-082118B	08/21/18	TB-SPT	Methylene chloride	1.2 J
RB-082118A	08/21/18	ORG	Chloromethane	0.25 J
TB-021919	02/19/19	TB	Methylene chloride	0.72 J
TB-022019	02/20/19	TB	Methylene chloride	0.63 J

TABLE D-3

HISTORICAL OTHER VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

WELL IDENTIFIER	DATE SAMPLED	QUALITY ASSURANCE CODE	COMPOUNDS	CONCENTRATION (micrograms per liter)
Quality Assurance/Quality Control Samples (continued)				
RB-022019	02/20/19	RB	Chloromethane	0.30 J
TB-081319B	08/13/19	TB-SPT	Methylene chloride	0.39 J
TB-081519	08/15/19	TB	Methylene chloride	0.87 J,B
TB-020420B	02/04/20	TB-SPT	Methylene chloride	0.47 J
TB-020620B	02/04/20	TB-SPT	Methylene chloride	0.71 J

FOOTNOTES

ORG = Original sample
FD = Field duplicate sample
SPT = Split laboratory sample
RB = Rinsate blank sample
TB = Trip blank sample
B = Analyte detected in the associated laboratory Method Blank
E = Result qualified as Estimated based on data quality assessment quality control criteria
J = Result qualified as Estimated; analyte detected at less than the laboratory Reporting Limit and greater than or equal to the laboratory Method Detection Limit
U = Result qualified as Unusable based on data quality assessment quality control criteria

