Naval Facilities Engineering Systems Command Atlantic
Norfolk, Virginia

Outpost Monitoring Wells Data Summary and Statistical Analysis Report (2004 through Q2 2020)

Site 0001 Operable Unit 2 - Groundwater

NWIRP Bethpage
Bethpage, New York

May 2021

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OUTPOST MONITORING WELLS DATA SUMMARY AND STATISTICAL ANALYSIS REPORT (2004 THROUGH Q2 2020)

SITE 0001 OPERABLE UNIT 2 - GROUNDWATER

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT BETHPAGE
BETHPAGE, NEW YORK

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

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Acronyms and Abbreviations

COC	Chemical of Concern
CI	Confidence Interval
CV	Coefficient of Variance
DCA	Dichloroethane
DCE	Dichloroethene
Freon 113	1,1,2-Trichlorotrifluoroethane
GOCO	Government-Owned/Contractor Operated
LUC	land use control
MK	Mann-Kendall
µg/L	micrograms per liter
MIDLANT	Mid-Atlantic
MCL	Maximum Contaminant Level
MWD	Massapequa Water District
n	Number of Samples
NAVFAC	Naval Facilities Engineering Systems Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
NY	New York
OU	Operable Unit
PA/SI	Preliminary Assessment/Site Inspection
PCE	Tetrachloroethene
PWSCP	Public Water Supply Contingency Plan
RDL	Recorded Detection Limit
S	MK Statistic
SD	Standard Deviation
SFWD	South Farmingdale Water District
TCA	1,1,1-trichloroethane
TCE	Trichloroethene
TVOC	Total Volatile Organic Compounds
VOC	Volatile Organic Compound

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1.0 Introduction

The Department of the Navy, through the Naval Facilities Engineering Systems Command (NAVFAC) Mid-Atlantic (MIDLANT), is conducting concentration trend analysis of site-related chemicals of concern (COC) in groundwater for Outpost Monitoring Wells for Operable Unit (OU) 2 at the former Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage (Figure 1-1), located in the Hamlet of Bethpage, Town of Oyster Bay, Nassau County, Long Island, New York. The purpose of the trend analysis is to evaluate the need for potential additional actions either with the Outpost Monitoring Well Program or public water supplies that may be downgradient of these wells.

1.1 Overall Facility Overview

The former NWIRP Bethpage is located in Nassau County on Long Island, New York; approximately 30 miles east of New York City (Figure 1-1). The facility that would later become NWIRP Bethpage was a government-owned facility that was operated by Northrop Grumman for the research prototyping, testing, design engineering, fabrication, and primary assembly of military aircraft. At their peak, North Grumman's operations at the former NWIRP Bethpage included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, an Industrial Wastewater Treatment Facility, and several smaller support buildings (Figure 1-2). The Navy acquired the property that became the NWIRP Bethpage in 1947.

NWIRP Bethpage was operated by Northrop Grumman until 1996. As a result of Northrop Grumman's decision to terminate operations at NWIRP Bethpage, the U.S. Congress passed special legislation under Section 2852 of the National Defense Authorization Act of 1998 (P.L.105-85, 111 Stat. 1629), permitting conveyance of the Navy-owned real property at NWIRP Bethpage to Nassau County, New York for economic redevelopment. NWIRP Bethpage originally included a main parcel of approximately 105 acres and a separate parcel of approximately 4.5 acres located to the north of the main parcel.

In 2002, the Navy transferred the 4.5-acre parcel to Nassau County. On February 26, 2008, the Navy transferred 96 acres of the 105-acre main parcel to Nassau County and is leasing the remaining 9 acres to Nassau County. Two Navy Environmental Restoration sites located on the main parcel that were transferred, Site 2 - Recharge Basins and Site 3 - Salvage Storage Area, require land use controls (LUCs) and Five-

Year Reviews as a part of the selected remedy. These LUCs are in place and reviews are being conducted. The 9-acre parcel the Navy retains for environmental investigation and remediation includes Navy Environmental Restoration Site 1 – Former Drum Marshalling Area and Site 4 - Former Underground Storage Tank area. Upon successful remediation of the 9-acre parcel, it will also be transferred to Nassau County. The transfer and lease documents provide LUCs and notifications for the long-term management of the property.

Until the 1990s, Northrop Grumman owned and operated approximately 500 acres of property that was adjacent to and surrounded much of the former NWIRP Bethpage (Figure 1-2). Since that time, Northrop Grumman has sold most of the 500 acres. Until 1962, Northrop Grumman also owned an additional 18-acre parcel of land described as the Former Grumman Settling Ponds and Adjacent Areas in NYSDEC's OU3 ROD. Northrop Grumman transferred this parcel to the Town of Oyster Bay in 1962 for construction of the Bethpage Community Park.

1.2 OU2 - Groundwater Overview

OU2 consists of site-related volatile organic compound (VOC)-impacted groundwater beneath the Navy's former 105-acre parcel, and VOC-impacted groundwater that has migrated south and slightly east off-property, where it becomes mixed with contamination originating on the NG property (Figure 1-3). The primary VOC in the OU2 plumes is trichloroethene (TCE). The OU2 groundwater does not include polychlorinated biphenyl (PCB)- and metal (chromium)-impacted groundwater associated with Navy's OU4 remedy or the impacted groundwater associated with Navy's OU3 – Former Underground Storage Tanks.

The on-property portion of the OU2 plumes is captured and treated by the Northrop Grumman Onsite Containment System (ONCT) (Figure 1-3). The off-property portion of the OU2 plumes is captured by the GM38 Area Hotspot Groundwater Treatment System or will be captured to the extent practicable by the planned or under construction facilities for the RE108 Area Hotspot Phase I, Phase II, and Phase II Extension Groundwater Treatment Systems, the Southern Plume Intercept Treatment System to be located near the Southern State Parkway, and natural attenuation.

In support of the Navy's 2003 Record of Decision for OU2 - Groundwater, the Navy prepared the Public Water Supply Contingency Plan (PWSCP) (ARCADIS, 2003). The PWSCP was based on vertical profile boring data and groundwater modeling to identify outpost well locations and to develop groundwater monitoring trigger values (Figure 1-4). The outpost wells were placed horizontally and vertically at locations between the

OU2 plumes and public water supplies. Trigger values are site-related VOC concentrations established for outpost well groundwater samples that when exceeded signify that wellhead treatment or comparable alternative measures may be required to address the potential for a public supply well or well field to be impacted. Table 1-1 lists all of the outpost wells, the associated public water supply wells, trigger values, and whether wellhead treatment has been installed on the public water supply wells.

The PWSCP initially developed numeric trigger values for South Farmingdale Water District (SFWD) Well Field 1 - supply wells N4043 (SFWD Well 1-2) and N5148 (SFWD Well 1-3); South Farmingdale Well Field 3 - supply well N6150 (SFWD Well 3-1); and New York American Water (NYAW) supply wells 3S[1] and 4S (Wells N8480 and N9338). A summary of the outpost wells and trigger values is provided in Table 1-1. A fourth well field evaluated in the PWSCP, Town of Hempstead (Levittown Water District [LWD]) Well N5303 (LWD Well 13), did not have a projected OU2 groundwater impact within a 30 year time period, but outpost wells were still installed between the OU2 plumes and LWD Well 13.

An initial addendum to the PWSCP was prepared in 2015 to provide trigger values for 13 new outpost wells that would provide early warning for two additional public water supply well fields south of the OU2 plumes: South Farmingdale Water District Plant 6, supply wells N8664 (SFWD Well 6-1) and N8665 (SFWD Well 6-2) and Massapequa Water District supply wells N6442 (MWD Well 4) and N6443 (MWD Well 5) (Table 1-1) (Resolution, 2015A).

A second addendum to the PWSCP was prepared in 2016 to provide trigger values for 8 outpost wells installed to supplement or replace existing outpost wells for South Farmingdale Well Fields 1 and 3, New York American Water Wells 3S and 4S, and LWD Well 13 (Table 1-1) (Resolution, 2016).

Of the 28 wells that were installed as outpost wells, 15 continue to be used to monitor potential migration of the OU2 groundwater that may flow toward, and impact public water supplies that do not have treatment for VOCs in place. These public water supply wells consist of SFWD Well 1-4 (and potentially SFWD Well 1-5), SFWD Wells 6-1 and

[1] New York American Water District supply Well 3S (Well N8480) was replaced with Well 3A (Well N14347) in 2018.

6-2, and MWD Wells 4 and 5. The remaining 13 wells continue to be used as monitoring wells.

2.0 Outpost Well Data Evaluation

The OU2 PWSCP identifies 16 COCs, as follow:

- 1,1,1-Trichlorethane (TCA)
- 1,1,2,2-Tetrachloroethane
- 1,1,2-TCA
- 1,1-Dichloroethane (DCA)
- 1,1-Dichloroethene (DCE)
- 1,2-DCA
- 1,2-DCE2
- Carbon Tetrachloride
- Carbon Disulfide
- Chlorobenzene
- Chloroform
- cis-1,2-DCE
- Tetrachloroethene (PCE)
- Trichloroethene (TCE)
- Trichlorotrifluoroethane (Freon 113)
- Trans-1,2-DCE.

Of these chemicals, the most commonly reported site-related COCs are: 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and TCE. These four COCs are evaluated in this report. In addition, total site-related VOCs (TVOC), which are a sum of the 15 VOCs identified above[2], including those that are not necessarily site-related is evaluated in this report.

Also, the emerging chemical of concern, 1,4-dioxane has been measured downgradient of the NWIRP Bethpage and is currently being investigated in a Preliminary Assessment/Site Inspection (PA/SI) to evaluate if the presence of this compound in

[2] 1,2-DCE is a sum of cis- and trans-1,2-dichloroethene, and is not a separate COC.

groundwater can be attributed to operations at the NWIRP Bethpage. Trend analysis was also conducted for this chemical.

Groundwater samples from the outpost monitoring wells are collected by Arcadis, analyzed by various laboratories (more recently SGS North America Inc. and GEL Laboratories), and validated by Arcadis under contract to Northrop Grumman. These results are published in the Northrop Grumman OU2 Annual Operation Maintenance and Monitoring Reports, Annual Groundwater Monitoring Reports, Periodic Review Reports, and Quarterly Groundwater Monitoring Reports.

2.1 Mann-Kendall Analysis

Evaluation of data trends was conducted for the 28 outpost monitoring wells using the Mann-Kendall (MK) analysis (Gilbert, Richard O., 1987, *Statistical Methods for Environmental Pollution Monitoring*). The MK test is a non-parametric analysis for trends in the data over a given interval of time, where sampling events are compared consecutively. The analysis assumes the presence of monotonic data and gauges the rise and fall of data iteratively with a confidence interval (CI) threshold of either 80 or 90 percent. The MK statistic (S) is calculated by comparing the data value of a single sampling event to every event prior. An increase is computed as a +1, a decrease is computed as a -1, and no change is computed as 0; these values, over the length of the sampling period, are summed to produce the respective S statistic. By comparing the absolute value of this statistic, the number of samples (n), and the critical probability value which represents the CI, a conclusion of an ‘increasing’ or ‘decreasing’ trend can be surmised. For the purposes of this evaluation, significant trends were tested at an 80% CI and 90% CI.

In the event that no trend could be found, a stability test was performed in which the coefficient of variance (CV) was calculated based on the relationship between mean and standard deviation (SD). By dividing the SD by the mean, it can be concluded that a CV less than 1 represents a stable data set while a CV greater than 1 indicates an unstable data set.

For some events in which a sample set shows neither trend nor stable/unstable data, these findings result from the reporting of non-detections across the entirety of the sampling period. When the S statistic measures 0 and the SD is calculated at 0, the CV is reported as undefined. This is reflective of the limitations of the MK for stable analytes; in this situation, the trend is neither increasing nor decreasing but is considered stable. Additionally, in the event that an analyte is largely non-detect with a

single outlier near the detection limit, this may result in a calculated CV over 1, falsely indicating an unstable data set.

2.1.1 Analysis Specific Assumptions

A number of assumptions were used to avoid biases and capture both historical and recent trends.

- Where non-detections were present, 50 percent of the lowest recorded detection limit (RDL) was used for analysis across all constituents. For example, if the RDL was a range between 0.5 and 5, presented as less than 0.5 or less than 5, the data was modified to reflect a value of 0.25 µg/L (50% of 0.5 µg/L). This step was completed in order to prevent changes in RD from reporting as trends in the analysis.
- The data sets for each of the individual outpost wells consist of data from the start of monitoring through the most recent sampling event with available data during preparation of this report. Table 2-1 lists the most recent sampling data utilized for each outpost well.
- For wells with less than 18 sampling events, data was reported as is, following modification for non-detection values.
- For wells with greater than 18 sampling events, the data sets were adjusted to use only the maximum annual values for the earlier data and continue to use semi-annually or quarterly data for the more recent years to equal a total of 18 sampling events, which is a limit of the model.

2.2 Results

The data results and statistical analysis are organized by location and well. Discussion of 1,4-dioxane is separate from the site-specific COC results because there is currently no trigger value for 1,4-dioxane and it is being evaluated to determine if its presence in groundwater can be attributed to operations at the NWIRP[3].

[3] 1,4-Dioxane is currently being evaluated as a COC for the NWIRP Bethpage. In addition, in 2020, New York State Department of Health promulgated a Maximum Contaminant Level (MCL) of 1 µg/L for 1,4-dioxane. This MCL is being evaluated as the basis for a potential new trigger value.

Results are summarized in narrative sections below and in associated summary tables. The summary tables identify the water district and purpose for each outpost well cluster; plus additional information including name, date of installation, screened interval, total well depth, COC trigger value, sample interval, annual COCs maximum values, and a summary of the MK analysis.

Table 2-1 provides the properties for each outpost well, including outpost well identification, the associated public water supply well(s), screen intervals, and relevant upgradient groundwater quality. The upgradient data evaluates impacted groundwater that may be flowing toward the outpost wells and which may affect the public water supplies in the future.

Tables 2-2 through 2-7 provide an analysis for Outpost Monitoring Well Clusters 1 through 6), including the TVOC results and the Mann-Kendall analysis results. More in-depth results and trend analysis for the individual MK analysis for each outpost well is provided in Appendix A. The data used to conduct the trend analysis are provided in Appendix B.

2.2.1 BPOW Cluster 1 - BPOW 1-1 to BPOW 1-6 (Table 2-2)

History

BPOW 1-1, BPOW 1-2, and BPOW 1-3 were initially installed in 2004 within the western capture zone of the South Farmingdale Water District (SFWD) Plant 1 and public supply wells SFWD 1-2 (N4043) and SFWD 1-3 (N5148). At that time, no impact was projected for SFWD 1-4 (N7377). In 2011, three additional outpost wells were installed (BPOW 1-4, BPOW 1-5, and BPOW 1-6) north to SFWD Plant 1 to evaluate the quality of groundwater flowing into the central portion of the public supply well SFWD 1-4 (N7377) capture zone. Additionally, these outpost wells would provide advanced warning of higher concentrations of contamination flowing toward public supply wells SFWD 1-2 (N4043) and 1-3 (N5148).

Comparison of Outpost Wells to Trigger Values and Upgradient Monitoring Wells

The results show that there were exceedances of trigger values in outpost wells BPOW 1-1, BPOW 1-2, and BPOW 1-3 during the monitoring period; whereas COCs were not detected in BPOW 1-4, BPOW 1-5, or BPOW 1-6. Wellhead treatment is already in place at public water supply wells SFWD 1-2 and 1-3 that are associated with outpost wells BPOW 1-1, BPOW 1-2, and BPOW 1-3, therefore, no action is needed to address the exceedances of the trigger values.

At BPOW 1-1, the TVOC concentrations exceeded the trigger value (0.6 µg/L) during each year of sampling with a range of 0.8 µg/L to 18.3 µg/L and a most recent concentration of 1.0 µg/L. There are no monitoring wells directly upgradient of this outpost well. At the nearest potential upgradient monitoring well, GM-37D located 7,200 feet northwest of this outpost well, the TVOC concentration was 11 µg/L in 2019, indicating a moderate potential for COCs to continue to migrate into this area.

At BPOW 1-2, the TVOC concentrations exceeded the trigger value (0.6 µg/L) during most of the sampling events from 2011 to 2018 with a range of 0.38 µg/L to 1.65 µg/L. The most recent concentration was 0.38 µg/Lin 2019. There are no monitoring wells directly upgradient of this outpost well. At the nearest potential upgradient monitoring well, GM-38D located 5,400 feet northwest of this outpost well, the TVOC concentration was 110 µg/L in 2019, indicating a moderate potential for VOCs to continue to migrate into this area.

At BPOW 1-3, the TVOC concentrations exceeded the trigger value (0.6 µg/L) during most of the sampling events from 2004 to 2010 with a range of 2.93 µg/L to 16 µg/L. In 2009, a crack in the well casing was discovered. The crack was suspected of allowing shallow groundwater contamination to flow into its screen interval. Repairs occurred in 2010 and the results showed that, with the exception of one positive result of TCE at 0.25 µg/L in 2012, COCs were not detected in BPOW 1-3 during subsequent sampling events. There are no monitoring wells directly upgradient of this outpost well. At the nearest upgradient monitoring well, RW1-MW1 located 5,000 feet northwest of this outpost well, the TVOC concentration was 132 µg/L in 2018, indicating a moderate potential for COCs to migrate into this area.