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	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	<0.50	--	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	--	--	--	--	--	--	--	--
	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1,2-Trichloroethane (cont'd)	06/23/11	ug/L	12	--	0.83	--	--	--	--	--	--
(5 ug/L MCL)	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	--	<0.50	--	--	--	--	--	--
	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	--	--	--	--	--	--
	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	--	<0.50	<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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1,2-Trichloroethane (cont'd)	02/02/15	ug/L	7.6	--	5.7	--	--	--	--	--	--
(5 ug/L MCL)	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	--	<0.50	<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	--	<0.50	<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
	09/08/16	ug/L	--	0.83	--	<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	--	0.87	--	<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	--	0.63	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/08/16	ug/L	9	--	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
	02/06/17	ug/L	13	--	<0.50	--	--	--	--	--	--
	02/09/17	ug/L	--	0.9	--	--	--	--	--	--	--
	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	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/06/17	ug/L	--	0.8	--	<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	--	<0.50	<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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1,2-Trichloroethane (cont'd)	08/03/17	ug/L	--	0.86	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	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	--	0.7	--	<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	--	0.5	--	<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	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/15/18	ug/L	--	0.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/27/18	ug/L	2.2 J	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/29/18	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	2.6	--	<0.50	--	--	--	--	--	--
	05/17/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/02/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/16/18	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	5.6	--	0.5	--	--	--	--	--	--
	09/11/18	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	6.0	--	<0.50	--	--	--	--	--	--
	11/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	0.58	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/07/19	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/13/19	ug/L	8.8	--	<0.50	--	--	--	--	--	--
	02/21/19	ug/L	--	0.66	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	0.66	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	0.69	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	9.8	0.61	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/20/19	ug/L	--	0.64	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	8.5	0.64	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1,2-Trichloroethane (cont'd)	11/06/19	ug/L	--	<5.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	11/20/19	ug/L	4.0	--	<0.50	--	--	--	--	--	--
	11/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/19	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/02/20	ug/L	--	0.61	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	5.8	0.57	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	0.55	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	0.64	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	11	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	0.70	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	14	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	5.3	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	0.56	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	0.66	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	0.60	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	0.65	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	0.64	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	0.73	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	9.6	0.54	< 0.50	< 0.50	<0.50	--	<0.50	<0.50	<0.50
1,1-Dichloroethane	06/22/05	ug/L	--	--	10	--	--	--	--	--	--
(5 ug/L MCL)	09/22/05	ug/L	--	--	3	--	--	--	--	--	--
	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	--	--	--	--	--	--
	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	--	22	7	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	<0.50	<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	--	11	--	6.4	<0.50	<0.50
	09/24/08	ug/L	15	--	2.4	--	8	--	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethane (cont'd)	05/27/09	ug/L	8.4	--	3.4	--	5.5	--	4	4	0.6
(5 ug/L MCL)	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	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	--	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	--	--	--	0.9	--	--	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	--	--	0.8	<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	0.82	<0.50
	09/02/10	ug/L	--	--	--	1.4	--	--	1	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	0.86
	12/06/10	ug/L	25	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	7.5	1	--	--	0.81	1	0.89
	01/13/11	ug/L	--	--	--	1	--	--	0.73	0.99	1
	02/03/11	ug/L	--	--	--	0.88	--	--	0.77	0.83	0.94
	03/02/11	ug/L	--	--	--	0.71	--	--	<0.50	0.7	0.83
	03/24/11	ug/L	38	--	2.6	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	0.76	--	--	0.53	0.69	0.82
	05/04/11	ug/L	--	--	--	0.79	--	--	0.6	0.75	0.82
	06/07/11	ug/L	--	--	--	0.65	--	--	<0.50	0.59	0.7
	06/23/11	ug/L	33	--	2.1	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	0.73	--	--	0.58	0.71	0.8
	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	2.4	2.5
	03/09/12	ug/L	8.6	--	--	<0.50	2.5	--	2	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	0.5	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	0.5	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethane (cont'd)	03/09/13	ug/L	--	--	--	--	--	--	--	--	<5.0
(5 ug/L MCL)	03/09/13	ug/L	--	--	--	0.6	--	--	<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	--	--	0.72	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	0.5	<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
	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	--	<0.50	1.2	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	2.5	--	<0.50	0.7	--	0.5	<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	--	0.5	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	--	<0.50	0.9	--	0.51	0.53	0.54
	03/17/16	ug/L	--	3.9	--	<0.50	1	--	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	--	0.68	<0.50	<0.50
	05/19/16	ug/L	--	3.8	--	<0.50	1	--	0.8	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethane (cont'd)	06/01/16	ug/L	--	3.5	--	<0.50	0.95	--	0.69	<0.50	<0.50
(5 ug/L MCL)	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	--	0.57	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	--	--	--	--	--	--
	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
	02/06/17	ug/L	32	--	1.1	--	--	--	--	--	--
	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	0.7	--	<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	--	--	--	--	--	--
	05/18/17	ug/L	--	2	--	<0.50	0.5	--	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	0.5	--	<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	0.6	--	<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	--	<0.50	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	--	<0.50	<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	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/29/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	9.2	--	0.64	--	--	--	--	--	--
	05/17/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethane (cont'd)	07/19/18	ug/L	--	0.85	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	08/02/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/16/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	14	--	1.2	--	--	--	--	--	--
	09/11/18	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	13	--	1.3	--	--	--	--	--	--
	11/15/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/07/19	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/13/19	ug/L	16	--	<0.50	--	--	--	--	--	--
	02/21/19	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	1.5	--	<0.50	0.5	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	1.4	--	<0.50	0.53	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	16	0.86	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/20/19	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/03/19	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	3.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	19	2.7	1.4	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	3.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	2.2	--	<0.50	0.59	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/19	ug/L	9.3	--	1.0	--	--	--	--	--	--
	11/21/19	ug/L	--	2.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/19	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	9.9	1.6	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	1.6	--	<0.50	0.50	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	22	--	0.23 J	--	--	--	--	--	--
	06/05/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	29	1.4	0.38 J	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	8.2	--	1.0	--	--	--	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethane (cont'd)	11/05/20	ug/L	--	1.4	--	<0.50	0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	11/19/20	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	1.5	--	< 0.50	0.53	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	1.4	--	< 0.50	0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	1.5	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	1.4	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	1.8	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	16	1.2	0.94	< 0.50	<0.50	--	<0.50	<0.50	<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	--	--	--	--	--	--
	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	<0.50	<0.50
	07/09/08	ug/L	4200	--	820	--	3000	--	5	0.5	<0.50
	07/10/08	ug/L	3800	--	580	--	2000	--	0.83	<0.50	<0.50
	07/15/08	ug/L	3500	--	630	--	2100	400	<0.50	<0.50	<0.50
	07/16/08	ug/L	4800	--	1000	--	2800	--	0.87	<0.50	<0.50
	07/23/08	ug/L	3500	--	520	--	2100	--	0.73	<0.50	<0.50
	07/30/08	ug/L	3400	--	360	--	1400	--	1.6	<0.50	<0.50
	08/06/08	ug/L	1500	--	340	--	1500	--	12	<0.50	<0.50
	08/25/08	ug/L	1800	--	230	--	1100	--	25	<0.50	<0.50
	09/24/08	ug/L	1200	--	180	--	610	--	0.65	<0.50	<0.50
	10/22/08	ug/L	1200	--	200	--	730	--	11	<0.50	<0.50
	11/26/08	ug/L	1100	--	190	--	730	--	2.5	<0.50	<0.50
	02/25/09	ug/L	720	--	360	--	570	--	2.5	<0.50	<0.50
	03/18/09	ug/L	900	--	160	--	460	--	<0.50	<0.50	<0.50
	04/29/09	ug/L	860	--	150	--	470	--	<0.50	<0.50	<0.50
	05/27/09	ug/L	940	--	320	--	590	--	<0.50	<0.50	<0.50
	06/29/09	ug/L	860	--	200	--	510	--	<0.50	<0.50	<0.50
	07/22/09	ug/L	870	--	260	--	580	--	<0.50	<0.50	<0.50
	08/14/09	ug/L	900	--	190	--	540	--	<0.50	<0.50	<0.50
	09/11/09	ug/L	1100	--	280	--	610	--	<0.50	<0.50	<0.50
	10/08/09	ug/L	830	--	150	--	600	--	<0.50	<0.50	<0.50
	12/09/09	ug/L	200	--	720	--	400	--	1.8	<0.50	<0.50
	03/05/10	ug/L	370	--	500	--	--	--	--	--	--
	03/22/10	ug/L	--	--	--	82	--	--	<0.50	<0.50	<0.50
	03/23/10	ug/L	--	--	--	82	--	--	<0.50	<0.50	<0.50
	03/24/10	ug/L	--	--	--	74	--	--	<0.50	<0.50	<0.50
	03/25/10	ug/L	--	--	--	70	--	--	<0.50	<0.50	<0.50
	03/26/10	ug/L	--	--	--	76	--	--	<0.50	<0.50	<0.50
	04/01/10	ug/L	--	--	--	81	--	--	<0.50	<0.50	<0.50
	04/09/10	ug/L	--	--	--	85	--	--	<0.50	<0.50	<0.50
	04/13/10	ug/L	--	--	--	120	--	--	<0.50	<0.50	<0.50
	04/23/10	ug/L	--	--	--	91	--	--	<0.50	<0.50	<0.50
	05/25/10	ug/L	--	--	--	100	--	--	<0.19	<0.19	<0.19
	06/10/10	ug/L	--	--	--	120	--	--	<0.50	<0.50	<0.50
	06/11/10	ug/L	800	--	720	--	--	--	--	--	--
	07/08/10	ug/L	--	--	--	160	--	--	<0.50	<0.50	<0.50
	08/02/10	ug/L	--	--	--	150	--	--	<0.50	<0.50	<0.50
	09/02/10	ug/L	--	--	--	160	--	--	<0.50	<0.50	<0.50
	09/08/10	ug/L	1000	--	720	--	--	--	--	--	--
	10/07/10	ug/L	--	--	--	140	--	--	<0.50	<0.50	<0.50
	11/11/10	ug/L	--	--	--	140	--	--	<0.50	<0.50	<0.50
	12/06/10	ug/L	2300	--	--	--	--	--	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethene (cont'd)	12/07/10	ug/L	--	--	600	130	--	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	01/13/11	ug/L	--	--	--	99	--	--	<0.50	<0.50	<0.50
	02/03/11	ug/L	--	--	--	83	--	--	<0.50	<0.50	<0.50
	03/02/11	ug/L	--	--	--	77	--	--	0.5	<0.50	<0.50
	03/24/11	ug/L	2800	--	200	--	--	--	--	--	--
	04/01/11	ug/L	--	--	--	82	--	--	<0.50	<0.50	<0.50
	05/04/11	ug/L	--	--	--	83	--	--	<0.50	<0.50	<0.50
	06/07/11	ug/L	--	--	--	67	--	--	0.54	<0.50	<0.50
	06/23/11	ug/L	2700	--	180	--	--	--	--	--	--
	07/02/11	ug/L	--	--	--	87	--	--	<0.50	<0.50	<0.50
	08/01/11	ug/L	--	--	--	75	--	--	<0.50	<0.50	<0.50
	08/02/11	ug/L	2400	--	370	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	90	--	--	<0.50	<0.50	<0.50
	10/17/11	ug/L	--	--	--	67	--	--	<0.50	<0.50	<0.50
	11/01/11	ug/L	1600	--	82	55	--	--	<0.50	<0.50	<0.50
	12/07/11	ug/L	3200	--	--	62	850	--	1.6	<0.50	<0.50
	01/06/12	ug/L	1400	--	--	85	450	--	<0.50	<0.50	<0.50
	02/06/12	ug/L	--	--	59	--	--	--	--	--	--
	02/08/12	ug/L	520	--	--	54	300	--	<0.50	<0.50	<0.50
	03/09/12	ug/L	860	--	--	59	210	--	<0.50	<0.50	<0.50
	04/16/12	ug/L	--	--	--	45	--	--	<0.50	<0.50	<0.50
	05/01/12	ug/L	--	--	--	37	--	--	<0.50	<0.50	<0.50
	05/07/12	ug/L	490	--	18	--	--	--	--	--	--
	06/08/12	ug/L	--	--	--	67	--	--	<0.50	<0.50	<0.50
	07/11/12	ug/L	--	--	--	64	--	--	<0.50	<0.50	0.75
	08/03/12	ug/L	--	--	--	67	--	--	<0.50	<0.50	<0.50
	08/06/12	ug/L	1300	--	94	--	--	--	--	--	--
	09/06/12	ug/L	--	--	--	62	--	--	<0.50	<0.50	<0.50
	10/15/12	ug/L	--	--	--	75	--	--	<0.50	<0.50	<0.50
	11/05/12	ug/L	2000	--	190	63	--	--	<0.50	<0.50	<0.50
	12/10/12	ug/L	--	--	--	72	--	--	<0.50	<0.50	<0.50
	01/04/13	ug/L	--	--	--	63	--	--	<0.50	<0.50	<0.50
	02/04/13	ug/L	1900	--	130	--	--	--	--	--	--
	02/09/13	ug/L	--	--	--	39	--	--	<0.50	<0.50	<0.50
	03/09/13	ug/L	--	--	--	50	--	--	<0.50	<0.50	<0.50
	04/15/13	ug/L	--	--	--	32	--	--	<0.50	<0.50	<0.50
	05/07/13	ug/L	--	--	--	46	--	--	<0.50	<0.50	<0.50
	05/13/13	ug/L	1600	--	57	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.50
	06/13/13	ug/L	--	--	--	54	--	--	<0.50	<0.50	<0.50
	07/02/13	ug/L	--	--	--	64	--	--	<0.50	<0.50	<0.50
	08/10/13	ug/L	--	--	--	80	--	--	<0.50	<0.50	<0.50
	08/12/13	ug/L	1500	--	220	--	--	--	--	--	--
	09/03/13	ug/L	--	--	--	26	--	--	<0.50	<0.50	<0.50
	10/05/13	ug/L	--	--	--	75	--	--	0.92	<0.50	<0.50
	11/01/13	ug/L	--	--	--	54	--	--	<0.50	<0.50	<0.50
	11/11/13	ug/L	1000	--	160	--	--	--	--	--	--
	12/11/13	ug/L	--	--	--	49	--	--	<0.50	<0.50	<0.50
	01/17/14	ug/L	--	--	--	34	--	--	1.3	<0.50	<0.50
	02/03/14	ug/L	1300	--	190	--	--	--	--	--	--
	02/11/14	ug/L	--	--	--	49	--	--	<0.50	<0.50	<0.50
	03/04/14	ug/L	--	--	--	57	--	--	<0.50	<0.50	<0.50
	05/20/14	ug/L	--	--	500	--	--	--	--	--	--
	07/30/14	ug/L	--	--	--	--	--	27	<0.50	--	<0.50
	08/01/14	ug/L	--	--	--	--	21	--	<0.50	<0.50	<0.50
	08/04/14	ug/L	--	--	--	--	30	--	<0.50	<0.50	<0.50
	08/05/14	ug/L	--	--	--	--	28	--	<0.50	<0.50	<0.50
	08/06/14	ug/L	--	--	--	--	28	--	<0.50	<0.50	<0.50
	08/07/14	ug/L	--	--	--	--	30	--	0.54	<0.50	<0.50
	08/08/14	ug/L	--	--	--	--	23	--	<0.50	<0.50	<0.50
	08/15/14	ug/L	--	--	--	--	36	--	2.2	0.57	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethene (cont'd)	08/18/14	ug/L	1200	--	950	--	--	--	--	--	--
(6 ug/L MCL)	08/22/14	ug/L	--	--	--	--	23	--	<0.50	<0.50	<0.50
	08/29/14	ug/L	--	--	--	--	34	--	2.8	0.61	<0.50
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	11/03/14	ug/L	--	240	--	22	66	--	0.87	<0.50	<0.50
	11/04/14	ug/L	350	--	960	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	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
	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
	02/06/17	ug/L	2300	--	75	--	--	--	--	--	--
	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethene (cont'd)	04/06/17	ug/L	--	190	--	10	55	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	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	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	110	--	2.3	23	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	40	--	--	--	--	--	--
	03/29/18	ug/L	--	120	--	8	29	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	120	--	8.2	27	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	120	--	9.3	26	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	100	--	10	27	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	710	--	47	--	--	--	--	--	--
	05/17/18	ug/L	--	120	--	12	34	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	130	--	12	30	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	110	--	13	32	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	110	--	12	31	--	<0.50	<0.50	<0.50
	07/19/18	ug/L	--	170	--	16	37	--	<0.50	<0.50	<0.50
	08/02/18	ug/L	--	110	--	12	31	--	<0.50	<0.50	<0.50
	08/16/18	ug/L	--	120	--	12	32	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	920	--	85	--	--	--	--	--	--
	09/11/18	ug/L	--	110	--	13	34	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	120	--	12	35	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	110	--	11	33	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	11	11	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	12	12	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	880	--	81	--	--	--	--	--	--
	11/15/18	ug/L	--	120	--	17	52	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	150	--	16	61	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	130	--	11	40	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	100	--	10	36	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	150	--	9.8	42	--	<0.50	<0.50	<0.50
	02/07/19	ug/L	--	150	--	8.8	44	--	<0.50	<0.50	<0.50
	02/13/19	ug/L	840	--	29	--	--	--	--	--	--
	02/21/19	ug/L	--	140	--	9.8	41	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	100	--	8.5	37	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	120	--	11	41	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	150	--	10	41	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	160	--	11	46	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	110	--	9.7	37	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	1200	120	190	12	50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	130	--	14	55	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,1-Dichloroethene (cont'd)	06/20/19	ug/L	--	150	--	13	54	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	07/03/19	ug/L	--	99	--	9.8	49	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	100	--	12	45	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	160	--	18	56	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	970	170	85	19	63	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	220	--	20	58	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	150	--	19	65	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	140	--	14	42	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	150	--	9.2	36	--	<0.50	<0.50	<0.50
	11/06/19	ug/L	--	140	--	3.3	4.5	--	<0.50	<0.50	<0.50
	11/20/19	ug/L	450	--	99	--	--	--	--	--	--
	11/21/19	ug/L	--	180	--	18	59	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	180	--	16	33	--	<0.50	<0.50	<0.50
	12/19/19	ug/L	--	110	--	17	55	--	<0.50	<0.50	<0.50
	01/02/20	ug/L	--	130	--	15	45	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	140	--	15	47	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	740	190	34	17	58	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	160	--	13	54	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	160	--	14	55	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	170	--	15	49	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	130	--	11	40	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	130	--	12	43	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	140	--	13	45	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	130	--	13	41	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	830	--	15	--	--	--	--	--	--
	06/05/20	ug/L	--	140	--	14	43	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	150	--	17	46	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	150	--	15	43	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	140	--	12	31	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	1600	140	25	14	36	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	130	--	14	38	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	97	--	15	39	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	130	--	18	43	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	160	--	15	39	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	180	--	17	45	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	930	--	86	--	--	--	--	--	--
	11/05/20	ug/L	--	170	--	17	57	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	180	--	17	55	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	180	--	18	58	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	140	--	15	52	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	170	--	14	52	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	170	--	15	51	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	220	--	15	51	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	1500	160	72	12	45	--	<0.50	<0.50	<0.50
1,2-Dichloroethane	06/22/05	ug/L	--	--	2.6	--	--	--	--	--	--
(0.5 ug/L MCL)	09/22/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	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	--	--	0.9	--	--	--	--	--	--
	12/13/07	ug/L	--	--	4	--	--	--	--	--	--
	06/25/08	ug/L	--	--	2.2	--	--	--	--	--	--
	07/08/08	ug/L	<10	--	<2.5	--	3.8	--	2.7	<0.50	<0.50
	07/09/08	ug/L	<10	--	1.9	--	<5	--	2.4	<0.50	<0.50
	07/10/08	ug/L	5.2	--	1.5	--	3.1	--	1.4	<0.50	<0.50
	07/15/08	ug/L	<5.0	--	1.8	--	<5	--	1.5	<0.50	<0.50
	07/16/08	ug/L	5.5	--	1.7	--	<5	--	1.5	<0.50	<0.50
	07/23/08	ug/L	<10	--	1.2	--	<5	--	1.2	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,2-Dichloroethane (cont'd)	07/30/08	ug/L	<10	--	1.1	--	<5	--	1.3	<0.50	<0.50
(0.5 ug/L MCL)	08/06/08	ug/L	<5.0	--	<1.0	--	<5	--	2.1	<0.50	<0.50
	08/25/08	ug/L	<5.0	--	0.62	--	<2.5	--	0.79	<0.50	<0.50
	09/24/08	ug/L	<2.5	--	0.57	--	<2.5	--	0.51	<0.50	<0.50
	10/22/08	ug/L	<2.5	--	0.5	--	<1	--	<0.50	<0.50	<0.50
	11/26/08	ug/L	<2.5	--	0.65	--	1	--	0.62	<0.50	<0.50
	02/25/09	ug/L	<2.5	--	0.93	--	<1	--	0.5	<0.50	<0.50
	03/18/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	04/29/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	05/27/09	ug/L	<2.5	--	0.76	--	<1	--	0.5	<0.50	<0.50
	06/29/09	ug/L	0.81	--	0.53	--	0.68	--	0.5	0.53	<0.50
	07/22/09	ug/L	<1	--	0.64	--	<1	--	<0.50	0.57	<0.50
	08/14/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	0.59	<0.50
	09/11/09	ug/L	<2.5	--	0.7	--	<1	--	<0.50	0.62	<0.50
	10/08/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	0.66	<0.50
	12/09/09	ug/L	<0.50	--	2.1	--	1.1	--	0.61	0.57	<0.50
	03/05/10	ug/L	<1.0	--	1.6	--	--	--	--	--	--
	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	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/23/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/25/10	ug/L	--	--	--	<0.16	--	--	<0.16	<0.16	<0.16
	06/10/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/11/10	ug/L	<2.0	--	1.9	--	--	--	--	--	--
	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	--	2.4	--	--	--	--	--	--
	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	<5.0	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	1.4	<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	5.7	--	0.59	--	--	--	--	--	--
	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	5	--	<0.50	--	--	--	--	--	--
	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	<5	--	0.61	--	--	--	--	--	--
	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	4.9	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50
	12/07/11	ug/L	<10	--	--	<0.50	<5	--	1.3	<0.50	<0.50
	01/06/12	ug/L	<10	--	--	<0.50	0.58	--	<0.50	<0.50	<0.50
	02/06/12	ug/L	--	--	<0.50	--	--	--	--	--	--
	02/08/12	ug/L	<4	--	--	<0.50	<1	--	<0.50	<0.50	<0.50
	03/09/12	ug/L	<4	--	--	<0.50	<1	--	<0.50	<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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,2-Dichloroethane (cont'd)	08/03/12	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
(0.5 ug/L MCL)	08/06/12	ug/L	<5	--	<0.50	--	--	--	--	--	--
	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	<5	--	<0.50	<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	5.8	--	<0.50	--	--	--	--	--	--
	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	3.4	--	<0.50	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.50
	06/13/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	07/02/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	07/03/13	ug/L	--	--	--	--	--	--	--	--	--
	08/10/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/12/13	ug/L	3.5	--	0.56	--	--	--	--	--	--
	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	4.2	--	<0.50	--	--	--	--	--	--
	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	7.2	--	1.1	--	--	--	--	--	--
	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	--	--	2.1	--	--	--	--	--	--
	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	3.4	--	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	--	0.55	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/04/14	ug/L	0.72	--	4	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	12/18/14	ug/L	--	0.86	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/19/15	ug/L	--	0.5	--	<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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,2-Dichloroethane (cont'd)	12/03/15	ug/L	--	0.82	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(0.5 ug/L MCL)	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	--	0.7	--	<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
	02/03/17	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/17	ug/L	4.9	--	<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	--	0.5	--	--	--	--	--	--
	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,2-Dichloroethane (cont'd)	02/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(0.5 ug/L MCL)	02/27/18	ug/L	<2.5	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/29/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	05/17/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/02/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/16/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	09/11/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	2.4 J	--	<0.50	--	--	--	--	--	--
	11/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/07/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/13/19	ug/L	3.3	--	<0.50	--	--	--	--	--	--
	02/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	<2.5	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/20/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	3.4	<0.50	0.43 J	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/19	ug/L	--	<5.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/19	ug/L	<0.50	--	<0.50	--	--	--	--	--	--
	11/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	<0.50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,2-Dichloroethane (cont'd)	05/21/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(0.5 ug/L MCL)	05/26/20	ug/L	5.0	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	4.9	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	1.7	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	4.1	<0.50	< 0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	06/22/05	ug/L	--	--	<0.50	--	--	--	--	--	--
(6 ug/L MCL)	09/22/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	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	--	--	<0.50	--	--	--	--	--	--
	12/13/07	ug/L	--	--	0.52	--	--	--	--	--	--
	06/25/08	ug/L	--	--	<0.50	--	--	--	--	--	--
	07/08/08	ug/L	<10	--	<2.5	--	0.95	--	<0.50	<0.50	<0.50
	07/09/08	ug/L	<10	--	<0.50	--	<5	--	<0.50	<0.50	<0.50
	07/10/08	ug/L	<5.0	--	<0.50	--	0.9	--	<0.50	<0.50	<0.50
	07/15/08	ug/L	<5.0	--	<1.0	--	<5	0.57	<0.50	<0.50	<0.50
	07/16/08	ug/L	<5.0	--	<1.0	--	<5	--	<0.50	<0.50	<0.50
	07/23/08	ug/L	<10	--	<1.0	--	<5	--	<0.50	<0.50	<0.50
	07/30/08	ug/L	<10	--	<1.0	--	<5	--	<0.50	<0.50	<0.50
	08/06/08	ug/L	<5.0	--	<1.0	--	<5	--	<0.50	<0.50	<0.50
	08/25/08	ug/L	<5.0	--	<0.50	--	<2.5	--	<0.50	<0.50	<0.50
	09/24/08	ug/L	<2.5	--	<0.50	--	<2.5	--	<0.50	<0.50	<0.50
	10/22/08	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	11/26/08	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	02/25/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	03/18/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	04/29/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	05/27/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	06/29/09	ug/L	0.63	--	<0.50	--	<0.50	--	<0.50	<0.50	<0.50
	07/22/09	ug/L	1	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	08/14/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	09/11/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	10/08/09	ug/L	<2.5	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	12/09/09	ug/L	<0.50	--	<0.50	--	<1	--	<0.50	<0.50	<0.50
	03/05/10	ug/L	<1	--	<1	--	--	--	--	--	--
	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
cis-1,2-Dichloroethene (cont'd)	04/09/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	04/13/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/23/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/25/10	ug/L	--	--	--	<0.15	--	--	<0.15	<0.15	<0.15
	06/10/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/11/10	ug/L	<2.0	--	<1	--	--	--	--	--	--
	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	--	--	--	--	--	--
	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	<5.0	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	<1	<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	<0.50	--	<0.50	--	--	--	--	--	--
	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	<0.50	--	<0.50	--	--	--	--	--	--
	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	<0.50	--	<0.50	--	--	--	--	--	--
	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	<2.5	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50
	12/07/11	ug/L	<10	--	--	<0.50	<5	--	<0.50	<0.50	<0.50
	01/06/12	ug/L	<10	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/12	ug/L	--	--	<0.50	--	--	--	--	--	--
	02/08/12	ug/L	<4	--	--	<0.50	<1	--	<0.50	<0.50	<0.50
	03/09/12	ug/L	<4	--	--	<0.50	<1	--	<0.50	<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	--	<1	--	--	--	--	--	--
	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	<5	--	<0.50	<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	<2.5	--	<0.50	--	--	--	--	--	--
	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	<2.5	--	<0.50	--	--	--	--	--	--
	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	<2.5	--	<0.50	--	--	--	--	--	--
	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	<2.5	--	<0.50	--	--	--	--	--	--
	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
cis-1,2-Dichloroethene (cont'd)	02/03/14	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
(6 ug/L MCL)	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	--	--	<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	<2.5	--	<2.5	--	--	--	--	--	--
	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	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/04/14	ug/L	1.1	--	<1	--	--	--	--	--	--
	12/18/14	ug/L	--	0.6	--	<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
	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	--	<0.50	--	--	--	--	--	--
	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
cis-1,2-Dichloroethene (cont'd)	12/15/16	ug/L	--	<0.50	--	<0.50	--	--	--	--	--
(6 ug/L MCL)	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
	02/06/17	ug/L	<2.5	--	<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
	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	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/29/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	05/17/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/02/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/16/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	09/11/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	1.2 J	--	<0.50	--	--	--	--	--	--
	11/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
cis-1,2-Dichloroethene (cont'd)	02/07/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(6 ug/L MCL)	02/13/19	ug/L	<2.5	--	<0.50	--	--	--	--	--	--
	02/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	1.2 J	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/20/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	2.2	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/19	ug/L	--	<5.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/19	ug/L	1.1	--	<0.50	--	--	--	--	--	--
	11/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	0.92	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	1.2	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	1.3	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	1.0	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	1.2	< 0.50	< 0.50	< 0.50	<0.50	--	<0.50	<0.50	<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	--	--	<0.50	--	--	--	--	--	--
	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	--	--	--	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Tetrachloroethene (cont'd)	06/22/07	ug/L	--	--	<0.50	--	--	--	--	--	--
(5 ug/L MCL)	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	<0.50	<0.50
	07/09/08	ug/L	10	--	2.2	--	6.6	--	0.51	<0.50	<0.50
	07/10/08	ug/L	12	--	2.1	--	6.3	--	<0.50	<0.50	<0.50
	07/15/08	ug/L	12	--	2.3	--	<5	1.8	<0.50	<0.50	<0.50
	07/16/08	ug/L	10	--	1.8	--	<5	--	<0.50	<0.50	<0.50
	07/23/08	ug/L	<10	--	2.3	--	5.8	--	<0.50	<0.50	<0.50
	07/30/08	ug/L	<10	--	1.2	--	<5	--	<0.50	<0.50	<0.50
	08/06/08	ug/L	7	--	<1.0	--	<5	--	0.66	<0.50	<0.50
	08/25/08	ug/L	5.1	--	0.84	--	3	--	<0.50	<0.50	<0.50
	09/24/08	ug/L	3.4	--	0.94	--	<2.5	--	<0.50	<0.50	<0.50
	10/22/08	ug/L	3.2	--	0.66	--	2	--	<0.50	<0.50	<0.50
	11/26/08	ug/L	2.6	--	0.63	--	1.9	--	<0.50	<0.50	<0.50
	02/25/09	ug/L	<2.5	--	1.1	--	1.6	--	<0.50	<0.50	<0.50
	03/18/09	ug/L	<2.5	--	<0.50	--	1.3	--	<0.50	<0.50	<0.50
	04/29/09	ug/L	<2.5	--	0.6	--	1.3	--	<0.50	<0.50	<0.50
	05/27/09	ug/L	<2.5	--	0.79	--	1.3	--	<0.50	<0.50	<0.50
	06/29/09	ug/L	2.1	--	0.76	--	1.2	--	<0.50	<0.50	<0.50
	07/22/09	ug/L	1.6	--	0.66	--	1.1	--	<0.50	<0.50	<0.50
	08/14/09	ug/L	<2.5	--	<0.50	--	1.1	--	<0.50	<0.50	<0.50
	09/11/09	ug/L	<2.5	--	0.66	--	1.2	--	<0.50	<0.50	<0.50
	10/08/09	ug/L	<2.5	--	<0.50	--	1.1	--	<0.50	<0.50	<0.50
	12/09/09	ug/L	<0.50	--	2	--	1.1	--	<0.50	<0.50	<0.50
	03/05/10	ug/L	<1.0	--	1.9	--	--	--	--	--	--
	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	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/23/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/25/10	ug/L	--	--	--	<0.19	--	--	<0.19	<0.19	<0.19
	06/10/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/11/10	ug/L	<2.0	--	1.9	--	--	--	--	--	--
	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	--	2	--	--	--	--	--	--
	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	<5.0	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	1.4	<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	8.7	--	0.82	--	--	--	--	--	--
	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	5.8	--	0.5	--	--	--	--	--	--
	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	5.6	--	0.67	--	--	--	--	--	--
	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	5.6	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Tetrachloroethene (cont'd)	12/07/11	ug/L	<10	--	--	<0.50	<5	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	01/06/12	ug/L	<10	--	--	<0.50	1.2	--	<0.50	<0.50	<0.50
	02/06/12	ug/L	--	--	<0.50	--	--	--	--	--	--
	02/08/12	ug/L	<4	--	--	<0.50	<1	--	<0.50	<0.50	<0.50
	03/09/12	ug/L	<4	--	--	<0.50	<1	--	<0.50	<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	--	0.78	--	--	--	--	--	--
	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	--	<0.50	--	--	--	--	--	--
	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	6.1	--	<0.50	<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	5.1	--	<0.50	--	--	--	--	--	--
	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	4.5	--	<0.50	--	--	--	--	--	--
	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.50
	06/13/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	07/02/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	07/03/13	ug/L	--	--	--	--	--	--	--	--	--
	08/10/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	08/12/13	ug/L	3.4	--	0.76	--	--	--	--	--	--
	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	3.3	--	0.55	--	--	--	--	--	--
	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	5.2	--	1.1	--	--	--	--	--	--
	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	--	--	1.6	--	--	--	--	--	--
	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	3.6	--	3.8	--	--	--	--	--	--
	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	--	0.78	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/04/14	ug/L	0.85	--	4.3	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	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 D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Tetrachloroethene (cont'd)	05/01/15	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	05/12/15	ug/L	5	--	0.83	--	--	--	--	--	--
	06/05/15	ug/L	--	1	--	<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	--	<0.50	<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	--	<0.50	<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	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/16	ug/L	--	0.9	--	<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	--	0.6	--	<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
	02/06/17	ug/L	6	--	<0.50	--	--	--	--	--	--
	02/09/17	ug/L	--	0.7	--	--	--	--	--	--	--
	02/16/17	ug/L	--	0.7	--	<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	--	--	--	--	--	--
	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	--	0.7	--	<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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Tetrachloroethene (cont'd)	09/14/17	ug/L	--	0.98	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	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	--	0.6	--	<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	--	0.52	--	<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	3.2	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/29/18	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	0.55	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	0.58	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	2.6	--	<0.50	--	--	--	--	--	--
	05/17/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/19/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/02/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/16/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	3	--	0.27 J	--	--	--	--	--	--
	09/11/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	3.4	--	<0.50	--	--	--	--	--	--
	11/15/18	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	0.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	< 0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	< 0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	0.59	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/07/19	ug/L	--	< 0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/13/19	ug/L	3	--	< 0.50	--	--	--	--	--	--
	02/21/19	ug/L	--	< 0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	0.54	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	<2.5	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/20/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/03/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	0.54	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	2.7	0.69	0.33 J	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	0.55	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/19	ug/L	--	<5.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/19	ug/L	2.0	--	<0.50	--	--	--	--	--	--
	11/21/19	ug/L	--	0.57	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Tetrachloroethene (cont'd)	12/19/19	ug/L	--	0.55	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	01/02/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	2.3	<0.50	0.16 J	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	0.62	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	0.86	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	4.6	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	0.52	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	4.5	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	0.58	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	0.76	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	0.53	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	0.51	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	1.8	--	<0.50	--	--	--	--	--	--
	11/05/20	ug/L	--	0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/19/20	ug/L	--	0.61	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/03/20	ug/L	--	0.54	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	0.55	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	0.60	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	< 0.50	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	0.59	--	< 0.50	<0.50	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	3.6	0.61	< 0.50	< 0.50	<0.50	--	<0.50	<0.50	<0.50
Trichloroethene	06/22/05	ug/L	--	--	1.9	--	--	--	--	--	--
(5 ug/L MCL)	09/22/05	ug/L	--	--	<0.50	--	--	--	--	--	--
	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	<0.50	<0.50
	07/09/08	ug/L	25	--	1.9	--	15	--	<0.50	<0.50	<0.50
	07/10/08	ug/L	23	--	1.3	--	12	--	<0.50	<0.50	<0.50
	07/15/08	ug/L	30	--	1.4	--	14	--	<0.50	<0.50	<0.50
	07/16/08	ug/L	26	--	1.9	--	15	--	<0.50	<0.50	<0.50
	07/23/08	ug/L	24	--	1.2	--	12	--	<0.50	<0.50	<0.50
	07/30/08	ug/L	20	--	1	--	9	--	<0.50	<0.50	<0.50
	08/06/08	ug/L	19	--	<1.0	--	10	--	<0.50	<0.50	<0.50
	08/25/08	ug/L	16	--	0.65	--	8.7	--	<0.50	<0.50	<0.50
	09/24/08	ug/L	16	--	1.3	--	3.8	--	<0.50	<0.50	<0.50
	10/22/08	ug/L	14	--	0.54	--	7.3	--	<0.50	<0.50	<0.50
	11/26/08	ug/L	12	--	0.51	--	8.4	--	<0.50	<0.50	<0.50
	02/25/09	ug/L	12	--	1	--	6.7	--	<0.50	<0.50	<0.50
	03/18/09	ug/L	11	--	<0.50	--	5.6	--	<0.50	<0.50	<0.50
	04/29/09	ug/L	14	--	<0.50	--	6.7	--	<0.50	<0.50	<0.50
	05/27/09	ug/L	14	--	0.9	--	7.2	--	<0.50	<0.50	<0.50
	06/29/09	ug/L	17	--	0.58	--	8.1	--	<0.50	<0.50	<0.50
	07/22/09	ug/L	16	--	0.62	--	7.7	--	<0.50	<0.50	<0.50
	08/14/09	ug/L	18	--	<0.50	--	8.7	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Trichloroethene (cont'd)	09/11/09	ug/L	14	--	0.6	--	7.5	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	10/08/09	ug/L	19	--	<0.50	--	9.4	--	<0.50	<0.50	<0.50
	12/09/09	ug/L	12	--	1.7	--	7.4	--	<0.50	<0.50	<0.50
	03/05/10	ug/L	14	--	1.6	--	--	--	--	--	--
	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	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	04/23/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	05/25/10	ug/L	--	--	--	<0.15	--	--	<0.15	<0.15	<0.15
	06/10/10	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/11/10	ug/L	22	--	1.6	--	--	--	--	--	--
	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	21	--	2	--	--	--	--	--	--
	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	23	--	--	--	--	--	--	--	--
	12/07/10	ug/L	--	--	1.2	<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	23	--	0.54	--	--	--	--	--	--
	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	24	--	0.52	--	--	--	--	--	--
	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	24	--	0.55	--	--	--	--	--	--
	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	22	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50
	12/07/11	ug/L	20	--	--	<0.50	<5	--	<0.50	<0.50	<0.50
	01/06/12	ug/L	13	--	--	<0.50	4.3	--	<0.50	<0.50	<0.50
	02/06/12	ug/L	--	--	<0.50	--	--	--	--	--	--
	02/08/12	ug/L	11	--	--	<0.50	3.4	--	<0.50	<0.50	<0.50
	03/09/12	ug/L	14	--	--	<0.50	3.8	--	<0.50	<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	11	--	<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	12	--	<0.50	--	--	--	--	--	--
	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	16	--	<0.50	<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	19	--	<0.50	--	--	--	--	--	--
	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	15	--	<0.50	--	--	--	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Trichloroethene (cont'd)	05/29/13	ug/L	--	--	--	--	--	--	--	--	<0.50
(5 ug/L MCL)	06/13/13	ug/L	--	--	--	<0.50	--	--	<0.50	<0.50	<0.50
	06/17/13	ug/L	--	--	--	--	--	--	--	--	--
	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	19	--	<0.50	--	--	--	--	--	--
	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	13	--	0.54	--	--	--	--	--	--
	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	17	--	0.81	--	--	--	--	--	--
	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	--	--	1.2	--	--	--	--	--	--
	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	--	--	--	--	0.6	--	<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	18	--	3.1	--	--	--	--	--	--
	08/22/14	ug/L	--	--	--	--	<0.50	--	<0.50	<0.50	<0.50
	08/29/14	ug/L	--	--	--	--	0.65	--	<0.50	<0.50	<0.50
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	11/03/14	ug/L	--	4.6	--	<0.50	0.97	--	<0.50	<0.50	<0.50
	11/04/14	ug/L	19	--	3.3	--	--	--	--	--	--
	12/11/14	ug/L	--	--	--	--	--	--	--	--	<0.50
	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	--	<0.50	<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
	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	--	<0.50	<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	0.7	--	<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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Trichloroethene (cont'd)	06/16/16	ug/L	--	2.5	--	<0.50	0.69	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	07/07/16	ug/L	--	3.1	--	<0.50	0.8	--	<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	--	<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
	02/06/17	ug/L	16	--	<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
	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	--	<0.50	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	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/17	ug/L	--	1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/17	ug/L	--	0.73	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/14/17	ug/L	--	0.99	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/04/18	ug/L	--	0.88	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/18/18	ug/L	--	0.76	--	<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	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/18	ug/L	--	--	<0.50	--	--	--	--	--	--
	03/29/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/05/18	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/19/18	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/03/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/08/18	ug/L	11	--	<0.50	--	--	--	--	--	--
	05/17/18	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/07/18	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/21/18	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/05/18	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/19/18	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Trichloroethene (cont'd)	08/02/18	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	08/16/18	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/24/18	ug/L	16	--	<0.50	--	--	--	--	--	--
	09/11/18	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/20/18	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/05/18	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/18/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/01/18	ug/L	--	--	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/18	ug/L	15	--	0.39 J	--	--	--	--	--	--
	11/15/18	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/04/18	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/18	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/03/19	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/24/19	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/07/19	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/13/19	ug/L	12	--	<0.50	--	--	--	--	--	--
	02/21/19	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/05/19	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/21/19	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/04/19	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/18/19	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/02/19	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/16/19	ug/L	11	2.0	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/06/19	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/20/19	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/03/19	ug/L	--	1.7	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/18/19	ug/L	--	2.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/01/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/15/19	ug/L	20	2.3	<0.50	<0.50	0.74	--	<0.50	<0.50	<0.50
	09/05/19	ug/L	--	4.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/19/19	ug/L	--	1.7	--	<0.50	0.67	--	<0.50	<0.50	<0.50
	10/04/19	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/21/19	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/06/19	ug/L	--	<5.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/20/19	ug/L	20	--	<0.50	--	--	--	--	--	--
	11/21/19	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/02/19	ug/L	--	2.0	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	12/19/19	ug/L	--	2.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/02/20	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	01/16/20	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/06/20	ug/L	17	1.7	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	02/20/20	ug/L	--	1.7	--	<0.50	0.53	--	<0.50	<0.50	<0.50
	03/05/20	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	03/19/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/02/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	04/16/20	ug/L	--	<0.50	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/07/20	ug/L	--	1.3	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/21/20	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	05/26/20	ug/L	15	--	<0.50	--	--	--	--	--	--
	06/05/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	06/18/20	ug/L	--	1.4	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/02/20	ug/L	--	1.6	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	07/16/20	ug/L	--	1.2	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/06/20	ug/L	14	1.4	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50
	08/20/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/03/20	ug/L	--	1.5	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	09/17/20	ug/L	--	1.9	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/01/20	ug/L	--	1.8	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	10/15/20	ug/L	--	2.1	--	<0.50	<0.50	--	<0.50	<0.50	<0.50
	11/03/20	ug/L	14	--	0.46J	--	--	--	--	--	--
	11/05/20	ug/L	--	2.0	--	<0.50	0.73	--	<0.50	<0.50	<0.50