There were no COC detections and no exceedances of the trigger values in outpost wells BPOW 1-4, BPOW 1-5, and BPOW 1-6. There are no monitoring wells directly upgradient of these outpost wells. However, potential associated upgradient monitoring wells showed measurable TVOC in 2019. Upgradient monitoring wells RE104D1 (located 5,800 feet northwest of outpost well BPOW 1-4), RW2-MW1 (located 4,300 feet northwest of outpost well BPOW 1-5), and RE104D2 (located 5,800 feet northwest of outpost well BPOW 1-6) showed TVOC concentrations at 49 µg/L, 7.25 µg/L, and 109 µg/L respectively. These results indicate a moderate potential for COCs to migrate into this area.

Statistical Analysis for COCs

For BPOW 1-1, there is a decreasing trend for each of the COCs, including TVOCs. For BPOW 1-2, starting in 2011, there is an increasing trend for TCE and TVOCs. For

BPOW 1-3, the analysis indicates a decreasing trend for each of the COCs, including TVOCs, but this decrease results from the well casing repair in 2010. For BPOW 1-4 to 1-6, because COCs were not detected in any of the samples, there is no trend.

Summary of 1,4-Dioxane Results and Statistical Analysis

The results of the 1,4-dioxane analysis show that it was measured periodically in each of the outpost wells, with a maximum concentration of 1.19 µg/L. The statistical analysis for 1,4-dioxane indicated that there were no trends at these outpost wells.

2.2.2 BPOW Cluster 2 - BPOW 2-1 to BPOW 2-3 (Table 2-3)

History

Outpost wells BPOW 2-1 and BPOW 2-2 were initially installed (2003) to provide a 4-year time period between COCs being measured in the outpost wells and a potential impact at South Farmingdale Water District Plant 3 SFWD Well 3-1 (N6150). Due to the measured concentration of benzene in the BPOW 2-1, a chemical that is present in the shallower groundwater and not part of the OU2 plumes, this well was refurbished in 2009. A deeper interval well (BPOW 2-3) was installed in 2011 with the same purpose as BPOW 2-1 and BPOW 2-2.

Comparison of Outpost Wells to Trigger Values and Upgradient Monitoring Wells

Historically, COCs have been measured in outpost wells BPOW 2-1 and BPOW 2-2, however, COCs have not been detected in these wells since 2007 and 2011, respectively. Between 2004 and 2007, COCs and benzene (2007) were measured in BPOW 2-1. As a result, an investigation took place that revealed a cracked casing, causing groundwater inflow contamination of the screened interval. COCs were also measured in BPOW 2-2 between 2004 and 2011. Following investigation, this outpost well was redeveloped, and a new decontaminated submersible pump was deployed.

No trigger values have been established for outpost wells BPOW 2-1 and BPOW 2-2 due to the short distance between SFWD Well 3-1 and Cluster 2 outpost wells and wellhead treatment that has already been installed at SFWD Well 3-1 which is associated with these outpost wells. Upgradient monitoring well RE132D2, located 3,700 feet northwest of outpost well BPOW 2-1, and upgradient monitoring well RE131D1, located 6,300 feet northwest of outpost well BPOW 2-2, reported TVOC concentrations of 21.87 µg/L and 213.9 µg/L, respectively in the most recent available data, indicating a high potential for COCs to migrate into this area.

For BPOW 2-3, the outpost monitoring wells results show that there was a single exceedance (0.56 µg/L in 2011) of the TVOC trigger value (0.54 µg/L) in outpost well BPOW 2-3 during the period of monitoring. However, COCs have not been detected in BPOW 2-3 since 2013. Upgradient monitoring well RE121D1, located 3,400 feet north of outpost well BPOW 2-3, reported a TVOC concentration of 47.9 µg/L for the most recent available data, indicating a high potential for COCs to migrate into this area.

Statistical Analysis for COCs

At BPOW 2-1, a decreasing trend in TVOCs and related COCs (TCA, 1,1-DCA, and TCE) was observed following repairs to the cracked casing. No trend for 1,1-DCE was observed for BPOW 2-1 over the sampling period. A similar decreasing trend for TVOCs (1,1-DCA and TCE) was observed in BPOW 2-2, following rehabilitation of the well, and no trends were observed for TCA and 1,1-DCE. Outpost well BPOW 2-3 shows a decreasing trend for TVOCs and TCE over the sampling period of the cluster and no trends were observed for TCA, 1,1-DCA, and 1,1-DCE.

Summary of 1,4-Dioxane Results and Statistical Analysis

The results of the 1,4-dioxane analysis show that this compound was measured at all of the outpost wells for this cluster with a range of not detected to 4.88 µg/L. 1,4-Dioxane concentrations at BPOW 2-1 and BPOW 2-2 showed no trends over the sampling period. An increasing trend was observed at BPOW 2-3 for 1,4-dioxane.

2.2.3 BPOW Cluster 3 - BPOW 3-1 to BPOW 3-4 (Table 2-4)

History

Outpost wells BPOW 3-1 and 3-2 were originally installed in 2004 as a part of the initial outpost monitoring well program to monitor groundwater plume movement through the New York American Water Seamans Neck Road Plant and wells NYAW 3S (N8480) and NYAW 4S (N9338). Outpost wells BPOW 3-3 and 3-4 were installed in 2011 as a part of that ongoing investigation. Due to the position of outpost wells BPOW 3-3 and 3-4 upgradient of supply wells SFWD 3-1 (N6150) and NYAW3S (N8480) and NYAW 4S (N9338), these outpost wells provide monitoring for both sets of supply wells. Because of the varying distances from these outpost wells to the supply wells, two trigger values were developed for each outpost well. A trigger value of 1.14 µg/L was established to provide early warning for SFWD 3-1 (N6150) and a trigger value of 1.13 µg/L was established for provide early warning for NYAW 3S (N8480) and NYAW 4S (N9338). Flow of groundwater from the BPOW 3-4 and 3-4 locations is dependent on the relative pumping rates of NYAW and SFWD wells.

Comparison of Outpost Wells to Trigger Values and Upgradient Monitoring Wells

The monitoring results show that exceedances of the trigger values were observed in outpost well BPOW 3-4 during the period of monitoring. TVOC concentrations at BPOW 3-4 exceeded the lowest of the trigger values (1.13 µg/L) from 2011 to 2019 with a range of 49 to 210 µg/L and a most recent concentration of 170 µg/L. Wellhead treatment is already in place at public water supply wells NYAW 3S and 4S and SFWD 3-1 that are associated with outpost well BPOW 3-4, therefore, no action is needed to address the exceedances of the trigger values. Upgradient monitoring well RE115D1, located 1,500 feet northeast of outpost well BPOW 3-4, had a concentration of 169.8 µg/L in the most recent TVOC data, indicating a high potential for COCs to continue to migrate into this area.

There were no exceedances of the trigger values in outpost wells BPOW 3-1, BPOW 3-2, and BPOW 3-3. However, the associated upgradient monitoring wells showed TVOC concentrations with measurable concentrations in the most recent sampling event. Upgradient monitoring wells RE131D1 (5,900 feet northwest of outpost well BPOW 3-1), and RE114D2 (3,100 feet north of outpost well BPOW 3-2) showed TVOC concentrations at 213.9 µg/L and 103.7 µg/L, respectively, indicating a high potential for COCs to migrate into this area.

Upgradient monitoring well RE114D2, located 2,400 feet northwest of outpost well BPOW 3-3, had a concentration of 103.7 µg/L in the most recent TVOC data, indicating a moderate potential for COCs to migrate into this area.

Statistical Analysis for COCs

For BPOW 3-4, with the exception of TCA at the 90 percent confidence interval, each of the COCs evaluated showed increasing trends between 2011 and 2018. TVOCs have increased from 49 µg/L (2011) to 210 µg/L (2018). This increase in the TVOC concentration is mainly attributed to increasing TCE concentrations. No trends were identified for the COC concentrations at BPOW 3-1, BPOW 3-2, and BPOW 3-3.

Summary of 1,4-Dioxane Results and Statistical Analysis

The results of the 1,4-dioxane analysis show that this compound was measured at all of the outpost wells for this cluster with a range of not detected to 7.1 µg/L. 1,4-Dioxane showed an increasing trend at BPOW 3-3 and BPOW 3-4. BPOW 3-1 and BPOW 3-2 showed no trend with a stable data set.

2.2.4 BPOW Cluster 4 – BPOW 4-1(R) and BPOW 4-2(R) (Table 2-5)

History

Outpost wells BPOW 4-1 and BPOW 4-2 were originally installed in 2004 for the purpose of providing an early warning of potential impacts to LWD Well 13 (N5303) in the unexpected event that they would migrate westward. In 2012, due to failed integrity testing, it was determined that these wells were compromised. In 2013, both outpost wells were replaced with new outpost wells BPOW 4-1R and BPOW 4-2R. New trigger values were established for the new outpost wells.

Comparison of Outpost Wells to Trigger Values and Upgradient Monitoring Wells

The monitoring results show that exceedances of the trigger value were observed in outpost wells BPOW 4-1(R) and BPOW 4-2(R) during the period of monitoring. The TVOC concentrations at well BPOW 4-1(R) exceeded the trigger value (1.5 µg/L prior to 2016 and 0.54 µg/L from 2016 to 2019) from 2012 to 2019 with a range of concentrations from 6.2 to 33 µg/L, with the most recent concentration of 33 µg/L.[4] Upgradient monitoring well RE124D1, located 2,400 feet north of outpost well BPOW 4-1(R), reported a TVOC concentration of 93.37 µg/L for the most recent available data, which is also primarily Freon 113 and not associated with the OU2 plumes.[4]

TVOC concentrations at BPOW 4-2(R) exceeded the trigger value (1.5 µg/L prior to 2016 and 0.57 µg/L from 2016 to 2019) from 2012 to 2019 with a range of 1.75 to 22 µg/L, with the most recent concentration of 22 µg/L, again primarily Freon 113. Upgradient monitoring well RE124D2, located 2,000 feet north of outpost well BPOW 4-2(R), did not have measurable concentrations of the COCs for the most recent available data, indicating a low potential for additional COCs to continue to migrate into this area in the foreseeable future. Between 2004 and 2008, TVOCs, TCA, 1,1-DCA, 1,1-DCE, and TCE were not detected in these outpost wells.

[4] These COC concentrations result primarily from Freon 113. There is strong evidence of a relatively pure Freon-113 plume along and under the western edge of the Deep Western Plume that does not appear to be associated with the former NWIRP Bethpage or NG properties. This other plume is evidenced by Freon-113 found in groundwater samples including samples from wells BPOW 4-1R and BPOW 4-2R.

Wellhead treatment is already in place at public water supply well LWD Well 13 that is associated with outpost wells BPOW 4-1(R) and BPOW 4-2(R), therefore, no action is needed to address the exceedances of the trigger values.

Statistical Analysis for COCs

The statistical analysis showed increasing trends for 1,1-DCE, TCE, and TVOCs in both wells. BPOW 4-2(R) had no historical positive results of TCA or 1,1-DCA. TCA and 1,1-DCA were measured at BPOW 4-1(R), however, there was no trend identified in the data.

Summary of 1,4-Dioxane Results and Statistical Analysis

The results of the 1,4-dioxane analysis show that this compound was measured in both of the outpost wells for this cluster with a range of not detected to 4.05 µg/L. The statistical analysis for 1,4-dioxane indicated that BPOW 4-1(R) showed an increasing trend. The 1,4-Dioxane concentrations in BPOW 4-2(R) showed no trend.

2.2.5 BPOW Cluster 5 – BPOW 5-1 to BPOW 5-7 (Table 2-6)

History

Outpost wells BPOW 5-1, BPOW 5-2, BPOW 5-3 were installed in 2012 to provide early warning of potential contaminant plume migration into SFWD Wells 6-1 (N8664) and 6-2 (N8665). In 2015, outpost wells BPOW 5-4, BPOW 5-5, BPOW 5-6, and BPOW 5-7 were installed to provide additional coverage for these supply wells.

Comparison of Outpost Wells to Trigger Values and Upgradient Monitoring Wells

The monitoring results show that there were no exceedances of the trigger values in these outpost wells during the period of monitoring. The location of outpost wells BPOW 5-1, 5-2, 5-3, 5-4, 5-5, and 5-6, indicates that the closest monitoring wells upgradient of these outpost wells are impacted by pumping from public water supply wells NYAW-4S, NYAW-3A, and SFWD-3-1. Due to the potential impact on migration of the plume by the public water supply wells, no upgradient wells were identified for comparison to these outpost wells.

However, outpost well BPOW 5-7 can be compared to upgradient well BPOW 5-2. As shown in Table 2-1, the upgradient monitoring well identified for BPOW 5-7 did not have measurable concentrations of the COCs in the most recent monitoring data, indicating a low potential for COCs to continue to migrate into this area from those directions and depth.

Statistical Analysis for COCs

TCA, 1,1-DCA, 1,1-DCE, and TCE were not detected these outpost wells during the sampling period. As such, TVOCs were reported as 0 µg/L for BPOW 5-1, BPOW 5-2, BPOW 5-3, BPOW 5-4, and BPOW 5-5 with no trends identified. The results from BPOW 5-6 showed no trend and an unstable data set for TVOCs, which is likely an artifact of the single TVOC result from 2015 attributed to a measured concentration of carbon tetrachloride (0.15 µg/L). The results from BPOW 5-7 showed a decreasing trend of TVOCs (as a result of a carbon tetrachloride concentrations) across the sampling period.

Summary of 1,4-Dioxane Results and Statistical Analysis

The results of the 1,4-dioxane analysis show that this compound was measured in each of the outpost wells for this cluster with a range of not detected to 2.69 µg/L. The statistical analysis for 1,4-dioxane indicated that there were no trends at outpost wells BPOW 5-2 and BPOW 5-7. Increasing trends for 1,4-dioxane were observed in outpost wells BPOW 5-1, BPOW 5-3, BPOW 5-5, and BPOW 5-6. A decreasing trend was observed for 1,4-dioxane concentrations at BPOW 5-4.

2.2.6 BPOW Cluster 6 – BPOW 6-1 to 6-6 (Table 2-7)

History

Outpost wells BPOW 6-1, BPOW 6-2, BPOW 6-3, BPOW 6-4, BPOW 6-5, and BPOW 6-6 were installed in 2015 with the purpose of ascertaining subsurface conditions and contaminant levels upgradient of the Massapequa Water District (MWD) wells MWD-4 (N6442) and MWD-5 (N6443).

Comparison of Outpost Wells to Trigger Values and Upgradient Monitoring Wells

The monitoring results show there were no exceedances of the trigger values in these outpost wells during the period of monitoring. As shown in Table 2-1, COCs were not detected in the upgradient wells identified for these outpost wells, indicating a low potential for COCs to migrate into this area.

Statistical Analysis for COCs

The statistical analysis shows that there were no trends observed in TVOC concentrations at outpost wells BPOW 6-1, BPOW 6-3, and BPOW 6-4. Outpost well BPOW 6-2 indicated a nonstable data set for TVOC concentrations as a result of a single result (0.11 µg/L) of cis-1,2-DCE in 2016. At outpost wells BPOW 6-5 and BPOW 6-6, decreasing trends were observed for the TVOC values due to measurable

concentrations of carbon tetrachloride in 2015 and 2016 followed by no measurable concentrations in subsequent sampling events.

Summary of 1,4-Dioxane Results and Statistical Analysis

The results of the 1,4-dioxane analysis show that this compound was measured in BPOW 6-1, BPOW 6-3, BPOW 6-4, BPOW 6-5, and BPOW 6-6 with a range of not detected to 0.323 µg/L. 1,4-Dioxane was not detected at outpost well BPOW 6-2. Increasing trends for 1,4-dioxane were observed at BPOW 6-1 and BPOW6-4. No trends were observed for 1,4-dioxane in outpost wells BPOW 6-2, BPOW 6-3, BPOW 6-5, and BPOW 6-6.

3.0 Summary

A summary of the outpost wells is provided in Table 2-1. There are current or historical exceedances of the trigger values for TVOCs at outpost wells BPOW 1-1, 1-2, 1-3, 2-3, 3-4, 4-1(R), and 4-2(R). TVOCs were also measured in BPOW 2-1 and 2-2, although trigger values have not been established for these outpost wells. The public supply wells associated with all of these outpost wells have wellhead treatment in place. The statistical analysis also identified increasing trends for TVOCs at outpost wells BPOW 1-2, 3-4, 4-1(R), and 4-2(R). The existing trigger values have been exceeded and wellhead treatment has been installed, therefore, new trigger values will be developed for all of these outpost wells. The new trigger values will consist of an action level when concentrations of the COCs in the outpost wells indicate that groundwater concentrations may exceed the existing wellhead treatment capacity. These trigger values will be developed based on the fate and transport modeling and presented in the Strategic Plan and Remediation Performance Assessment Report.

There were no exceedances of the trigger values at outpost wells BPOW 1-4, 1-5, 1-6, 3-1, 3-2, 3-3, 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, 6-1, 6-2, 6-3, 6-4, 6-5, and 6-6. In addition, increasing trends for TVOC concentrations were not identified at these outpost wells from the statistical analysis.

1,4-Dioxane has been measured downgradient of the installation and is currently being investigated in a PA/SI to evaluate if this compound is attributed to operations at the NWIRP. Therefore, a review of the data and trend analysis was also conducted on this emerging contaminant. Although New York State Department of Health recently promulgated an MCL of 1 µg/L, no trigger values have yet been established for 1,4-dioxane. The results of the 1,4-dioxane data review show that this compound was measured in all of the outpost wells during the period of monitoring, with the exception of BPOW 6-2. The trend analysis shows that increasing trends for 1,4-dioxane were observed at BPOW 2-2, 3-3, 3-4, 4-1(R), 5-1, 5-3, 5-5, 5-6, 6-1, and 6-4.

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TABLES

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Table 1-1
Outpost Monitoring Well Summary
NWIRP Bethpage, New York

Outpost Well	Outpost Well Screen Interval (feet below ground surface)	Public Water Supply	Treatment Installed	Current Sampling Frequency	Current Well Purpose	Initial Trigger Value (µg/L)
BPOW1-1	196 - 241	SFWD Wells 1-2 and 1-3	Yes	Biannual	Monitoring	0.6
BPOW1-2	310 - 335	SFWD Wells 1-2 and 1-3	Yes	Biannual	Monitoring	0.6
BPOW1-3	374 - 419	SFWD Wells 1-2 and 1-3	Yes	Biannual	Monitoring	0.6
BPOW1-4	340 - 400	SFWD Wells 1-2 and 1-3	Yes	Biannual	Monitoring	0.67
BPOW1-5	600 - 650	SFWD Well 1-4	No	Biannual	Outpost	0.67
BPOW1-6	700 - 750	SFWD Well 1-4	No	Biannual	Outpost	0.67
BPOW2-1	356 - 396	SFWD Well 3-1	Yes	Quarterly	Monitoring	NE
BPOW2-2	455 - 495	SFWD Well 3-1	Yes	Quarterly	Monitoring	NE
BPOW2-3	564 - 594	SFWD Well 3-1	Yes	Quarterly	Monitoring	0.54
BPOW3-1	426 - 516	NYAW 3S (3A) and 4S	Yes	Biannual	Monitoring	1.5
BPOW3-2	612 - 647	NYAW 3S (3A) and 4S	Yes	Biannual	Monitoring	1.5
BPOW3-3	580 - 620	NYAW 3S (3A) and 4S and SFWD 3-1	Yes	Biannual	Monitoring	1.13/1.14
BPOW3-4	640 - 690	NYAW 3S (3A) and 4S and SFWD 3-1	Yes	Biannual	Monitoring	1.13/1.14
BPOW4-1	652 - 692	LWD Well 13	Yes	Biannual	Monitoring	0.54[(a)]
BPOW4-2	725 - 765	LWD Well 13	Yes	Biannual	Monitoring	0.57[(a)]
BPOW5-1	480 - 510	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	1.2
BPOW5-2	540 - 580	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	1.2
BPOW5-3	620 - 660	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	1.2
BPOW5-4	545 - 570	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	1.4
BPOW5-5	515 - 540	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	0.7
BPOW5-6	585 - 610	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	0.7
BPOW5-7	525 - 550	SFWD Wells 6-1 and 6-2	No	Quarterly	Outpost	0.8
BPOW6-1	550 - 575	MWD Wells 4 and 5	No	Quarterly	Outpost	1.8
BPOW6-2	755 - 780	MWD Wells 4 and 5	No	Quarterly	Outpost	1.8
BPOW6-3	750 - 775	MWD Wells 4 and 5	No	Quarterly	Outpost	2.8

Table 1-1
Outpost Monitoring Well Summary
NWIRP Bethpage, New York

Outpost Well	Outpost Well Screen Interval (feet below ground surface)	Public Water Supply	Treatment Installed	Current Sampling Frequency	Current Well Purpose	Initial Trigger Value (µg/L)
BPOW6-4	545 - 570	MWD Wells 4 and 5	No	Quarterly	Outpost	2.8
BPOW6-5	525 - 550	MWD Wells 4 and 5	No	Quarterly	Outpost	1.6
BPOW6-6	770 - 795	MWD Wells 4 and 5	No	Quarterly	Outpost	1.6

(a) Altough no impact to LWD Well 13 was projected from the OU2 plumes, the PWSCP assigned a trigger value of 1.5 µg/L. The trigger value for this well was recalculated in 2016, when BPOW 4-1 and 4-2 were redrilled.

PWSCP Chemicals of Concern
1,1,1-Trichlorethane (TCA)
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,-Dichloroethane (1,1-DCA)
1,1-Dichloroethene (1,1-DCE)
1,2-Dichloroethane
1,2-Dichloroethene
Carbon Tetrachloride
Carbon Disulfide
Chlorobenzene
Chloroform
cis-1,2-Dichlorethene
Tetrachloroethene
Trichlorethene (TCE),
Trichlorotrifluoroethane (Freon 113)
trans-1,2-Dichloroethene

BPOW: Bethpage Outpost Monitoring Well.
SFWD: South Farmingdale Water District.
NYAW: New York American Water.
MWD: Massapequa Water District.
ND: Not Detected.
µg/L: Micrograms per liter.

Table 2-1
Outpost Monitoring Well Analytical Data
NWIRP Bethpage, New York

Outpost Monitoring Well Information					Upgradient Monitoring Well Information				
Outpost Well	**Purpose**	**Most Recent BPOW TVOC Concentration (µg/L)**	**Most Recent BPOW Sample Date**	**Outpost Well Screen Interval (feet bgs)**	**Upgradient Monitoring Well ID**	**Upgradient Monitoring Well Screen Interval (feet bgs)**	**Approximate Location of Upgradient Monitoring Well**	**Upgradient Monitoring Well Most Recent TVOC Concentration (µg/L)**	**Most Recent Sample Date**
BPOW1-1	Western capture zone of SFWD Plant 1	1	Q4 2019	196-241	GM-37D	242-262	7,200 feet Northwest of Outpost Well BPOW1-1	11	Q2 2019
BPOW1-2	Western capture zone of SFWD Plant 1	0.38	Q4 2019	310-335	GM-38D	320-340	5,400 feet Northwest of Outpost Well BPOW 1-2	110	Q4 2019
BPOW1-3	Western capture zone of SFWD Plant 1	ND	Q4 2019	374-419	RW1-MW1	395-435	5,000 feet Northwest of Outpost Well BPOW 1-3	132.3	Q3 2018
BPOW1-4	Central portion of the SFWD N7377 capture zone. Upgradient of SFWD Plant 1	ND	Q4 2019	340-400	RE104D1	350-370	5,800 feet Northwest of Outpost Well BPOW 1-4	48.82	Q4 2019
BPOW1-5	Central portion of the SFWD N7377 capture zone. Upgradient of SFWD Plant 1	ND	Q4 2019	600-650	RW2-MW1	470-510	4,300 feet Northwest of Outpost Well BPOW 1-5	7.25	Q3 2018
BPOW1-6	Central portion of the SFWD N7377 capture zone. Upgradient of SFWD Plant 1	ND	Q4 2019	700-750	RE104D2	710-730	5,800 feet Northwest of Outpost Well BPOW 1-6	108.7	Q4 2019
BPOW2-1	SFWD Plant 3	ND	Q4 2019	356-396	RE132D2	330-350	3,700 feet Northwest of Outpost Well BPOW 2-1	21.87	Q4 2019
BPOW2-2	SFWD Plant 3	ND	Q4 2019	455-495	RE131D1	430-450	6,300 feet Northwest of Outpost Well BPOW 2-2	213.9	Q4 2019
BPOW2-3	SFWD Plant 3	ND	Q4 2019	564-594	RE121D1	550-570	3,400 feet North of Outpost Well BPOW 2-3	47.9	Q4 2019
BPOW3-1	Monitor New York American Water Seamans Neck Road Plant	ND	Q4 2019	426-516	RE131D1	430-450	5,900 feet Northwest of Outpost Well BPOW 3-1	213.9	Q4 2019
BPOW3-2	Monitor New York American Water Seamans Neck Road Plant	ND	Q4 2019	612-647	RE114D2	610-630	3,100 feet North of Outpost Well BPOW 3-2	103.7	Q4 2019
BPOW3-3	Monitor New York American Water Seamans Neck Road Plant	ND	Q4 2019	580-620	RE114D2	610-630	2,400 feet Northwest of Outpost Well BPOW 3-3	103.7	Q4 2019
BPOW3-4	Monitor New York American Water Seamans Neck Road Plant	170	Q4 2019	640-690	RE115D1	640-655	1,500 feet Northeast of Outpost Well BPOW 3-4	169.8	Q4 2019
BPOW4-1	Levittown PWS (5303)	33	Q4 2019	652-692	RE124D1	660-680	2,400 feet North of Outpost Well BPOW 4-1	93.37	Q4 2019
BPOW4-2	Levittown PWS (5303)	22	Q4 2019	725-765	RE124D2	635-655	2,000 feet North of Outpost Well BPOW 4-2	ND	Q4 2019
BPOW5-1	SFWD Wells N-8664 and N-8665	ND	Q1 2020	480-510	NA	NA	NA	ND	Q4 2019
BPOW5-2	SFWD Wells N-8664 and N-8665	ND	Q1 2020	540-580	NA	NA	NA	ND	Q4 2019
BPOW5-3	SFWD Wells N-8664 and N-8665	ND	Q1 2020	620-660	NA	NA	NA	169.8	Q4 2019
BPOW5-4	SFWD Wells N-8664 and N-8665	ND	Q1 2020	545-570	NA	NA	NA	404.3	Q4 2019
BPOW5-5	SFWD Wells N-8664 and N-8665	ND	Q1 2020	515-540	NA	NA	NA	404.3	Q4 2019
BPOW5-6	SFWD Wells N-8664 and N-8665	ND	Q1 2020	585-610	NA	NA	NA	ND	Q4 2019
BPOW5-7	SFWD Wells N-8664 and N-8665	ND	Q1 2020	525-550	BPOW 5-2	540-580	1,800 feet Northwest of Outpost Well BPOW 5-7	ND	Q2 2020

Table 2-1
Outpost Monitoring Well Analytical Data
NWIRP Bethpage, New York

Outpost Monitoring Well Information					Upgradient Monitoring Well Information				
Outpost Well	**Purpose**	**Most Recent BPOW TVOC Concentration (µg/L)**	**Most Recent BPOW Sample Date**	**Outpost Well Screen Interval (feet bgs)**	**Upgradient Monitoring Well ID**	**Upgradient Monitoring Well Screen Interval (feet bgs)**	**Approximate Location of Upgradient Monitoring Well**	**Upgradient Monitoring Well Most Recent TVOC Concentration (µg/L)**	**Most Recent Sample Date**
BPOW6-1	Upgradient of the MWD Wells 4 and 5	ND	Q1 2020	550-575	RE133D1	560-580	950 feet Northwest of Outpost Well BPOW 6-1	ND	Q4 2019
BPOW6-2	Upgradient of the MWD Wells 4 and 5	ND	Q1 2020	755-780	RE133D2	780-800	900 feet Northwest of Outpost Well BPOW 6-2	ND	Q4 2019
BPOW6-3	Upgradient of the MWD Wells 4 and 5	ND	Q1 2020	750-775	TT-102D2	740-770	1,300 feet North of Outpost Well BPOW 6-3	ND	Q2 2020
BPOW6-4	Upgradient of the MWD Wells 4 and 5	ND	Q1 2020	545-570	TT-102D1	560-600	1,300 feet North of Outpost Well BPOW 6-4	ND	Q2 2020
BPOW6-5	Upgradient of the MWD Wells 4 and 5	ND	Q1 2020	525-550	TT-102D1	560-600	1,600 feet North of Outpost Well BPOW 6-5	ND	Q2 2020
BPOW6-6	Upgradient of the MWD Wells 4 and 5	ND	Q1 2020	770-795	TT-102D2	740-770	1,600 feet North of Outpost Well BPOW 6-6	ND	Q2 2020

BPOW - Outpost Monitoring Well.
ND - Non detect.
NE - Not estimated.
SFWD - South Farmingdale Water District.
BWD - Bethpage Water District.
MWD - Massapequa Water District.
ug/L - Micrograms per liter.
bgs - Below ground surface.
NE: Not estimated

Table 2-2
Outpost Monitoring Well Cluster 1, South Farmingdale Water District Plant 1
Mann-Kendall Groundwater Analysis and Summary

Cluster 1 **Purpose:** Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1. **Municipal Well Field Monitored:** South Farmingdale Water District Plant 1.	**Total VOCS (Max per year, ug/L)**							**Mann-Kendall Standards**	**Analysis**					
									TCA	**1,1-DCA**	**1,1-DCE**	**TCE**	**TVOCs**	**1,4-Dioxane**
Well Name: BPOW 1-1 **Date Install:** 2004, last updated 10/16/2019 **Screened Interval:** 196-241 ft bgs **Total Well Depth:** 241 ft bgs **TVOC Trigger Value:** 0.6 µg/L **Sample Interval:** Quarterly - Semi Annually	**2018**	2019	2020	2021	2021	2022	2023	At 80% Interval	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	No Trend
	1.6	1	-	-	-	-	-	At 90% Interval	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	No Trend
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**							
	2.33	1.83	0.9	1.72	2.73	2.4	2.2	Stability Test						CV > 1
	2004	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**		NA	NA	NA	NA	NA	NON-STABLE
	18.3	17.4	10.4	6.1	6.1	5.04	3.19	Max Concentration*	8.2	2.3	5.2	3.2	18.3	1.193
Well Name: BPOW 1-2 **Date Install:** 2004, last sampled 10/16/2019 **Screened Interval:** 310-335 ft bgs **Total Well Depth:** 335 ft bgs **TVOC Trigger Value:** 0.6 µg/L **Sample Interval:** Quarterly - Semi Annually	**2018**	2019	2020	2021	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	INCREASING	INCREASING	No Trend
	1.6	0.38	-	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	INCREASING	INCREASING	No Trend
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**							
	1.34	1.04	1.55	0.74	1.13	1.646	1.1	Stability Test	CV <= 1	CV <= 1	CV <= 1			CV <= 1
	2004	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**		STABLE	STABLE	STABLE	NA	NA	STABLE
	0	0	0	0	0	0	0	Max Concentration*	0.46	ND	0.46	1.1	1.646	0.431
Well Name: BPOW 1-3 **Date Install:** 2004, last sampled 10/16/2019 **Screened Interval:** 374-419 ft bgs **Total Well Depth:** 419 ft bgs **TVOC Trigger Value:** 0.6 µg/L **Sample Interval:** Quarterly - Semi Annually	**2018**	2019	2020	2021	2021	2022	2023	At 80% Interval	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	No Trend
	0	0	-	-	-	-	-	At 90% Interval	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	No Trend
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**							
	0	0.25	0	0	0	0	0	Stability Test						CV <= 1
	2004	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**		NA	NA	NA	NA	NA	STABLE
	11	15.2	11.8	16	10	9.82	7.56	Max Concentration*	7.8	2.4	5.3	1.4	16	0.516
Well Name: BPOW 1-4 **Date Install:** 2011, last sampled 10/18/2019 **Screened Interval:** 340-400 ft bgs **Total Well Depth:** 410 ft bgs **TVOC Trigger Value:** 0.67 µg/L **Sample Interval:** Quarterly - Semi Annually	**2018**	2019	2020	2021	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	0	0	-	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**							
	0	0	0	0	0	0	0	Stability Test	CV <= 1	CV <= 1	CV <= 1	CV <= 1		CV <= 1
	2004	2005	2006	2007	2008	2009	2010		STABLE	STABLE	STABLE	STABLE	NA	STABLE
	-	-	-	-	-	-	-	Max Concentration*	ND	ND	ND	ND	0	0.136
Well Name: BPOW 1-5 **Date Install:** 2011, last sampled on 10/18/2019 **Screened Interval:** 600-650 ft bgs **Total Well Depth:** 665 ft bgs **TVOC Trigger Value:** 0.67 µg/L **Sample Interval:** Quarterly - Semi Annually	**2018**	2019	2020	2021	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	0	0	-	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**							
	0	0	0	0	0	0	0	Stability Test	CV <= 1	CV <= 1	CV <= 1	CV <= 1		CV <= 1
	2004	2005	2006	2007	2008	2009	2010		STABLE	STABLE	STABLE	STABLE	NA	STABLE
	-	-	-	-	-	-	-	Max Concentration*	ND	ND	ND	ND	0	0.139
Well Name: BPOW 1-6 **Date Install:** 2011, last sampled on 10/21/2019 **Screened Interval:** 700-750 ft bgs **Total Well Depth:** 770 ft bgs **TVOC Trigger Value:** 0.67 µg/L **Sample Interval:** Quarterly - Semi Annually	**2018**	2019	2020	2021	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	0	0	-	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**							
	0	0	0	0	0	0	0	Stability Test	CV <= 1	CV <= 1	CV <= 1	CV <= 1		CV <= 1
	2004	2005	2006	2007	2008	2009	2010		STABLE	STABLE	STABLE	STABLE	NA	STABLE
	-	-	-	-	-	-	-	Max Concentration*	ND	ND	ND	ND	0	0.114

Abbreviations: 1,1,1-Trichloroethane (**TCA**), 1,1-Dichloroethane (**1,1-DCA**), 1,1-Dichloroethene (**1,1-DCE**), Trichloroethene (**TCE**), Total Volitile Organic Compounds (**TVOCs**)
Stability test is only run in the event that no trend is found at 80 or 90% confidence interval. A value of "NA" suggests a present trend or a lack of annual detections
*Max Concentration over the entire sampling period. A numeric value of "0" indicates that COCs were not detected.