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Trichloroethene (cont'd)	11/19/20	ug/L	--	2.4	--	<0.50	0.70	--	<0.50	<0.50	<0.50
(5 ug/L MCL)	12/03/20	ug/L	--	2.2	--	< 0.50	0.74	--	<0.50	<0.50	<0.50
	12/17/20	ug/L	--	2.0	--	< 0.50	0.58	--	<0.50	<0.50	<0.50
	01/07/21	ug/L	--	2.1	--	< 0.50	0.71	--	<0.50	<0.50	<0.50
	01/21/21	ug/L	--	2.0	--	< 0.50	0.64	--	<0.50	<0.50	<0.50
	02/04/21	ug/L	--	2.2	--	< 0.50	0.64	--	<0.50	<0.50	<0.50
	02/18/21	ug/L	15	1.9	< 0.50	< 0.50	0.63	--	<0.50	<0.50	<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	--	--
	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	--	--
	09/11/09	ug/L	63	--	120	--	90	--	2.6	--	--
	10/08/09	ug/L	76	--	87	--	82	--	<2	--	--
	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	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,4-Dioxane (cont'd)	01/13/11	ug/L	--	--	--	29	--	--	6.4	--	--
(1 ug/L California Notification Level)	02/03/11	ug/L	--	--	--	22	--	--	<2	--	--
	03/02/11	ug/L	--	--	--	16	--	--	0.43	--	--
	03/24/11	ug/L	93	--	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	360	--	80	--	--	--	--	--	--
	09/09/11	ug/L	--	--	--	20	--	--	0.49	--	0.5
	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	--	--	--	--	--	--
	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	--	--
	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	--	--	0.7	--	--
	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	--	--
	08/04/14	ug/L	--	--	--	--	12	--	2.2	--	--
	08/05/14	ug/L	--	--	--	--	11	--	0.8	--	--
	08/06/14	ug/L	--	--	--	--	11	--	2.1	--	--
	08/07/14	ug/L	--	--	--	--	11	--	1.8	--	--
	08/08/14	ug/L	--	--	--	--	8.8	--	2	--	--
	08/15/14	ug/L	--	--	--	--	13	--	9.8	--	--
	08/18/14	ug/L	360	--	970	--	--	--	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,4-Dioxane (cont'd)	08/22/14	ug/L	--	--	--	--	8.5	--	1.2	--	--
(1 ug/L California Notification Level)	08/29/14	ug/L	--	--	--	--	15	--	11	--	--
	09/15/14	ug/L	--	--	--	--	--	--	--	--	<0.2
	11/03/14	ug/L	--	97	--	6.3	27	--	11	--	--
	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	--	--	--	--	--	--
	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	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
	02/06/17	ug/L	230	--	36	--	--	--	--	--	--
	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	21	--	<0.2	<0.2	<0.2
	03/16/17	ug/L	--	95	--	<2.0	<2.0	--	<0.2	<0.2	<0.2