Table 2-3
Outpost Monitoring Well Cluster 2, South Farmingdale Water District Plant 3
Mann-Kendall Groundwater Analysis and Summary

Cluster 2 **Purpose:** Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 3, well SFWD-6150 [545-607]. **Municipal Well Field Monitored:** South Farmingdale Water District Plant 3	**Total VOCS (Max per year, ug/L)**					**Mann-Kendall Standards**	**Analysis**					
							TCA	**1,1-DCA**	**1,1-DCE**	**TCE**	**TVOCs**	**1,4-Dioxane**
Well Name: BPOW 2-1 **Date Install:** 2003, last sampled 10/21/2019 **Screened Interval:** 356-396 ft bgs **Total Well Depth:** 400 ft bgs **TVOC Trigger Value:** Not Established **Sample Interval:** Quarterly	2019	2020	2021	2022	2023	At 80% Interval	**DECREASING**	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	No Trend
	0	-	-	-	-	At 90% Interval	**DECREASING**	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	No Trend
	2014	**2015**	**2016**	**2017**	**2018**							
	0	0	0	0	0							
	2009	**2010**	**2011**	**2012**	**2013**	Stability Test			**CV <= 1**			**CV <= 1**
	-	0	0	0	0		NA	NA	**STABLE**	NA	NA	**STABLE**
	2004	**2005**	**2006**	**2007**	2008							
	7	10.24	10.45	8.52	-	Max Concentration*	0.94	2	0.53	2.4	10.45	2.6
Well Name: BPOW 2-2 **Date Install:** 2003, last sampled on 10/21/2019 **Screened Interval:** 455-495ft bgs **Total Well Depth:** 510ft bgs **TVOC Trigger Value:** Not Established **Sample Interval:** Quarterly	2019	2020	2021	2022	2023	At 80% Interval	No Trend	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	**INCREASING**
	0	-	-	-	-	At 90% Interval	No Trend	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	**INCREASING**
	2014	**2015**	**2016**	**2017**	**2018**							
	0	0	0	0	0							
	2009	**2010**	**2011**	2012	**2013**	Stability Test	**CV <= 1**		**CV <= 1**			
	-	2.26	1.92	-	0		**STABLE**	NA	**STABLE**	NA	NA	NA
	2004	**2005**	**2006**	**2007**	2008							
	0.66	2.62	2.4	1.38	-	Max Concentration*	0.64	1	0.36	1.4	2.62	0.738
Well Name: BPOW 2-3 **Date Install:** 2011, last sampled on 10/21/2019 **Screened Interval:** 564-594ft bgs **Total Well Depth:** 610 ft bgs **TVOC Trigger Value:** 0.54 ug/L **Sample Interval:** Quarterly	2019	2020	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	**DECREASING**	**DECREASING**	No Trend
	0	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2014	**2015**	**2016**	**2017**	**2018**							
	0	0	0	0	0							
	2009	2010	**2011**	**2012**	**2013**	Stability Test	**CV <= 1**	**CV <= 1**	**CV <= 1**			**CV <= 1**
	-	-	0.56	0	0.48		**STABLE**	**STABLE**	**STABLE**	NA	NA	STABLE
	2004	2005	2006	2007	2008							
	-	-	-	-	-	Max Concentration*	ND	ND	ND	0.56	0.56	4.88

Abbreviations: 1,1,1-Trichloroethane (**TCA**), 1,1-Dichloroethane (**1,1-DCA**), 1,1-Dichloroethene (**1,1-DCE**), Trichloroethene (**TCE**), Total Volitile Organic Compounds (**TVOCs**)
Stability test is only run in the event that no trend is found at 80 or 90% confidence interval. A value of "NA" suggests a present trend or a lack of annual detections
*Max Concentration over the entire sampling period.
A numeric value of "0" indicates that COCs were not detected.

Table 2-4
Outpost Monitoring Well Cluster 3, New York American Water Seamans Neck Road Plant
Mann-Kendall Groundwater Analysis and Summary

Cluster 3 **Purpose:** Provide early warning of potential contaminant plume migration into New York American Water Seamans Neck Road Plant **Municipal Well Field Monitored:** New York American Water Seamans Neck Road Plant	**Total VOCS (Max per year, ug/L)**					**Mann-Kendall Standards**	**Analysis**					
							TCA	**1,1-DCA**	**1,1-DCE**	**TCE**	**TVOCs**	**1,4-Dioxane**
Well Name: BPOW 3-1 **Date Install:** 2004, last sampled 10/22/2019 **Screened Interval:** 426-516 ft bgs **Total Well Depth:** 516 ft bgs **TVOC Trigger Value:** 1.5 µg/L **Sample Interval:** Quarterly - Semi-Annual	2019	2020	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	0	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2014	**2015**	**2016**	**2017**	**2018**							
	0	0	0	0	0	Stability Test	**CV <= 1**	**CV <= 1**	**CV <= 1**	**CV <= 1**		**CV <= 1**
	2009	**2010**	**2011**	**2012**	**2013**		**STABLE**	**STABLE**	**STABLE**	**STABLE**	NA	**STABLE**
	0	0	0	0	0							
	2004	**2005**	**2006**	**2007**	**2008**							
	0	0	0	0	0	Max Concentration*	ND	ND	ND	ND	0	1.09
Well Name: BPOW 3-2 **Date Install:** 2004, last sampled on 10/22/2019 **Screened Interval:** 612-647 ft bgs **Total Well Depth:** 647 ft bgs **TVOC Trigger Value:** 1.5 µg/L **Sample Interval:** Quarterly - Semi-Annual	2019	2020	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	0	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2014	**2015**	**2016**	**2017**	**2018**							
	0	0	0	0	0	Stability Test	**CV <= 1**	**CV <= 1**	**CV <= 1**	**CV <= 1**		**CV <= 1**
	2009	**2010**	**2011**	**2012**	**2013**		**STABLE**	**STABLE**	**STABLE**	**STABLE**	NA	**STABLE**
	0	0	0	0	0							
	2004	**2005**	**2006**	**2007**	**2008**							
	0	0	0	0	0	Max Concentration*	ND	ND	ND	ND	0	4.66
Well Name: BPOW 3-3 **Date Install:** 2011, last sampled 10/22/2019 **Screened Interval:** 580-620 ft bgs **Total Well Depth:** 635 ft bgs **TVOC Trigger Value:** 1.14 µg/L (SFWD 3-1), 1.13 µg/L (NYAW3S and NYAW4S) **Sample Interval:** Quarterly - Semi-Annual	2019	2020	2021	2022	2023	At 80% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
	0	-	-	-	-	At 90% Interval	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
	2014	**2015**	**2016**	**2017**	**2018**							
	0	0	0	0	0	Stability Test	**CV <= 1**	**CV <= 1**	**CV <= 1**	**CV <= 1**		
	2009	**2010**	**2011**	**2012**	**2013**		**STABLE**	**STABLE**	**STABLE**	**STABLE**	NA	NA
	-	-	0	0	0							
	2004	**2005**	**2006**	**2007**	**2008**							
	-	-	-	-	-	Max Concentration*	ND	ND	ND	ND	2.3	7.1
Well Name: BPOW 3-4 **Date Install:** 2011, last updated 10/22/2019 **Screened Interval:** 640-690 ft bgs **Total Well Depth:** 840 ft bgs **TVOC Trigger Value: 1.14 µg/L (SFWD 3-1), 1.13 µg/L (NYAW3S and NYAW4S)** **Sample Interval:** Quarterly - Semi-Annual	2019	2020	2021	2022	2023	At 80% Interval	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**
	170	-	-	-	-	At 90% Interval	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**
	2014	**2015**	**2016**	**2017**	**2018**							
	79	84	84	120	210	Stability Test						
	2009	2010	**2011**	**2012**	**2013**		NA	NA	NA	NA	NA	NA
	-	-	49	63	67							
	2004	2005	2006	2007	2008							
	-	-	-	-	-	Max Concentration*	0.48	0.69	4.6	192	210	6.7

Abbreviations: 1,1,1-Trichloroethane (**TCA**), 1,1-Dichloroethane (**1,1-DCA**), 1,1-Dichloroethene (**1,1-DCE**), Trichloroethene (**TCE**), Total Volitile Organic Compounds (**TVOCs**)
Stability test is only run in the event that no trend is found at 80 or 90% confidence interval. A value of "NA" suggests a present trend or a lack of annual detections
*Max Concentrations over the entire sampling period.
A numeric value of "0" indicates that COCs were not detected.

Table 2-5
Outpost Monitoring Well Cluster 4, Levittown Water District Well 13
Mann-Kendall Groundwater Analysis and Summary

Cluster 4 **Purpose:** Provide early warning of potential contaminant plume migration into the Levittown Water District (LWD) well 13, N-05303 [620-736]. **Municipal Well Field Monitored:** Levittown Water District	**Total VOCS (Max per year, ug/L)**					**Mann-Kendall Standards**	**Analysis**					
							TCA	**1,1-DCA**	**1,1-DCE**	**TCE**	**TVOCs**	**1,4-Dioxane**
Well Name: BPOW 4-1R	**2015**	**2016**	**2017**	**2018**	2019	At 80% Interval	No Trend	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**
Date Install: 2004, last sampled 10/25/2019	16.5	18.45	29.7	30.3	33	At 90% Interval	No Trend	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	**INCREASING**
Screened Interval: 652-692 ft bgs	**2009**	**2010**	**2011**	**2012**	**2013**							
Total Well Depth: 697 ft bgs	0.56	0.87	1.1	6.21	7.6	Stability Test	**CV <= 1**	**CV <= 1**				
TVOC Trigger Value: 0.54 µg/L	**2004**	**2005**	**2006**	**2007**	**2008**		**STABLE**	**STABLE**	NA	NA	NA	NA
Sample Interval: Quarterly - Semi-Annual	0	0	0	0	0	Max Concentration*	1.4	0.26	1	1.1	33	4.05
Well Name: BPOW 4-2R	**2015**	**2016**	**2017**	**2018**	2019	At 80% Interval	No Trend	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	No Trend
Date Install: 2004, last sampled 10/24/2019	15.6	15	7	19	22	At 90% Interval	No Trend	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	No Trend
Screened Interval: 725-765 ft bgs	**2009**	**2010**	**2011**	**2012**	**2013**							
Total Well Depth: 770 ft bgs	0	0.45	0.67	1.75	2.4	Stability Test	**CV <= 1**	**CV <= 1**				**CV <= 1**
TVOC Trigger Value: 0.57 µg/L	**2004**	**2005**	**2006**	**2007**	**2008**		**STABLE**	**STABLE**	NA	NA	NA	**STABLE**
Sample Interval: Quarterly - Semi-Annual	0	0	0	0	0	Max Concentration*	ND	ND	0.52	2.2	22	2.14

Abbreviations: 1,1,1-Trichloroethane (**TCA**), 1,1-Dichloroethane (**1,1-DCA**), 1,1-Dichloroethene (**1,1-DCE**), Trichloroethene (**TCE**), Total Volitile Organic Compounds (**TVOCs**)
Stability test is only run in the event that no trend is found at 80 or 90% confidence interval. A value of "NA" suggests a present trend or a lack of annual detections
*Max Concentration over the entire sampling period.
A numeric value of "0" indicates that COCs were not detected.

Table 2-6
Outpost Monitoring Well Cluster 5, South Farmingdale Water District
Mann-Kendall Groundwater Analysis and Summary

Cluster 5 **Purpose:** Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD), wells N-8664 [506-576] and N-8665 [529-606]. **Municipal Well Field Monitored:** South Farmingdale Water District	**Total VOCS (Max per year, ug/L)**					**Mann-Kendall Standards**	**Analysis**					
							TCA	**1,1-DCA**	**1,1-DCE**	**TCE**	**TVOCs**	**1,4-Dioxane**
Well Name: BPOW 5-1 **Date Install:** 2015, Last sampled 3/9/2020 **Screened Interval:** 480-510 ft bgs **Total Well Depth:** 515 ft bgs **TVOC Trigger Value:** 1.2 µg/L **Sample Interval:** Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend NA	**INCREASING** **INCREASING** NA
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0	0.593
Well Name: BPOW 5-2 **Date Install:** 2015, Last sampled 3/9/2020 **Screened Interval:** 540-580 ft bgs **Total Well Depth:** 585 ft bgs **TVOC Trigger Value:** 1.2 µg/L **Sample Interval:** Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend NA	No Trend No Trend **CV <= 1** **STABLE**
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0	0.121
Well Name: BPOW 5-3 **Date Install:** 2015, last sampled 3/9/2020 **Screened Interval:** 620-660 ft bgs **Total Well Depth:** 665 ft bgs **TVOC Trigger Value:** 1.2 µg/L **Sample Interval:** Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend NA	**INCREASING** **INCREASING** NA
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0	2.69
Well Name: BPOW 5-4 **Date Install:** 2015, last sampled 3/11/2020 **Screened Interval:** 545-570 ft bgs **Total Well Depth:** 575 ft bgs **TVOC Trigger Value:** 1.4 µg/L **Sample Interval:** Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend NA	**DECREASING** No Trend **NA**
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0	1.32
Well Name: BPOW 5-5 **Date Install:** 2015, last sampled 3/10/2020 **Screened Interval:** 515-540 ft bgs **Total Well Depth:** 545 ft bgs **TVOC Trigger Value:** 0.7 µg/L **Sample Interval:** Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend NA	**INCREASING** **INCREASING** NA
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0	1.76
Well Name: BPOW 5-6 **Date Install:** 2015, last sampled on 3/10/2020 **Screened Interval:** 585-610 ft bgs **Total Well Depth:** 615 ft bgs **TVOC Trigger Value:** 0.7 µg/L **Sample Interval:** Quarterly	2015 0.15	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV > 1** **NON-STABLE**	**INCREASING** **INCREASING** NA
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0.15	0.779
Well Name: BPOW 5-7 **Date Install**: 2015, last sampled on 3/11/2020 **Screened Interval**: 525-550 ft bgs **Total Well Depth**: 555 ft bgs **TVOC Trigger Value**: 0.8 µg/L **Sample Interval**: Quarterly	2015 0.49	2016 0.11	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval Stability Test	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	No Trend No Trend **CV <= 1** **STABLE**	**DECREASING** **DECREASING** NA	No Trend No Trend **CV <= 1** **STABLE**
	2020 0											
						Max Concentration*	ND	ND	ND	ND	0.49	0.221

Abbreviations: 1,1,1-Trichloroethane (**TCA**), 1,1-Dichloroethane (**1,1-DCA**), 1,1-Dichloroethene (**1,1-DCE**), Trichloroethene (**TCE**), Total Volitile Organic Compounds (**TVOCs**)
Stability test is only run in the event that no trend is found at 80 or 90% confidence interval. A value of "NA" suggests a present trend or a lack of annual detections
*Max concentrations for entire sampling period.
A numeric value of "0" indicates that COCs were not detected.

Table 2-7
Outpost Monitoring Well Cluster 6, Massepequa Water District
Mann-Kendall Groundwater Analysis and Summary

Cluster 6 **Purpose:** Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) **Municipal Well Field Monitored:** Upgradient of Massapequa Water District (MWD) Wells 4 and 5.	**Total VOCS (Max per year, ug/L)**					**Mann-Kendall Standards**	**Analysis**					
							TCA	**1,1-DCA**	**1,1-DCE**	**TCE**	**TVOCs**	**1,4-Dioxane**
Well Name: BPOW6-1 **Date Install**: September 15, 2014, Last sampled 3/12/2020 **Screened Interval**: 550-575 ft bgs **Total Well Depth**: 595 ft bgs **TVOC Trigger Value**: 1.8 µg/L **Sample Interval:** Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	**INCREASING** **INCREASING**
	2020 0					Stability Test	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	NA	NA
						Max Concentration*	ND	ND	ND	ND	0	0.222
Well Name: BPOW6-2 **Date Install**: August 18, 2014, Last sampled 3/12/2020 **Screened Interval**: 755-580 ft bgs **Total Well Depth**: 798 ft bgs **TVOC Trigger Value**: 1.8 µg/L **Sample Interval**: Quarterly	2015 0	2016 0.11	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend
	2020 0					Stability Test	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV > 1** **NON-STABLE**	**CV <= 1** **STABLE**
						Max Concentration*	ND	ND	ND	ND	0.11	0.05
Well Name: BPOW6-3 **Date Install**: November 25, 2014, Last sampled 3/13/2020 **Screened Interval**: 750-775 ft bgs **Total Well Depth**: 795 ft bgs **TVOC Trigger Value**: 2.8 µg/L **Sample Interval**: Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend
	2020 0					Stability Test	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	NA	**CV <= 1** **STABLE**
						Max Concentration*	ND	ND	ND	ND	0	0.143
Well Name: BPOW6-4 **Date Install**: December 16, 2014, Last sampled 3/13/2020 **Screened Interval**: 545-570 ft bgs **Total Well Depth**: 590 ft bgs **TVOC Trigger Value**: 2.8 µg/L **Sample Interval**: Quarterly	2015 0	2016 0	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	**INCREASING** **INCREASING**
	2020 0					Stability Test	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	NA	NA
						Max Concentration*	ND	ND	ND	ND	0	0.323
Well Name: BPOW6-5 **Date Install**: May 8 2015, Last sampled 3/16/2020 **Screened Interval**: 525-550 ft bgs **Total Well Depth**: 567 ft bgs **TVOC Trigger Value**: 1.6 µg/L **Sample Interval**: Quarterly	2015 0.89	2016 1	2017 0	2018 0	2019 0	At 80% Interval 0%	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	**DECREASING** **DECREASING**	No Trend No Trend
	2020 0					Stability Test	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	NA	**CV <= 1** **STABLE**
						Max Concentration*	ND	ND	ND	ND	1	0.1
Well Name: BPOW6-6 **Date Install**: May 27, 2015, Last sampled 3/16/2020 **Screened Interval**: 770-795 ft bgs **Total Well Depth**: 812 ft bgs **TVOC Trigger Value**: 1.6 µg/L **Sample Interval**: Quarterly	2015 0	2016 0.34	2017 0	2018 0	2019 0	At 80% Interval At 90% Interval	No Trend No Trend	No Trend No Trend	No Trend No Trend	No Trend No Trend	**DECREASING** **DECREASING**	No Trend No Trend
	2020 0					Stability Test	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	**CV <= 1** **STABLE**	NA	**CV <= 1** **STABLE**
						Max Concentration*	ND	ND	ND	ND	0.4	0.05

Abbreviations: 1,1,1-Trichloroethane (**TCA**), 1,1-Dichloroethane (**1,1-DCA**), 1,1-Dichloroethene (**1,1-DCE**), Trichloroethene (**TCE**), Total Volitile Organic Compounds (**TVOCs**)
Stability test is only run in the event that no trend is found at 80 or 90% confidence interval. A value of "NA" suggests a present trend or a lack of annual detections
*Max Concentration over the entire sampling period.
A numeric value of "0" indicates that COCs were not detected.