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,4-Dioxane (cont'd)	04/06/17	ug/L	--	55	--	2.4	15	--	<0.2	<0.2	<0.2
(1 ug/L California Notification Level)	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
	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	--	--	--	--	--	--	--	--
	03/15/18	ug/L	--	40	--	<2.0	8.3	--	<0.2	<0.2	<0.2
	03/19/18	ug/L	--	--	14	--	--	--	--	--	--
	03/29/18	ug/L	--	66	--	<2.0	13	--	<0.2	<0.2	<0.2
	04/05/18	ug/L	--	31	--	3.1	7.2	--	<0.2	<0.2	<0.2
	04/19/18	ug/L	--	27	--	<2.0	7.1	--	<0.2	<0.2	<0.2
	05/03/18	ug/L	--	43	--	<2.0	9.4	--	<0.2	<0.2	<0.2
	05/08/18	ug/L	73	--	23	--	--	--	--	--	--
	05/17/18	ug/L	--	47	--	<2.0	8.3	--	<0.2	<0.2	<0.2
	06/07/18	ug/L	--	44	--	<2.0	13	--	<0.2	<0.2	<0.2
	06/21/18	ug/L	--	47	--	7.1	16	--	<0.2	<0.2	<0.2
	07/05/18	ug/L	--	56	--	<2.0	15	--	<0.2	<0.2	<0.2
	07/19/18	ug/L	--	61	--	<2.0	14	--	<0.2	<0.2	<0.2
	08/02/18	ug/L	--	65	--	6.8	16	--	<0.2	<0.2	<0.2
	08/16/18	ug/L	--	62	--	<2.0	14	--	<0.2	<0.2	<0.2
	09/11/18	ug/L	--	70	--	<2.0	21	--	<0.2	<0.2	<0.2
	09/14/18	ug/L	200	--	41	--	--	--	--	--	--
	09/20/18	ug/L	--	72	--	7	18	--	<0.2	<0.2	<0.2
	10/05/18	ug/L	--	97	--	9	22	--	<0.2	<0.2	<0.2
	10/18/18	ug/L	--	--	--	6.3	8	--	<0.2	<0.2	<0.2
	11/01/18	ug/L	--	--	--	7.5	7.5	--	<0.2	<0.2	<0.2
	11/06/18	ug/L	310	--	55	--	--	--	--	--	--
	11/15/18	ug/L	--	140	--	8.4	35	--	<0.2	<0.2	<0.2
	12/04/18	ug/L	--	72	--	5.1	24	--	<0.2	<0.2	<0.2
	12/19/18	ug/L	--	91	--	3.5	18	--	<0.2	<0.2	<0.2
	01/03/19	ug/L	--	110	--	<2.0	25	--	<0.2	<0.2	<0.2
	01/24/19	ug/L	--	110	--	<2.0	29	--	<0.2	<0.2	<0.2
	02/07/19	ug/L	--	93	--	<2.0	23	--	<0.2	<0.2	<0.2
	02/13/19	ug/L	670	--	17	--	--	--	--	--	--
	02/21/19	ug/L	--	120	--	<2.0	25	--	<0.2	<0.2	<0.2
	03/05/19	ug/L	--	110	--	<2.0	26	--	<0.2	<0.2	<0.2
	03/21/19	ug/L	--	100	--	4.4	25	--	<0.2	<0.2	<0.2
	04/04/19	ug/L	--	100	--	5.0	27	--	<0.2	<0.2	<0.2
	04/18/19	ug/L	--	100	--	6.8	28	--	<0.2	<0.2	<0.2
	05/02/19	ug/L	--	110	--	8.6	31	--	<0.2	<0.2	<0.2
	05/16/19	ug/L	800	110	47	8.0	34	--	<0.2	0.31	<0.2
	06/06/19	ug/L	--	100	--	7.2	19	--	<0.2	<0.2	<0.2