FIGURES

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NAVFAC

GENERAL LOCATION MAP
NWIRP BETHPAGE, NEW YORK

CTO	112G08005-WE16
DRAWN BY	DATE
KB	08/14/20
CHECKED BY	DATE
BF	08/14/20
FIGURE NUMBER	1-1

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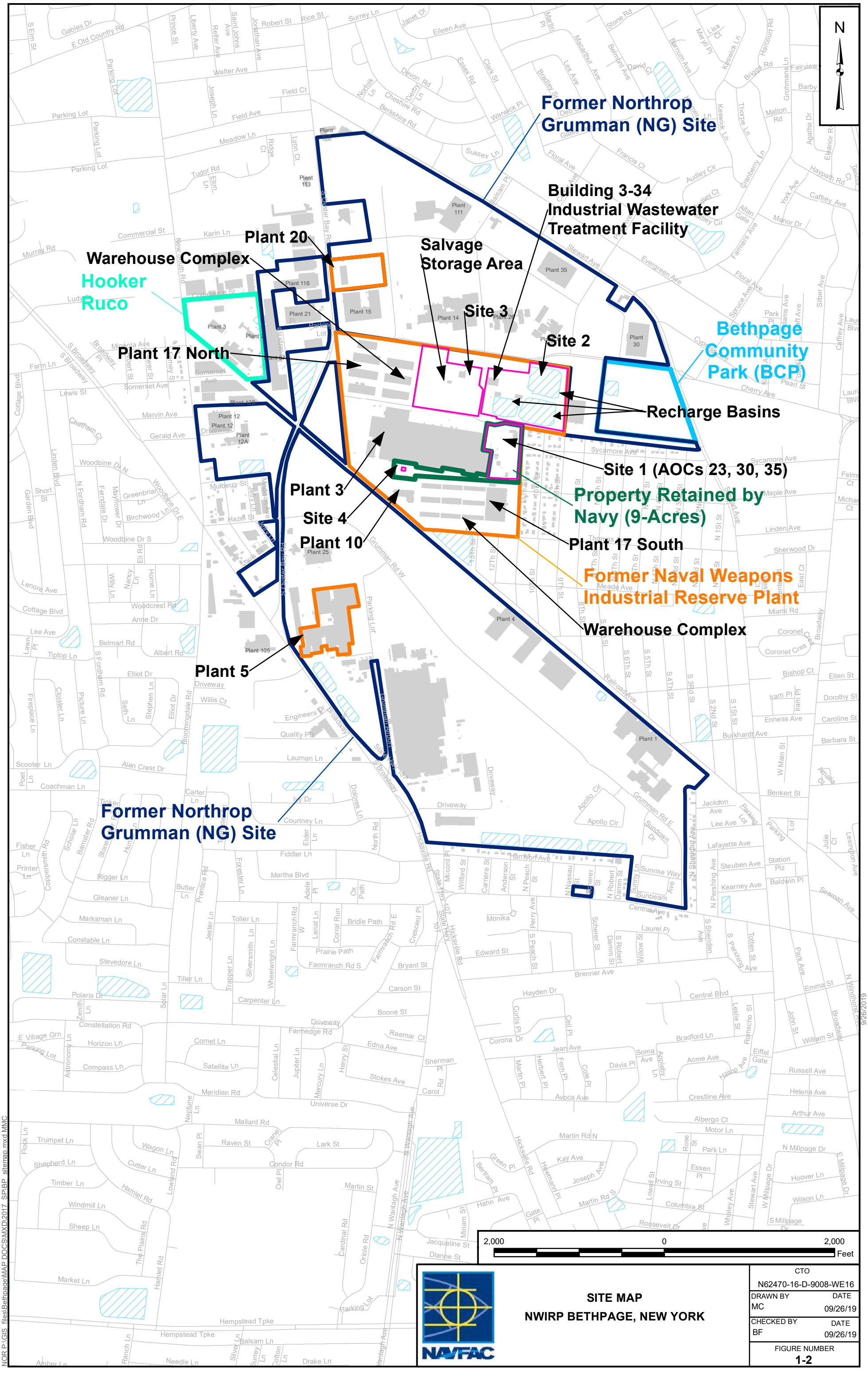
N
Former Northrop Grumman (NG) Site
Building 3-34 Industrial Wastewater Treatment Facility
Plant 20
Warehouse Complex
Hooker Ruco
Salvage Storage Area
Site 3
Site 2
Plant 17 North
Bethpage Community Park (BCP)
Recharge Basins
Site 1 (AOCs 23, 30, 35)
Property Retained by Navy (9-Acres)
Plant 3
Site 4
Plant 10
Plant 17 South
Former Naval Weapons Industrial Reserve Plant
Warehouse Complex
Plant 5
Former Northrop Grumman (NG) Site
2,000 0 2,000
Feet
NAVFAC
SITE MAP
NWIRP BETHPAGE, NEW YORK
CTO
N62470-16-D-9008-WE16
DRAWN BY
MC
DATE
09/26/19
CHECKED BY
BF
DATE
09/26/19
FIGURE NUMBER
1-2
9/26/2019
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Map does not depict HR VOC contamination to OU2 Plume

N

HR

NG

NWIRP

BCP

RW-4

Deep Eastern Plume (OU3)

RE21 Area Hotspot (OU3)

GM38 Area Hotspot (OU2)

RE108 Area Hotspot (OU2)

Deep Western Plume (OU2)

Navy Treatment Plant

Shallow (OU3) Plume

Shallow (OU2) Plume

South Oyster Bay ~ 3.6 Miles

HWD-9-3
HWD-9-1
HWD-9-2
HWD-8-3
HWD-8-1
HWD-3-2
BWD-8
BWD-7
BWD-1
Well 3R
Well 17
Well 18
Well 19
RW-21
RW-20
RW4
BWD-6-1
BWD-6-2
BWD-4-1
BWD-4-2
BWD-5-1
LWD-5A
LWD-7A
LWD-8A
RW5
RW6
RW7
LWD-13
SFWD-3-1
LWD-14
NYAW-3S
NYAW-4S
SFWD-6-1
SFWD-6-2
MWD-4
MWD-5
FWD-11004
FWD-6644
SFWD-5-1
SFWD-5-2
SFWD-1-4
SFWD-1-2
SFWD-1-3
SFWD-4-1
NYWS-6D
NYWS-4D
NYWS-5D

Bethpage

Legend

- Recovery Well
- Recovery Well (Proposed)
- Public Water Supply Well
- Groundwater Flow Direction

2019 TCE Plume (All Depths)

- 5 to100 µg/L TCE
- >100 to 1,000 µg/L TCE
- >1,000 µg/L TCE
- Navy Treatment Plant

Notes:

BCP- Bethpage Community Park (OU3)
BWD- Bethpage Water District
HR- Hooker Ruco Superfund Site
HWD- Hempstead Water District
LWD- Levittown Water District
MWD-Massapequa Water District
NG- Former Northrop Grumman Facility
NWIRP- Former Naval Weapons Industrial Reserve Plant
NYAW- New York American Water
OU- Operable Unit
PWD- Plainview Water District
SFWD- South Farmingdale Water District
TCE- Trichloroethene
µg/L- microgram per liter

2,000 0 2,000 Feet

NAVFAC

OU2 AND OU3
GROUNDWATER PLUME LAYOUT
NWIRP BETHPAGE, NEW YORK

CTO	
N62470-16-D-9008-WE13	
DRAWN BY	DATE
MC	08/18/20
CHECKED BY	DATE
BF	08/18/20
FIGURE NUMBER	
1-3	

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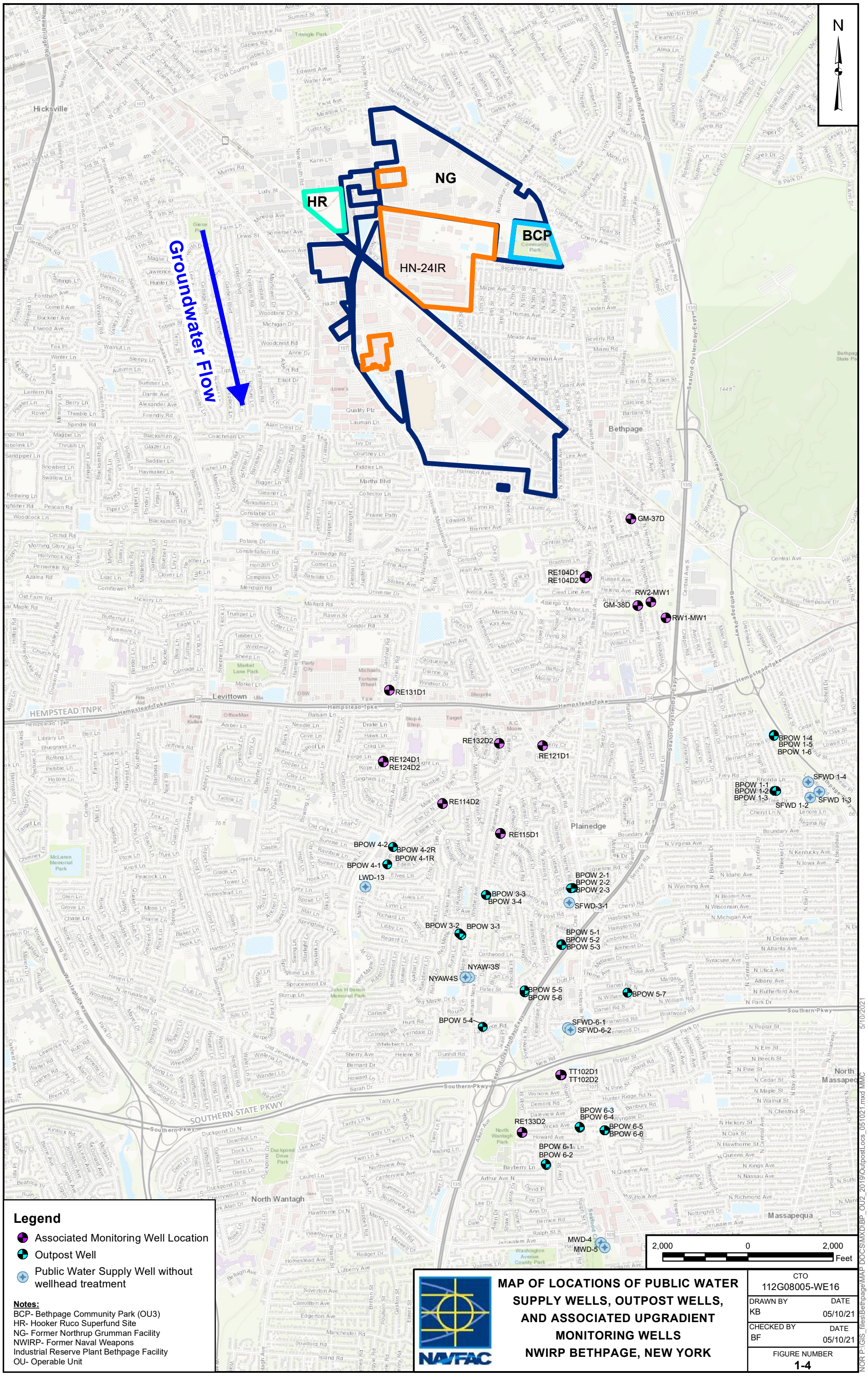

Legend

- Associated Monitoring Well Location
- Outpost Well
- Public Water Supply Well without wellhead treatment

Notes:
BCP- Bethpage Community Park (OU3)
HR- Hooker Ruco Superfund Site
NG- Former Northrup Grumman Facility
NWIRP- Former Naval Weapons
Industrial Reserve Plant Bethpage Facility
OU- Operable Unit

MAP OF LOCATIONS OF PUBLIC WATER SUPPLY WELLS, OUTPOST WELLS, AND ASSOCIATED UPGRADIENT MONITORING WELLS NWIRP BETHPAGE, NEW YORK

CTO	112G08005-WE16
DRAWN BY	KB
DATE	05/10/21
CHECKED BY	BF
DATE	05/10/21
FIGURE NUMBER	1-4

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Appendix A
Mann-Kendall Analysis per Well

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Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 1-1

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->	Concentration (ug/L)					
1	12/1/2004	7.6	2.3	5.2	3.2	18.3	
2	12/1/2005	8.2	2.1	4.6	2.5	17.4	
3	12/1/2006	3.8	2	2.3	2.3	10.4	
4	12/1/2007	1.9	1.2	1.3	1.7	6.1	
5	12/1/2008	1.8	1.8	1.2	1.4	6.1	
6	12/1/2009	1.9	0.74	1	1.4	5.04	
7	12/1/2010	0.91	0.31	0.57	1.4	3.19	
8	12/1/2011	0.57	0.25	0.43	1.2	2.33	
9	12/1/2012	0.45	0.25	0.28	1.1	1.83	
10	12/1/2013	0.25	0.25	0.25	0.9	0.9	
11	12/1/2014	0.33	0.25	0.29	1	1.72	
12	12/1/2015	0.67	0.25	0.6	1.1	2.73	0.05
13	12/1/2016	0.6	0.25	0.46	1.2	2.53	1.193
14	12/1/2017	0.44	0.25	0.46	1.1	2.16	0.115
15	4/13/2018	0.27	0.25	0.25	1.3	1.6	0.05
16	11/14/2018	0.23	0.25	0.23	0.87	1.3	0.05
17	5/29/2019	0.25	0.25	0.25	0.8	0.8	0.05
18	10/16/2019	0.25	0.25	0.2	0.8	1	0.13

Mann Kendall Statistic (S) =	-117.0	-96.0	-117.0	-113.0	-120.0	-1.0
Number of Rounds (n) =	18	18	18	18	18	7
Average =	1.69	0.73	1.10	1.40	4.75	0.23
Standard Deviation =	2.441	0.768	1.484	0.647	5.354	0.424
Coefficient of Variation(CV)=	1.444	1.047	1.344	0.461	1.128	1.813

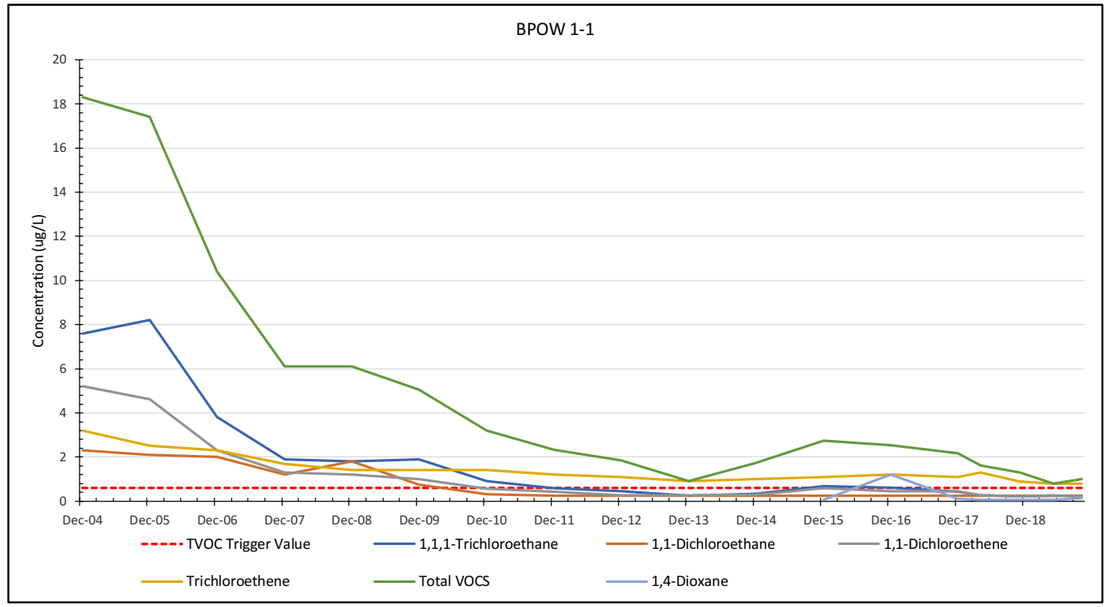
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	No Trend
Trend ≥ 90% Confidence Level	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	NA	NA	NA	CV > 1 NON-STABLE

Data Entry By = LEM | **Date =** 7/21/2020

Well Name: BPOW 1-1
Date Install: 2004
Screened Interval: 196-241 ft bgs
Total Well Depth: 241 ft bgs
TVOC Trigger Value: 0.6 µg/L
Sample Interval: Quarterly - Semi Annually
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1, wells SFWD-4043 [312-372] and SFWD-5148 [309-369]
Municipal Well Field Monitored: Upgradient of SFWD Plant 1



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2017 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 1-2

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->						
		Concentration (ug/L)					
1	12/1/2004	0.25	0.25	0.25	0.25	0	
2	12/1/2005	0.25	0.25	0.25	0.25	0	
3	12/1/2006	0.25	0.25	0.25	0.25	0	
4	12/1/2007	0.25	0.25	0.25	0.25	0	
5	12/1/2008	0.25	0.25	0.25	0.25	0	
6	12/1/2009	0.25	0.25	0.25	0.25	0	
7	12/1/2010	0.25	0.25	0.25	0.25	0	
8	12/1/2011	0.46	0.25	0.28	0.41	1.34	
9	12/1/2012	0.38	0.25	0.26	0.4	1.04	
10	12/1/2013	0.46	0.25	0.46	0.63	1.55	
11	12/1/2014	0.25	0.25	0.25	0.55	0.74	
12	12/1/2015	0.28	0.25	0.25	1.1	1.13	0.05
13	12/1/2016	0.34	0.25	0.26	0.85	1.646	0.167
14	12/1/2017	0.23	0.25	0.25	0.9	1.12	0.204
15	4/13/2018	0.32	0.25	0.29	1	1.6	0.431
16	11/14/2018	0.25	0.25	0.25	0.57	0.57	0.05
17	5/29/2019	0.25	0.25	0.25	0.39	0.39	0.05
18	10/16/2019	0.25	0.25	0.25	0.38	0.38	0.05

Mann Kendall Statistic (S) =	7.0	0.0	16.0	74.0	56.0	-3.0
Number of Rounds (n) =	18	18	18	18	18	7
Average =	0.29	0.25	0.27	0.50	0.64	0.14
Standard Deviation =	0.073	0.000	0.050	0.287	0.637	0.142
Coefficient of Variation(CV)=	0.252	0.000	0.186	0.578	0.996	0.996

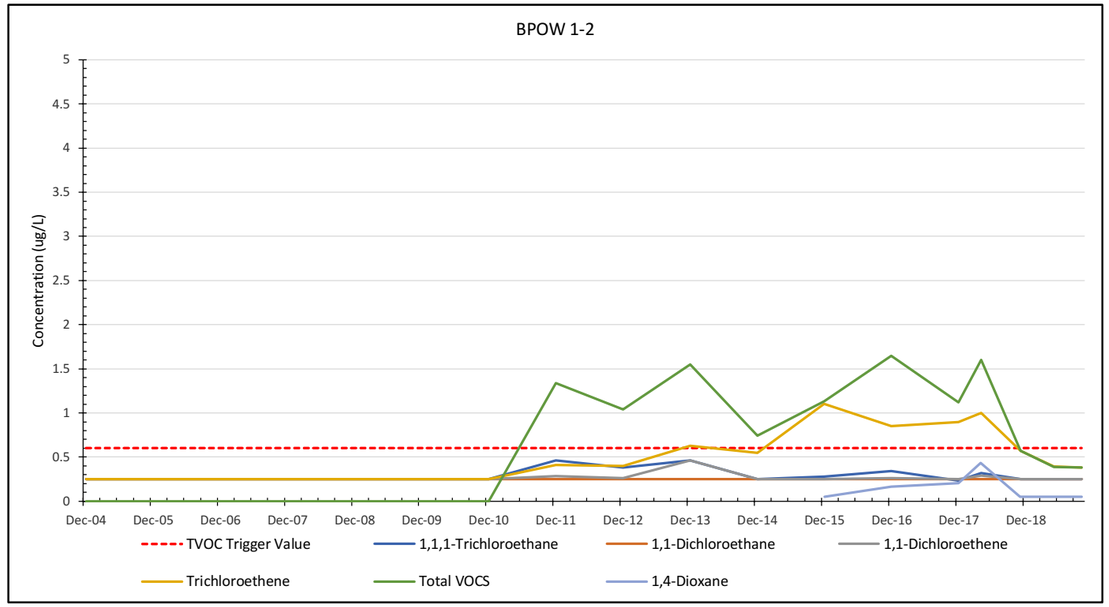
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	INCREASING	INCREASING	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	INCREASING	INCREASING	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	NA	NA	CV <= 1 STABLE

Data Entry By = LEM | **Date =** 7/21/2020

Well Name: BPOW 1-2
Date Install: 2004
Screened Interval: 310-335 ft bgs
Total Well Depth: 335 ft bgs
TVOC Trigger Value: 0.6 µg/L
Sample Interval: Quarterly - Semi Annually
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1, wells SFWD-4043 [312-372] and SFWD-5148 [309-369].
Municipal Well Field Monitored: Upgradient of SFWD Plant 1



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2017 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 1-3

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	12/1/2004	5.3	1.4	3.2	1.1	11	
2	12/1/2005	7.8	1.9	4.1	1.4	15.2	
3	12/1/2006	5.3	1.8	3.3	1.4	11.8	
4	12/1/2007	7	2.4	5.3	1.3	16	
5	12/1/2008	4.2	2	3.1	1.1	10	
6	12/1/2009	4	1.8	2.6	1.2	9.82	
7	12/1/2010	3	1.4	2.3	0.86	7.56	
8	12/1/2011	0.25	0.25	0.25	0.25	0	
9	12/1/2012	0.25	0.25	0.25	0.25	0.25	
10	12/1/2013	0.25	0.25	0.25	0.25	0	
11	12/1/2014	0.25	0.25	0.25	0.25	0	
12	12/1/2015	0.25	0.25	0.25	0.25	0	0.05
13	12/1/2016	0.25	0.25	0.25	0.25	0	0.167
14	12/1/2017	0.25	0.25	0.25	0.25	0	0.312
15	4/12/2018	0.25	0.25	0.25	0.25	0	0.516
16	11/14/2018	0.25	0.25	0.25	0.25	0	0.179
17	5/29/2019	0.25	0.25	0.25	0.25	0	0.05
18	10/16/2019	0.25	0.25	0.25	0.25	0	0.106

Mann Kendall Statistic (S) =	-91.0	-78.0	-88.0	-86.0	-96.0	0.0
Number of Rounds (n) =	18	18	18	18	18	7
Average =	2.19	0.86	1.48	0.62	4.54	0.20
Standard Deviation =	2.693	0.812	1.696	0.487	6.091	0.167
Coefficient of Variation(CV)=	1.232	0.945	1.146	0.790	1.343	0.848

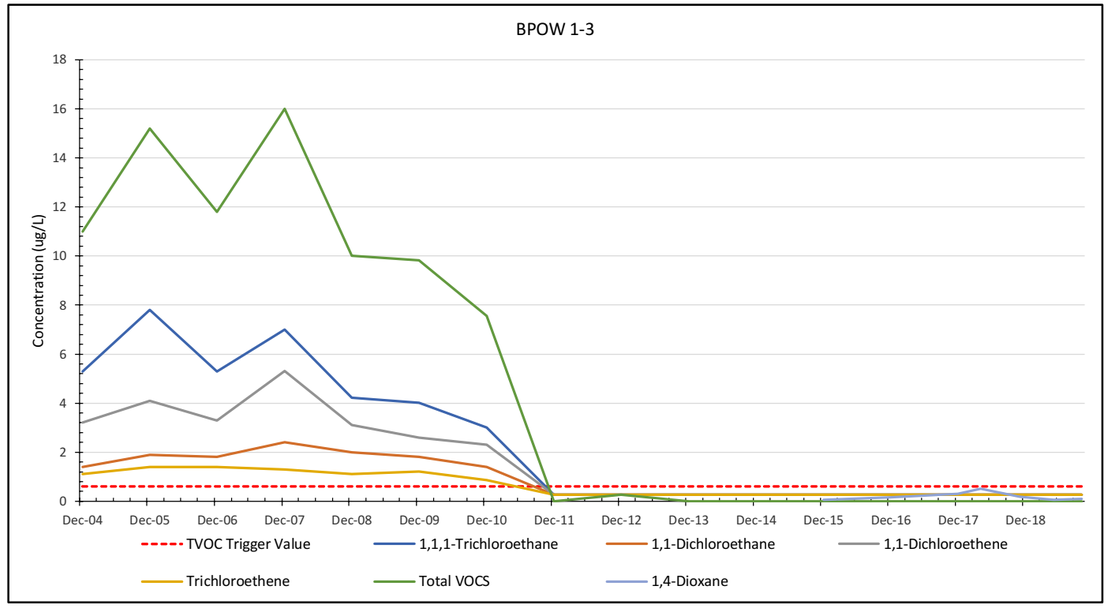
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	**DECREASING**	**DECREASING**	**DECREASING**	**DECREASING**	**DECREASING**	No Trend
Trend ≥ 90% Confidence Level	**DECREASING**	**DECREASING**	**DECREASING**	**DECREASING**	**DECREASING**	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	NA	NA	NA	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/21/2020

Well Name: BPOW 1-3
Date Install: 2004, Casing Repaired in 2010.
Screened Interval: 374-419 ft bgs
Total Well Depth: 419 ft bgs
TVOC Trigger Value: 0.6 µg/L
Sample Interval: Quarterly - Semi Annually
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1, wells SFWD-4043 [312-372] and SFWD-5148 [309-369].
Municipal Well Field Monitored: Upgradient of SFWD Plant 1



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2017 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 1-4

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	12/1/2011	0.25	0.25	0.25	0.25	0	
2	12/1/2012	0.25	0.25	0.25	0.25	0	
3	12/1/2013	0.25	0.25	0.25	0.25	0	
4	12/1/2014	0.25	0.25	0.25	0.25	0	
5	3/20/2015	0.25	0.25	0.25	0.25	0	
6	5/27/2015	0.25	0.25	0.25	0.25	0	
7	8/18/2015	0.25	0.25	0.25	0.25	0	0.05
8	12/4/2015	0.25	0.25	0.25	0.25	0	0.05
9	6/21/2016	0.25	0.25	0.25	0.25	0	0.1
10	11/28/2016	0.25	0.25	0.25	0.25	0	0.05
11	6/12/2017	0.25	0.25	0.25	0.25	0	0.05
12	11/8/2017	0.25	0.25	0.25	0.25	0	0.05
13	4/14/2018	0.25	0.25	0.25	0.25	0	0.136
14	11/19/2018	0.25	0.25	0.25	0.25	0	0.05
15	6/4/2019	0.25	0.25	0.25	0.25	0	0.05
16	10/18/2019	0.25	0.25	0.25	0.25	0	0.104
17							
18							

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	8.0
Number of Rounds (n) =	16	16	16	16	16	10
Average =	0.25	0.25	0.25	0.25	0.00	0.07
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.032
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.463

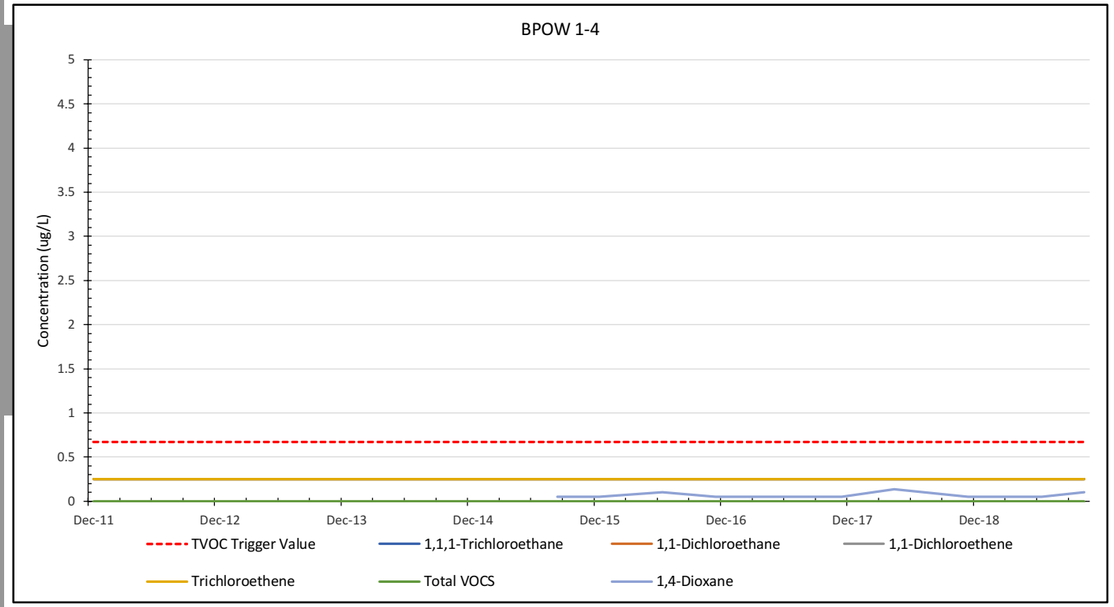
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/21/2020

Well Name: BPOW 1-4
Date Install: 2004
Screened Interval: 340-400 ft bgs
Total Well Depth: 410 ft bgs
TVOC Trigger Value: 0.67 µg/L
Sample Interval: Quarterly - Semi Annually
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1, wells SFWD-4043 [312-372] and SFWD-5148 [309-369].
Municipal Well Field Monitored: Upgradient of SFWD Plant 1



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2011- 2014 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 1-5

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	12/1/2011	0.25	0.25	0.25	0.25	0	
2	12/1/2012	0.25	0.25	0.25	0.25	0	
3	12/1/2013	0.25	0.25	0.25	0.25	0	
4	12/1/2014	0.25	0.25	0.25	0.25	0	
5	3/20/2015	0.25	0.25	0.25	0.25	0	
6	5/29/2015	0.25	0.25	0.25	0.25	0	
7	8/18/2015	0.25	0.25	0.25	0.25	0	0.05
8	11/3/2015	0.25	0.25	0.25	0.25	0	0.05
9	6/17/2016	0.25	0.25	0.25	0.25	0	0.043
10	11/28/2016	0.25	0.25	0.25	0.25	0	0.05
11	6/12/2017	0.25	0.25	0.25	0.25	0	0.05
12	11/8/2017	0.25	0.25	0.25	0.25	0	0.05
13	4/17/2018	0.25	0.25	0.25	0.25	0	0.139
14	11/19/2018	0.25	0.25	0.25	0.25	0	0.05
15	5/31/2019	0.25	0.25	0.25	0.25	0	0.05
16	10/18/2019	0.25	0.25	0.25	0.25	0	0.05
17							
18							

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	7.0
Number of Rounds (n) =	16	16	16	16	16	10
Average =	0.25	0.25	0.25	0.25	0.00	0.06
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.028
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.489

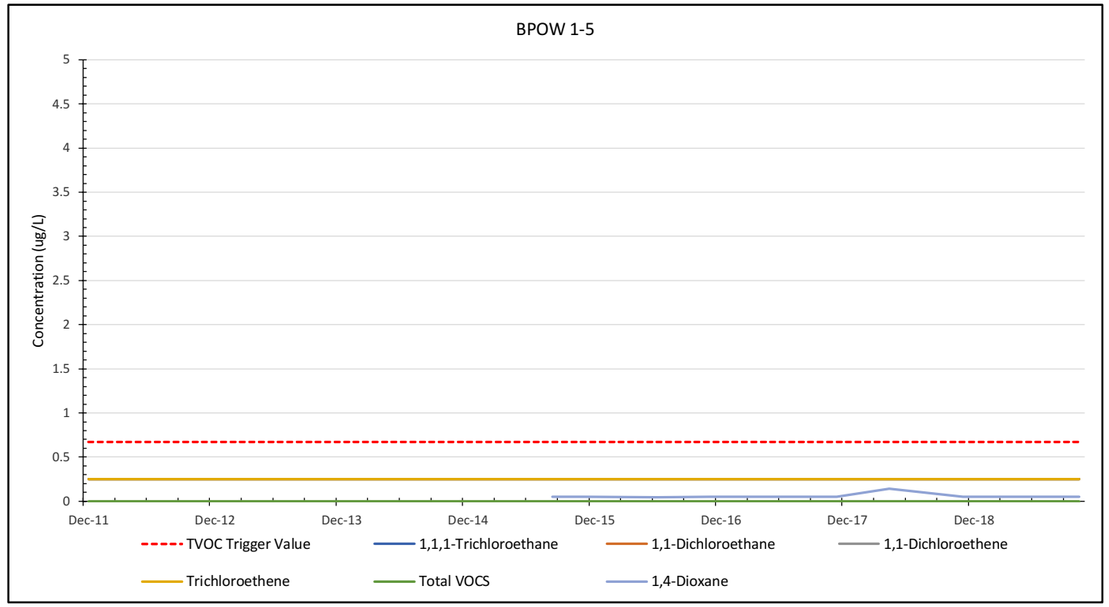
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/21/2020