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
1,4-Dioxane (cont'd)	06/20/19	ug/L	--	92	--	13	31	--	<0.2	<0.2	<0.2
(1 ug/L California Notification Level)	07/03/19	ug/L	--	100	--	8.0	32	--	1.2	0.97	0.82
	07/18/19	ug/L	--	110	--	9.4	30	--	<0.2	<0.2	<0.2
	08/01/19	ug/L	--	110	--	8.3	32	--	<0.2	<0.2	<0.2
	08/15/19	ug/L	510	120	42	12	35	--	<0.2	<0.2	<0.2
	09/05/19	ug/L	--	130	--	10	37	--	<0.20	<0.20	<0.20
	09/19/19	ug/L	--	120	--	10	34	--	<0.20	<0.20	<0.20
	10/04/19	ug/L	--	110	--	8.8	29	--	<0.20	0.41	0.42
	10/21/19	ug/L	--	86	--	5.6	22	--	<0.20	0.54	1.1
	11/06/19	ug/L	--	100	--	9.4	28	--	<0.20	<0.20	<0.20
	11/20/19	ug/L	360	--	41	--	--	--	--	--	--
	11/21/19	ug/L	--	130	--	11	36	--	<0.20	<0.20	<0.20
	12/02/19	ug/L	--	120	--	11	32	--	<0.20	<0.20	<0.20
	12/19/19	ug/L	--	100	--	8.4	29	--	<0.20	<0.20	<0.20
	01/02/20	ug/L	--	91	--	8.8	25	--	<0.20	<0.20	<0.20
	01/16/20	ug/L	--	100	--	7.9	30	--	<0.20	<0.20	<0.20
	02/06/20	ug/L	460	100	34	8.9	26	--	<0.20	<0.20	<0.20
	02/20/20	ug/L	--	120	--	9.4	39	--	<0.20	<0.20	<0.20
	03/05/20	ug/L	--	120	--	7.1	33	--	<0.20	<0.20	<0.20
	03/19/20	ug/L	--	110	--	6.8	30	--	<0.20	<0.20	<0.20
	04/02/20	ug/L	--	75	--	5.8	21	--	<0.20	<0.20	<0.20
	04/16/20	ug/L	--	81	--	5.4	23	--	<0.20	<0.20	<0.20
	05/07/20	ug/L	--	95	--	2.5	24	--	0.72	1.1	1.0
	05/21/20	ug/L	--	91	--	7.5	23	--	<0.20	<0.20	<0.20
	05/26/20	ug/L	740	--	11	--	--	--	--	--	--
	06/05/20	ug/L	--	91	--	3.7	25	--	<0.20	<0.20	<0.20
	06/18/20	ug/L	--	83	--	8.3	21	--	<0.20	<0.20	<0.20
	07/02/20	ug/L	--	78	--	6.6	21	--	<0.20	<0.20	<0.20
	07/16/20	ug/L	--	83	--	7.4	18	--	<0.20	<0.20	<0.20
	08/06/20	ug/L	700	78	18	8.4	20	--	<0.20	<0.20	<0.20
	08/20/20	ug/L	--	75	--	6.4	20	--	<0.20	<0.20	<0.20
	09/03/20	ug/L	--	81	--	8.7	20	--	<0.20	<0.20	--
	09/11/20	ug/L	--	--	--	--	--	--	--	--	<0.20
	09/17/20	ug/L	--	94	--	5.1	23	--	<0.20	<0.20	<0.20
	10/01/20	ug/L	--	87	--	11	24	--	<0.20	<0.20	<0.20
	10/15/20	ug/L	--	100	--	12	30	--	<0.20	<0.20	<0.20
	11/03/20	ug/L	600	--	46	--	--	--	--	--	--
	11/05/20	ug/L	--	100	--	8.6	34	--	<0.20	<0.20	<0.20
	11/19/20	ug/L	--	96	--	6.8	28	--	<0.20	<0.20	<0.20
	12/03/20	ug/L	--	100	--	11	32	--	<0.20	<0.20	<0.20
	12/17/20	ug/L	--	96	--	11	40	--	<0.20	<0.20	<0.20
	01/07/21	ug/L	--	90	--	8.0	27	--	<0.20	<0.20	<0.20
	01/21/21	ug/L	--	88	--	8.5	28	--	<0.20	<0.20	<0.20
	02/04/21	ug/L	--	75	--	8.0	26	--	<0.20	<0.20	<0.20
	02/18/21	ug/L	610	120	47	21	37	--	<0.20	<0.20	<0.20
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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromide (cont'd)	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	--	--	0.3	--	0.29
	04/13/10	mg/L	--	--	--	0.37	--	--	0.33	--	0.32
	04/23/10	mg/L	--	--	--	0.3	--	--	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	--	--	--	0.3	--	--	0.33	--	0.33
	08/02/10	mg/L	--	--	--	0.27	--	--	0.28	--	0.28
	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	--	--	--	0.2	--	--	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	--	--	3	--	3.2
	06/07/11	mg/L	--	--	--	3.2	--	--	3.3	--	3.2
	07/02/11	mg/L	--	--	--	0.64	--	--	0.65	--	0.64
	08/01/11	mg/L	--	--	--	2.3	--	--	2.3	--	2.3
	09/09/11	mg/L	--	--	--	0.48	--	--	0.5	--	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	--	--	0.8	1.4	--	1.5	--	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	--	--	0.5	--	0.19
	09/06/12	mg/L	--	--	--	0.19	--	--	0.19	--	0.21
	10/15/12	mg/L	--	--	--	0.2	--	--	0.2	--	0.19
	11/05/12	mg/L	--	--	--	0.2	--	--	0.2	--	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	--	--	0.2	--	0.21
	05/07/13	mg/L	--	--	--	0.19	--	--	0.2	--	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	--	--	0.2	--	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

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromide (cont'd)	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
	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	--	<0.50	<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	--	0.2	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	--	0.1	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	--	0.2	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	--	0.3	--	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	--	0.2	0.23	--	--	--	--
	02/01/18	mg/L	--	0.33	--	0.19	0.21	--	--	--	--
	03/15/18	mg/L	--	0.33	--	0.18	0.21	--	--	--	--
	04/05/18	mg/L	--	0.4	--	0.2	0.23	--	--	--	--
	05/03/18	mg/L	--	0.37	--	0.21	0.23	--	--	--	--
	06/07/18	mg/L	--	0.59	--	0.35	0.39	--	--	--	--
	07/05/18	mg/L	--	0.39	--	0.21	0.25	--	--	--	--
	08/02/18	mg/L	--	0.44	--	0.25	0.28	--	--	--	--
	09/11/18	mg/L	--	0.47	--	0.26	0.3	--	--	--	--
	10/05/18	mg/L	--	0.66	--	0.32	0.37	--	--	--	--
	11/01/18	mg/L	--	--	--	0.26	0.26	--	--	--	--
	12/04/18	mg/L	--	0.48	--	0.26	0.32	--	--	--	--
	01/03/19	mg/L	--	0.46	--	0.26	0.3	--	--	--	--
	02/07/19	mg/L	--	0.43	--	0.24	0.29	--	--	--	--
	03/05/19	mg/L	--	0.41	--	0.23	0.27	--	--	--	--
	04/04/19	mg/L	--	0.49	--	0.28	0.32	--	--	--	--
	05/02/19	mg/L	--	0.39	--	0.22	0.26	--	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromide (cont'd)	06/06/19	mg/L	--	0.38	--	0.22	0.27	--	--	--	--
	07/03/19	mg/L	--	0.36	--	0.21	0.25	--	--	--	--
	08/01/19	mg/L	--	0.46	--	0.27	0.32	--	--	--	--
	09/05/19	mg/L	--	0.45	--	0.26	0.31	--	--	--	--
	10/04/19	mg/L	--	0.45	--	0.25	0.29	--	--	--	--
	11/06/19	mg/L	--	0.64	--	0.34	0.39	--	--	--	--
	12/02/19	mg/L	--	0.37	--	0.21	0.24	--	--	--	--
	01/02/20	mg/L	--	0.40	--	0.23	0.26	--	--	--	--
	02/06/20	mg/L	--	0.43	--	0.24	0.29	--	--	--	--
	03/05/20	mg/L	--	0.41	--	0.29	0.25	--	--	--	--
	04/02/20	mg/L	--	0.57	--	0.29	0.31	--	--	--	--
	05/07/20	mg/L	--	0.34	--	0.20	0.23	--	--	--	--
	06/05/20	mg/L	--	0.78	--	0.43	0.47	--	--	--	--
	07/02/20	mg/L	--	0.81	--	0.39	0.48	--	--	--	--
	08/06/20	mg/L	--	0.91	--	0.46	0.56	--	--	--	--
	09/03/20	mg/L	--	0.95	--	0.52	0.59	--	--	--	--
	10/01/20	mg/L	--	1.0	--	0.60	0.64	--	--	--	--
	11/05/20	mg/L	--	2.2	--	1.1	1.5	--	--	--	--
	12/03/20	mg/L	--	< 0.05	--	< 0.05	< 0.05	--	--	--	--
	01/07/21	mg/L	--	< 0.05	--	< 0.05	< 0.05	--	--	--	--
	02/04/21	mg/L	--	< 0.05	--	< 0.05	< 0.05	--	--	--	--
Bromate (10 ug/L MCL)	06/22/05	ug/L	--	--	500	--	--	--	--	--	--
	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	--	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	--	<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
	02/25/09	ug/L	<4	--	<4	--	<4	--	5	--	<4
	03/18/09	ug/L	<4	--	<4	--	<4	--	22	--	7
	04/29/09	ug/L	<4	--	<4	--	6	--	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	--	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	--	--	--	<0.50	--	--	16.4	--	30.1
	03/24/10	ug/L	--	--	--	<0.50	--	--	10.5	--	12.4
	03/25/10	ug/L	--	--	--	<0.50	--	--	11.6	--	10.3
	03/26/10	ug/L	--	--	--	<0.50	--	--	8.7	--	5.3
	04/01/10	ug/L	--	--	--	<0.50	--	--	12.7	--	<0.50
	04/09/10	ug/L	--	--	--	<0.50	--	--	9.6	--	10.5
	04/13/10	ug/L	--	--	--	<0.50	--	--	7.3	--	8.4
	04/23/10	ug/L	--	--	--	<0.50	--	--	7.4	--	7
	05/25/10	ug/L	--	--	--	<0.50	--	--	6.8	--	7
	06/10/10	ug/L	--	--	--	<0.50	--	--	7.7	--	6.6
	07/08/10	ug/L	--	--	--	0.6	--	--	7.3	--	6.7
	08/02/10	ug/L	--	--	--	<0.50	--	--	6.8	--	6.8
	09/02/10	ug/L	--	--	--	<0.50	--	--	7	--	7.3
	10/07/10	ug/L	--	--	--	<0.50	--	--	10.9	--	7.1
	11/11/10	ug/L	--	--	--	<0.50	--	--	7	--	11