Well Name: BPOW 1-5
Date Install: 2004
Screened Interval: 600-650 ft bgs
Total Well Depth: 665 ft bgs
TVOC Trigger Value: 0.67 µg/L
Sample Interval: Quarterly - Semi Annually
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1, well SFWD-7377 [607-758].
Municipal Well Field Monitored: Upgradient of SFWD Plant 1



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2011- 2014 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 1-6

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->	Concentration (ug/L)					
1	12/2/2011	0.25	0.25	0.25	0.25	0	
2	12/1/2012	0.25	0.25	0.25	0.25	0	
3	12/1/2013	0.25	0.25	0.25	0.25	0	
4	2/27/2014	0.25	0.25	0.25	0.25	0	
5	04/18/2014	0.25	0.25	0.25	0.25	0	
6	8/20/2014	0.25	0.25	0.25	0.25	0	
7	12/11/2014	0.25	0.25	0.25	0.25	0	
8	3/23/2015	0.25	0.25	0.25	0.25	0	
9	06/2/2015	0.25	0.25	0.25	0.25	0	
10	8/17/2015	0.25	0.25	0.25	0.25	0	0.05
11	11/5/2015	0.25	0.25	0.25	0.25	0	0.05
12	6/17/2016	0.25	0.25	0.25	0.25	0	0.0406
13	6/27/2017	0.25	0.25	0.25	0.25	0	0.05
14	11/8/2017	0.25	0.25	0.25	0.25	0	0.05
15	4/17/2018	0.25	0.25	0.25	0.25	0	0.114
16	11/19/2018	0.25	0.25	0.25	0.25	0	0.05
17	6/4/2019	0.25	0.25	0.25	0.25	0	0.05
18	10/21/2019	0.25	0.25	0.25	0.25	0	0.05

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	5.0
Number of Rounds (n) =	18	18	18	18	18	9
Average =	0.25	0.25	0.25	0.25	0.00	0.06
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.022
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.391

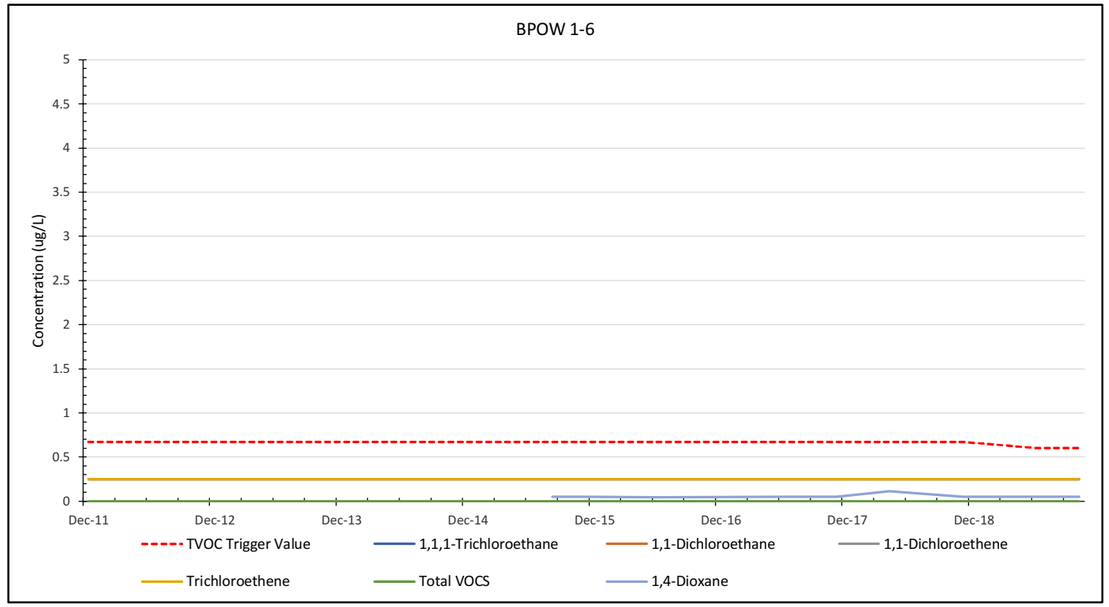
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/21/2020

Well Name: BPOW 1-6
Date Install: 2004
Screened Interval: 700-750 ft bgs
Total Well Depth: 770 ft bgs
TVOC Trigger Value: 0.67 µg/L
Sample Interval: Quarterly - Semi Annually
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 1, well SFWD-7377 [607-758].
Municipal Well Field Monitored: Upgradient of SFWD Plant 1



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2011 - 2013 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 2-1

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	1/3/2005	0.6	1.4	0.25	2	7	
2	12/1/2005	0.81	2	0.25	2.4	10.24	
3	12/1/2006	0.94	1.3	0.25	2.1	10.45	
4	12/1/2007	0.25	2	0.53	1.9	8.52	
5	12/1/2010	0.25	0.25	0.25	0.25	0	
6	12/1/2011	0.25	0.25	0.25	0.25	0	
7	12/2/2012	0.25	0.25	0.25	0.25	0	
8	12/3/2013	0.25	0.25	0.25	0.25	0	
9	12/4/2014	0.25	0.25	0.25	0.25	0	
10	12/5/2015	0.25	0.25	0.25	0.25	0	0.09
11	12/1/2016	0.25	0.25	0.25	0.25	0	0.683
12	12/1/2017	0.25	0.25	0.25	0.25	0	1.48
13	12/1/2018	0.25	0.25	0.25	0.25	0	2.6
14	2/18/2019	0.25	0.25	0.25	0.25	0	0.644
15	5/30/2019	0.25	0.25	0.25	0.25	0	0.05
16	9/9/2019	0.25	0.25	0.25	0.25	0	1.22
17	10/21/2019	0.25	0.25	0.25	0.25	0	0.797
18							

Mann Kendall Statistic (S) =	-39.0	-51.0	-10.0	-54.0	-50.0	2.0
Number of Rounds (n) =	17	17	17	17	17	8
Average =	0.34	0.59	0.27	0.69	2.13	0.95
Standard Deviation =	0.218	0.644	0.068	0.814	4.020	0.829
Coefficient of Variation(CV)=	0.634	1.101	0.255	1.188	1.887	0.877

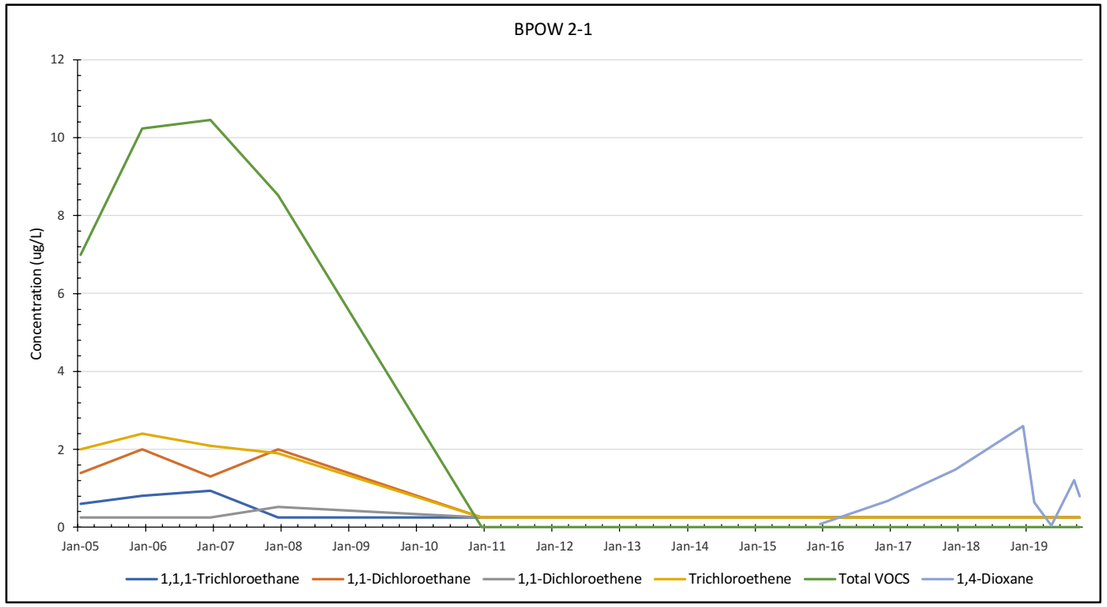
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	**DECREASING**	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	No Trend
Trend ≥ 90% Confidence Level	**DECREASING**	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	**CV <= 1 STABLE**	NA	NA	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 2-1
Date Install: 2005, REparied in 2010
Screened Interval: 356-396 ft bgs
Total Well Depth: 400 ft bgs
TVOC Trigger Value: Not Established
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 3, well SFWD-6150 [545-607].
Municipal Well Field Monitored: Upgradient of SFWD Plant 3.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2018 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 2-2

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	1/3/2005	0.25	0.25	0.25	0.66	0.66	
2	12/1/2005	0.64	0.91	0.25	1.4	2.62	
3	12/1/2006	0.25	1	0.25	1.4	2.4	
4	12/1/2007	0.25	0.69	0.25	0.69	1.38	
5	12/1/2010	0.22	0.82	0.32	0.25	2.26	
6	12/1/2011	0.25	0.76	0.36	0.9	1.92	
7	12/1/2013	0.25	0.25	0.25	0.25	0	
8	12/1/2014	0.25	0.25	0.25	0.25	0	
9	12/2/2015	0.25	0.25	0.25	0.25	0	0.05
10	12/1/2016	0.25	0.25	0.25	0.25	0	0.397
11	12/1/2017	0.25	0.25	0.25	0.25	0	0.333
12	12/1/2018	0.25	0.25	0.25	0.25	0	0.51
13	2/18/2019	0.25	0.25	0.25	0.25	0	0.475
14	5/30/2019	0.25	0.25	0.25	0.25	0	0.05
15	9/9/2019	0.25	0.25	0.25	0.25	0	0.738
16	10/21/2019	0.25	0.25	0.25	0.25	0	0.641
17							
18							

Mann Kendall Statistic (S) =	-5.0	-49.0	-11.0	-52.0	-61.0	13.0
Number of Rounds (n) =	16	16	16	16	16	8
Average =	0.27	0.43	0.26	0.49	0.70	0.40
Standard Deviation =	0.098	0.288	0.032	0.410	1.028	0.251
Coefficient of Variation(CV)=	0.361	0.664	0.121	0.842	1.464	0.628

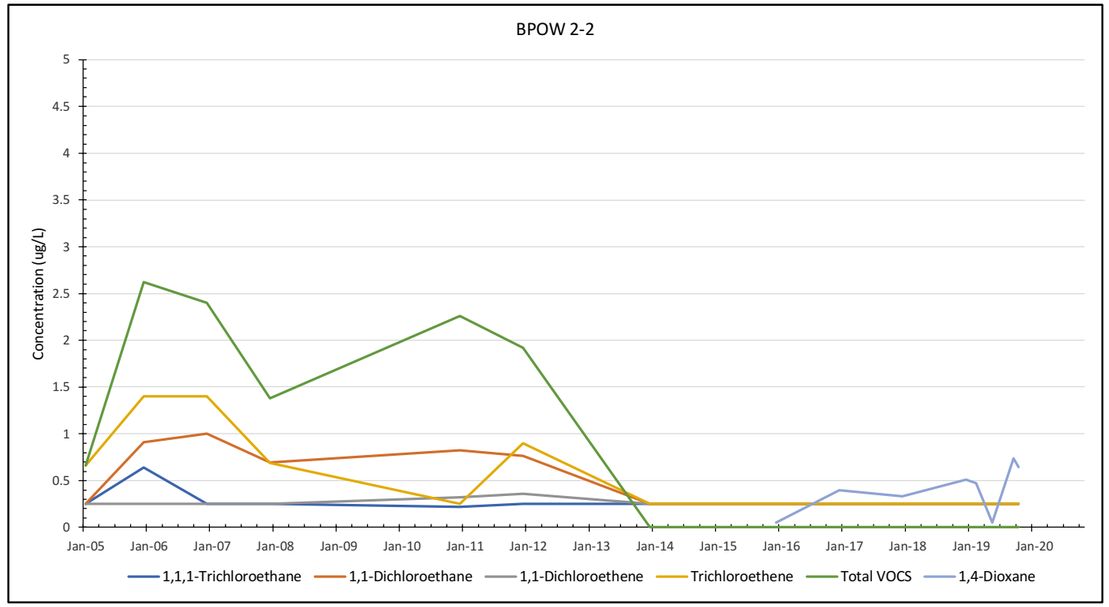
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	**DECREASING**	No Trend	**DECREASING**	**DECREASING**	**INCREASING**

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	NA	**CV <= 1 STABLE**	NA	NA	NA

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 2-2
Date Install: 2005, Redeveloped in 2011.
Screened Interval: 455-495ft bgs
Total Well Depth: 510ft bgs
TVOC Trigger Value: Not Established
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 3, well SFWD-6150 [545-607].
Municipal Well Field Monitored: Upgradient of SFWD Plant 3.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2018 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 2-3

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->						
		Concentration (ug/L)					
1	12/22/2011	0.25	0.25	0.25	0.56	0.56	
2	12/1/2012	0.25	0.25	0.25	0.25	0	
3	12/1/2013	0.25	0.25	0.25	0.48	0.48	
4	12/1/2014	0.25	0.25	0.25	0.25	0	
5	12/1/2015	0.25	0.25	0.25	0.25	0	0.97
6	12/1/2016	0.25	0.25	0.25	0.25	0	4.01
7	2/22/2017	0.25	0.25	0.25	0.25	0	3.68
8	5/9/2017	0.25	0.25	0.25	0.25	0	3.77
9	9/20/2017	0.25	0.25	0.25	0.25	0	3.98
10	10/23/2017	0.25	0.25	0.25	0.25	0	3.81
11	2/26/2018	0.25	0.25	0.25	0.25	0	4.88
12	4/20/2018	0.25	0.25	0.25	0.25	0	3.14
13	9/6/2018	0.25	0.25	0.25	0.25	0	4.27
14	11/13/2018	0.25	0.25	0.25	0.25	0	4.4
15	2/18/2019	0.25	0.25	0.25	0.25	0	3.19
16	5/30/2019	0.25	0.25	0.25	0.25	0	0.05
17	9/12/2019	0.25	0.25	0.25	0.25	0	3.9
18	10/21/2019	0.25	0.25	0.25	0.25	0	3.89

Mann Kendall Statistic (S) =	0.0	0.0	0.0	-31.0	-31.0	5.0
Number of Rounds (n) =	18	18	18	18	18	14
Average =	0.25	0.25	0.25	0.28	0.06	3.42
Standard Deviation =	0.000	0.000	0.000	0.088	0.169	1.323
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.316	2.920	0.386

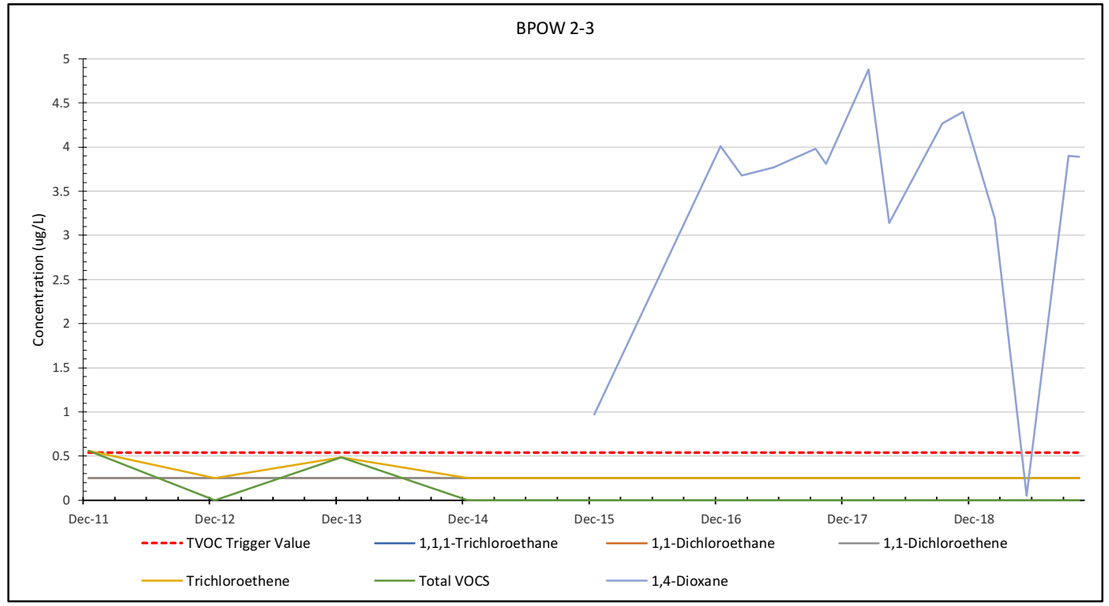
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	**DECREASING**	**DECREASING**	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	NA	NA	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 2-3
Date Install: 2005
Screened Interval: 564-594ft bgs
Total Well Depth: 610 ft bgs
TVOC Trigger Value: 0.54 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District Plant 3, well SFWD-6150 [545-607].
Municipal Well Field Monitored: Upgradient of SFWD Plant 3.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2011 - 2016 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 3-1