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromate (cont'd)	12/07/10	ug/L	--	--	--	<0.50	--	--	4.8	--	3.5
(10 ug/L MCL)	01/13/11	ug/L	--	--	--	<0.50	--	--	9.3	--	7.9
	02/03/11	ug/L	--	--	--	<0.50	--	--	7.2	--	7
	03/02/11	ug/L	--	--	--	<0.50	--	--	10.2	--	8.4
	04/01/11	ug/L	--	--	--	<0.50	--	--	7.9	--	7.3
	05/04/11	ug/L	--	--	--	<0.50	--	--	8.6	--	8
	06/07/11	ug/L	--	--	--	<0.50	--	--	8	--	3.2
	07/02/11	ug/L	--	--	--	<0.50	--	--	6.5	--	4.1
	08/01/11	ug/L	--	--	--	<0.50	--	--	6.4	--	5.5
	09/09/11	ug/L	--	--	--	<0.50	--	--	8.1	--	11.9
	10/17/11	ug/L	--	--	--	<0.50	--	--	9.9	--	9.1
	11/01/11	ug/L	--	--	--	<0.50	--	--	11.9	--	7.9
	12/07/11	ug/L	<0.50	--	--	<0.50	<0.50	--	12.3	--	9.3
	01/06/12	ug/L	0.7	--	--	<0.50	1	--	14	--	7.3
	02/08/12	ug/L	<0.50	--	--	<0.50	<0.50	--	14	--	7.3
	03/09/12	ug/L	<0.50	--	--	<0.50	<0.50	--	12	--	12.1
	04/16/12	ug/L	--	--	--	<0.50	--	--	6	--	7.1
	05/01/12	ug/L	--	--	--	<0.50	--	--	8	--	6.3
	06/08/12	ug/L	--	--	--	<0.50	--	--	7	--	3.1
	07/11/12	ug/L	--	--	--	<0.50	--	--	5	--	4.2
	08/03/12	ug/L	--	--	--	<0.50	--	--	5.7	--	5.4
	09/06/12	ug/L	--	--	--	<0.50	--	--	6.7	--	7.1
	10/15/12	ug/L	--	--	--	<0.50	--	--	7.7	--	8.4
	11/05/12	ug/L	--	--	--	<0.50	--	--	5.4	--	6.7
	12/10/12	ug/L	--	--	--	<0.50	--	--	8	--	5.5
	01/04/13	ug/L	--	--	--	0.3	--	--	9	--	7.5
	02/09/13	ug/L	--	--	--	0.4	--	--	9	--	6.6
	03/09/13	ug/L	--	--	--	0.4	--	--	8	--	6.6
	04/15/13	ug/L	--	--	--	<0.3	--	--	7	--	5
	05/07/13	ug/L	--	--	--	0.3	--	--	9	--	6.1
	06/17/13	ug/L	--	--	--	<0.3	--	--	5	--	4.9
	07/03/13	ug/L	--	--	--	<0.3	--	--	5	--	4.2
	08/10/13	ug/L	--	--	--	0.3	--	--	6	--	5.1
	09/03/13	ug/L	--	--	--	0.3	--	--	5	--	4.8
	10/05/13	ug/L	--	--	--	0.3	--	--	8	--	6.2
	11/01/13	ug/L	--	--	--	0.4	--	--	6	--	4.9
	12/11/13	ug/L	--	--	--	0.4	--	--	8	--	6.5
	01/17/14	ug/L	--	--	--	0.3	--	--	5	--	5
	02/11/14	ug/L	--	--	--	0.3	--	--	6	--	5.7
	03/04/14	ug/L	--	--	--	0.6	--	--	5	--	5.1
	08/01/14	ug/L	--	--	--	--	--	--	1.1	--	--
	08/04/14	ug/L	--	--	--	--	--	--	1	--	--
	08/05/14	ug/L	--	--	--	--	--	--	0.3	--	--
	08/06/14	ug/L	--	--	--	--	--	--	1	--	--
	08/07/14	ug/L	--	--	--	--	--	--	0.3	--	--
	08/08/14	ug/L	--	--	--	--	--	--	0.4	--	--
	08/15/14	ug/L	--	--	--	--	--	--	2	--	--
	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	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromate (cont'd)	11/05/15	ug/L	--	--	--	--	--	--	<0.50	--	--
(10 ug/L MCL)	12/03/15	ug/L	--	--	--	--	--	--	<0.3	--	--
	01/07/16	ug/L	--	--	--	--	--	--	<0.3	--	--
	02/01/16	ug/L	--	--	--	--	--	--	<0.50	--	--
	03/03/16	ug/L	--	--	--	--	--	--	<1.0	--	--
	04/05/16	ug/L	--	--	--	--	--	--	<0.50	--	--
	05/05/16	ug/L	--	--	--	--	--	--	<0.50	--	--
	06/01/16	ug/L	--	--	--	--	--	--	<0.50	--	--
	07/07/16	ug/L	--	--	--	--	--	--	<0.50	--	--
	08/04/16	ug/L	--	--	--	--	--	--	<0.50	--	--
	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	--	--
	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	--	--
	03/15/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	04/05/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	05/03/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	06/07/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	07/05/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	08/02/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	09/11/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	10/05/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	11/01/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	12/04/18	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	01/03/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	02/07/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	03/05/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	04/04/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	05/02/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	06/06/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	07/03/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	08/01/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	09/05/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	10/04/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	11/06/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	12/02/19	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	01/02/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	02/06/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	03/05/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	04/02/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	05/07/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	06/05/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	07/02/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	08/06/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	09/03/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	10/01/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	11/05/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Bromate (cont'd)	12/03/20	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
(10 ug/L MCL)	01/07/21	ug/L	--	--	--	--	<0.5	--	<0.5	--	--
	02/04/21	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	--	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Total Non-Filterable Residue (cont'd)	04/05/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	05/05/16	mg/L	--	--	--	--	--	<1.0	--	--	--
	06/01/16	mg/L	--	--	--	--	--	<1.0	<0.50	--	--
	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	--	--	--
	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	--	--	--
	03/15/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	04/05/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	05/03/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	06/07/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	07/05/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	08/02/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	09/11/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	10/05/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	11/01/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	12/04/18	mg/L	--	--	--	--	--	<1.0	--	--	--
	01/03/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	02/07/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	03/05/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	04/04/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	05/02/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	06/06/19	mg/L	--	--	--	--	--	<3.3	--	--	--
	07/03/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	08/01/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	09/05/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	10/04/19	mg/L	--	--	--	--	--	<5.0	--	--	--
	11/06/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	12/02/19	mg/L	--	--	--	--	--	<1.0	--	--	--
	01/02/20	mg/L	--	--	--	--	--	<1.4	--	--	--
	02/06/20	mg/L	--	--	--	--	--	<2.0	--	--	--
	03/05/20	mg/L	--	--	--	--	--	<2.0	--	--	--
	04/02/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	05/07/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	06/05/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	07/02/20	mg/L	--	--	--	--	--	<1.2	--	--	--
	08/06/20	mg/L	--	--	--	--	--	<3.3	--	--	--
	09/03/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	10/01/20	mg/L	--	--	--	--	--	<1.0	--	--	--
	11/05/20	mg/L	--	--	--	--	--	<2.0	--	--	--
	12/03/20	ug/L	--	--	--	--	--	<10	--	--	--
	01/07/21	ug/L	--	--	--	--	--	<10	--	--	--
	02/04/21	ug/L	--	--	--	--	--	<2.0	--	--	--
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	--	--

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Total Filterable Residue (cont'd)	07/10/08	mg/L	1100	--	830	--	970	--	950	--	--
(500 mg/L MCL)	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
	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
	03/15/18	mg/L	--	850	--	670	700	--	700	--	700
	06/07/18	mg/L	--	820	--	650	680	--	680	--	660
	09/11/18	mg/L	--	810	--	650	680	--	670	--	670
	12/04/18	mg/L	--	1300	--	630	670	--	660	--	670
	03/05/19	mg/L	--	760	--	620	650	--	650	--	650
	06/06/19	mg/L	--	780	--	630	670	--	670	--	660
	09/05/19	mg/L	--	830	--	660	690	--	700	--	700

TABLE D-4

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

Compound	Date	Units	MW-21[(a)]	MW-29	EW-01[(a)]	EW-02	INF	PF	POX	CBT	CEFF
Total Filterable Residue (cont'd)	12/02/19	mg/L	--	850	--	630	710	--	700	--	710
(500 mg/L MCL)	03/05/20	mg/L	--	690	--	570	460	--	610	--	630
	06/05/20	mg/L	--	760	--	620	640	--	640	--	630
	09/03/20	mg/L	--	850	--	660	700	--	710	--	690
	12/03/20	mg/L	--	870	--	670	700	--	690	--	700

FOOTNOTES:

[(a)] = inactive extraction wells; extraction wells MW-21 and EW-01 operated from July 2008 to November 2009
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
PF = Post Particulate Filter
POX = Post UV/Chem-Ox
CBT = Carbon Breakthrough
CEFF = Carbon Effluent
E = Data qualified as Estimated in accordance with quality control criteria.
J = Estimated Value; analyte detected at less than the Reporting Limit and greater than or equal to the Method Detection Limit
U = Data qualified as Unusable in accordance with quality control criteria.