Compound ->	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
Event Number	Sampling Date (most recent last)	Concentration (ug/L)					
1	1/5/2005	0.25	0.25	0.25	0.25	0	
2	12/1/2005	0.25	0.25	0.25	0.25	0	
3	12/1/2006	0.25	0.25	0.25	0.25	0	
4	12/1/2007	0.25	0.25	0.25	0.25	0	
5	12/1/2008	0.25	0.25	0.25	0.25	0	
6	12/1/2009	0.25	0.25	0.25	0.25	0	
7	12/1/2010	0.25	0.25	0.25	0.25	0	
8	12/1/2011	0.25	0.25	0.25	0.25	0	
9	12/1/2012	0.25	0.25	0.25	0.25	0	
10	12/1/2013	0.25	0.25	0.25	0.25	0	
11	12/1/2014	0.25	0.25	0.25	0.25	0	
12	12/1/2015	0.25	0.25	0.25	0.25	0	0.28
13	12/1/2016	0.25	0.25	0.25	0.25	0	0.882
14	12/1/2017	0.25	0.25	0.25	0.25	0	0.811
15	4/12/2018	0.25	0.25	0.25	0.25	0	1.09
16	11/15/2018	0.25	0.25	0.25	0.25	0	0.796
17	6/4/2019	0.25	0.25	0.25	0.25	0	0.05
18	10/22/2019	0.25	0.25	0.25	0.25	0	0.699

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	-5.0
Number of Rounds (n) =	18	18	18	18	18	7
Average =	0.25	0.25	0.25	0.25	0.00	0.66
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.364
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.552

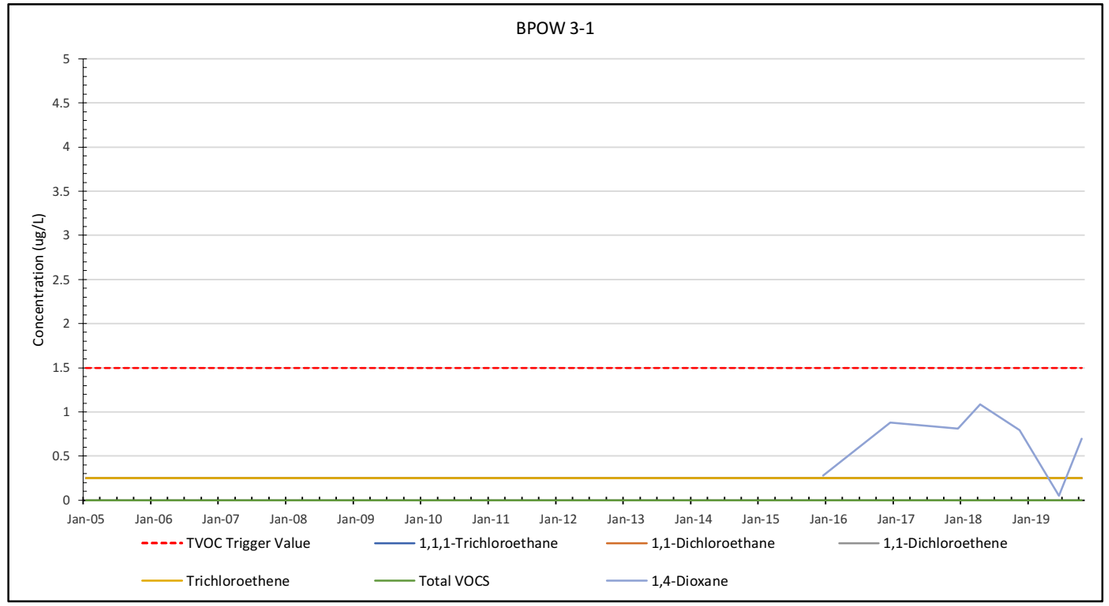
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	#DIV/0! #DIV/0!	CV <= 1 STABLE

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 3-1
Date Install: 2005
Screened Interval: 426-516 ft bgs
Total Well Depth: 516 ft bgs
TVOC Trigger Value: 1.5 µg/L
Sample Interval: Quarterly - Semi-Annual
Purpose: Provide early warning of potential contaminant plume migration into New York American Water Seamans Neck Road Plant, wells NYAW-8480 [585-646] and NYAW-9338 [570-655].
Municipal Well Field Monitored: New York American Water Seamans Neck Road Plant



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2017 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 3-2

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->	Concentration (ug/L)					
1	1/4/2005	0.25	0.25	0.25	0.25	0	
2	12/1/2005	0.25	0.25	0.25	0.25	0	
3	12/1/2006	0.25	0.25	0.25	0.25	0	
4	12/1/2007	0.25	0.25	0.25	0.25	0	
5	12/1/2008	0.25	0.25	0.25	0.25	0	
6	12/1/2009	0.25	0.25	0.25	0.25	0	
7	12/1/2010	0.25	0.25	0.25	0.25	0	
8	12/1/2011	0.25	0.25	0.25	0.25	0	
9	12/1/2012	0.25	0.25	0.25	0.25	0	
10	12/1/2013	0.25	0.25	0.25	0.25	0	
11	12/1/2014	0.25	0.25	0.25	0.25	0	
12	12/1/2015	0.25	0.25	0.25	0.25	0	1.3
13	12/1/2016	0.25	0.25	0.25	0.25	0	4.54
14	12/1/2017	0.25	0.25	0.25	0.25	0	4.48
15	5/30/2018	0.25	0.25	0.25	0.25	0	3.33
16	11/15/2018	0.25	0.25	0.25	0.25	0	3.35
17	6/4/2019	0.25	0.25	0.25	0.25	0	4.66
18	10/22/2019	0.25	0.25	0.25	0.25	0	3.75

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	5.0
Number of Rounds (n) =	18	18	18	18	18	7
Average =	0.25	0.25	0.25	0.25	0.00	3.63
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	1.171
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.323

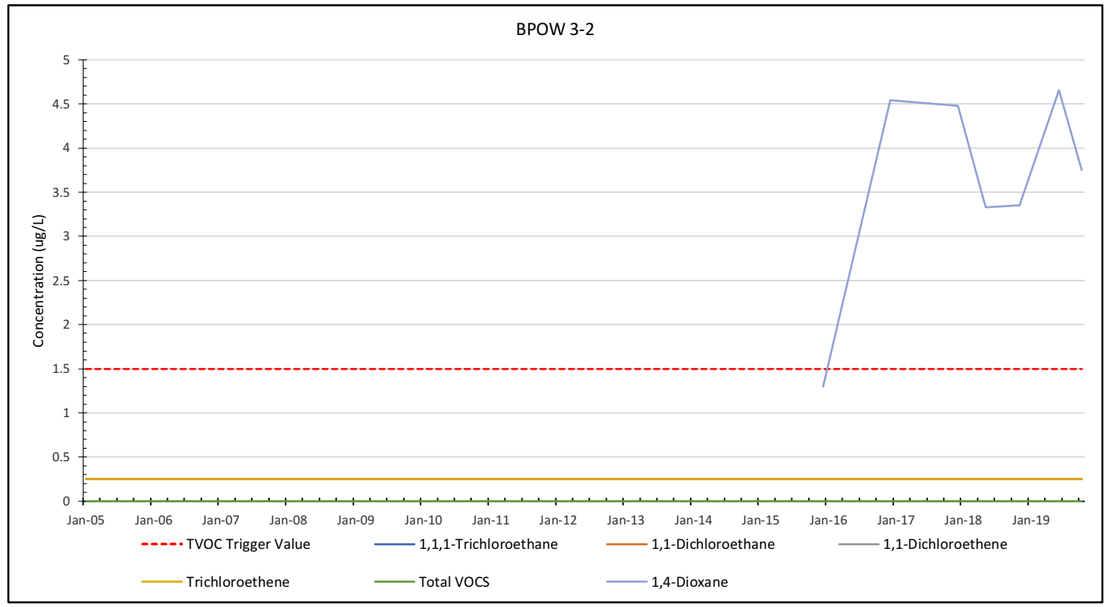
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	**CV <= 1 STABLE**

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 3-2
Date Install: 2005
Screened Interval: 612-647 ft bgs
Total Well Depth: 647 ft bgs
TVOC Trigger Value: 1.5 µg/L
Sample Interval: Quarterly - Semi-Annual
Purpose: Provide early warning of potential contaminant plume migration into New York American Water Seamans Neck Road Plant, wells NYAW-8480 [585-646] and NYAW-9338 [570-655].
Municipal Well Field Monitored: New York American Water Seamans Neck Road Plant



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005 - 2017 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 3-3

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	12/6/2011	0.25	0.25	0.25	0.25	0	
2	12/1/2012	0.25	0.25	0.25	0.25	0	
3	12/1/2013	0.25	0.25	0.25	0.25	0	
4	12/1/2014	0.25	0.25	0.25	0.25	0	
5	3/24/2015	0.25	0.25	0.25	0.25	0	
6	6/9/2015	0.25	0.25	0.25	0.25	0	
7	8/25/2015	0.25	0.25	0.25	0.25	0	0.6
8	11/4/2015	0.25	0.25	0.25	0.25	0	1.8
9	6/21/2016	0.25	0.25	0.25	0.25	0	6.16
10	11/21/2016	0.25	0.25	0.25	0.25	0	7.1
11	6/14/2017	0.25	0.25	0.25	0.25	0	5.63
12	11/10/2017	0.25	0.25	0.25	0.25	0	4.98
13	4/16/2018	0.25	0.25	0.25	0.25	0	5.87
14	11/15/2018	0.25	0.25	0.25	0.25	0	5.74
15	6/3/2019	0.25	0.25	0.25	0.25	0	5.44
16	10/22/2019	0.25	0.25	0.25	0.25	0	6.8
17							
18							

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	13.0
Number of Rounds (n) =	16	16	16	16	16	10
Average =	0.25	0.25	0.25	0.25	0.00	5.01
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	2.121
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.423

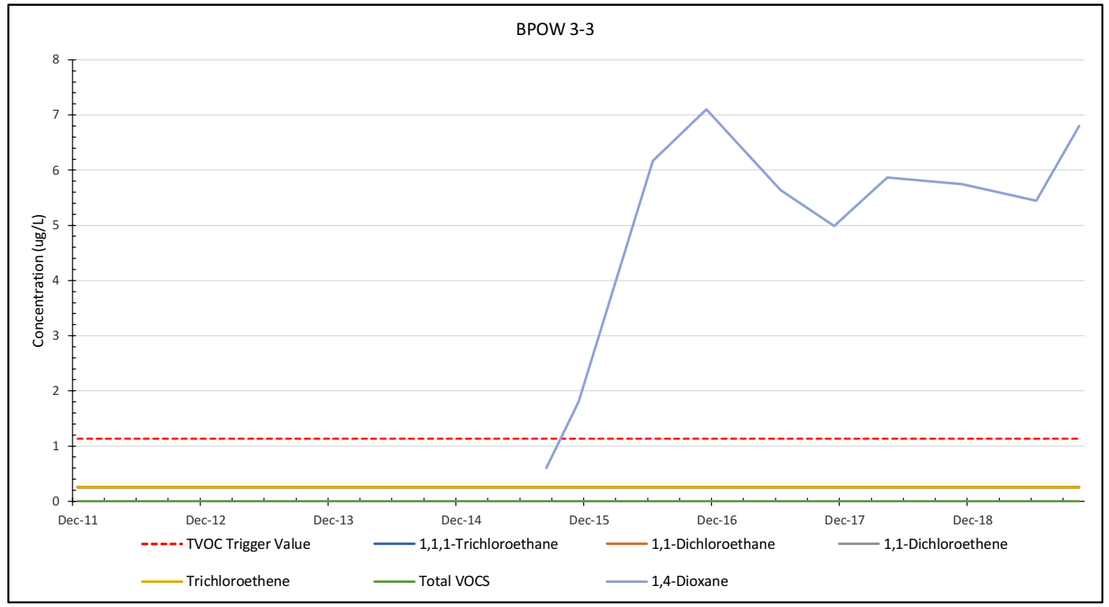
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 3-3
Date Install: 2005
Screened Interval: 580-620 ft bgs
Total Well Depth: 635 ft bgs
TVOC Trigger Value: 1.13 µg/L
Sample Interval: Quarterly - Semi-Annual
Purpose: Provide early warning of potential contaminant plume migration into New York American Water Seamans Neck Road Plant, wells NYAW-8480 [585-646] and NYAW-9338 [570-655].
Municipal Well Field Monitored: New York American Water Seamans Neck Road Plant



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2011 - 2014 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 3-4

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	12/7/2011	0.25	0.25	0.25	46	49	
2	12/1/2012	0.25	0.25	0.25	59	63	
3	12/1/2013	0.25	0.25	0.25	64	67	
4	12/1/2014	0.25	0.43	0.25	74.6	79	
5	3/31/2015	0.25	0.25	0.39	64.2	68	
6	6/9/2015	0.25	0.25	0.5	52.9	57	
7	8/25/2015	0.25	0.25	0.61	60.9	66	0.77
8	12/11/2015	0.25	0.25	0.25	80.7	84	1.33
9	6/22/2016	0.074	0.69	0.13	63	68	3.91
10	11/21/2016	0.11	0.25	1.1	78.8	84	4.13
11	6/14/2017	0.13	0.21	1.6	77.3	85	4.43
12	11/10/2017	0.26	0.43	3.2	106	120	2.52
13	4/16/2018	0.48	0.61	4.6	192	210	6.08
14	11/15/2018	0.25	0.36	2.8	139	150	4.43
15	6/3/2019	0.33	0.44	4	154	170	6.5
16	10/22/2019	0.38	0.5	3.9	156	170	6.7
17							
18							

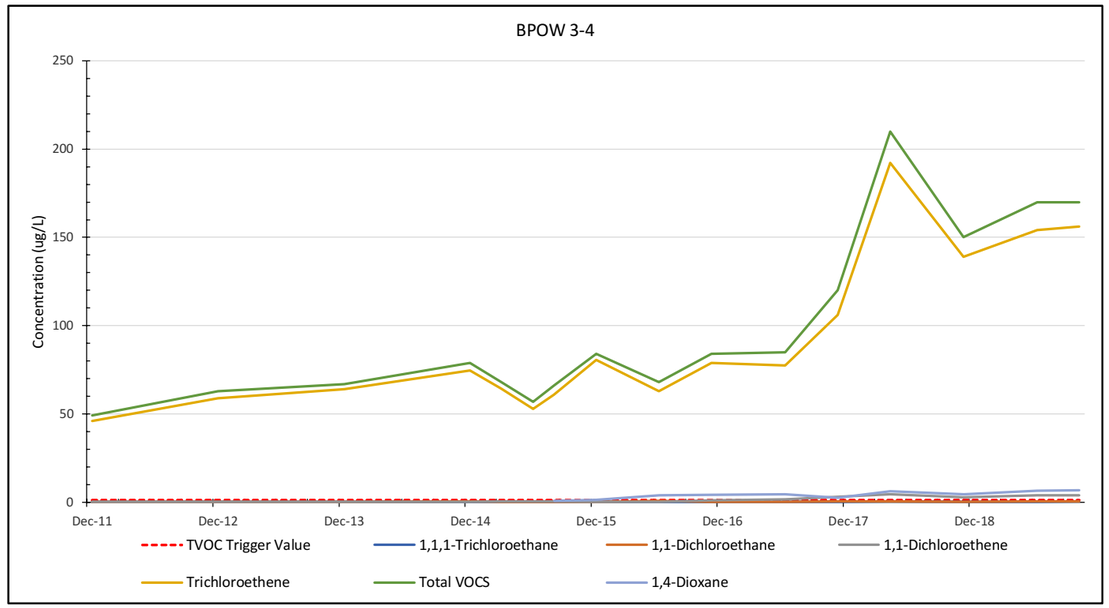
Mann Kendall Statistic (S) =	28.0	39.0	78.0	84.0	91.0	36.0
Number of Rounds (n) =	16	16	16	16	16	10
Average =	0.25	0.35	1.51	91.78	99.38	4.08
Standard Deviation =	0.097	0.147	1.614	44.169	49.047	2.053
Coefficient of Variation(CV)=	0.387	0.416	1.073	0.481	0.494	0.503

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	INCREASING	INCREASING	INCREASING	INCREASING	INCREASING	INCREASING
Trend ≥ 90% Confidence Level	No Trend	INCREASING	INCREASING	INCREASING	INCREASING	INCREASING
Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	NA	NA	NA	NA

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 3-4
Date Install: 2005
Screened Interval: 640-690 ft bgs
Total Well Depth: 840 ft bgs
TVOC Trigger Value: 1.13 µg/L
Sample Interval: Quarterly - Semi-Annual
Purpose: Provide early warning of potential contaminant plume migration into New York American Water Seamans Neck Road Plant, wells NYAW-8480 [585-646] and NYAW-9338 [570-655].
Municipal Well Field Monitored: New York American Water Seamans Neck Road Plant



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2011 - 2014 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 4-1R

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	1/6/2005	0.25	0.25	0.25	0.25	0	0
2	12/1/2005	0.25	0.25	0.25	0.25	0	0
3	12/1/2006	0.25	0.25	0.25	0.25	0	0
4	12/1/2007	0.25	0.25	0.25	0.25	0	0
5	12/1/2008	0.25	0.25	0.25	0.25	0	0
6	12/1/2009	0.25	0.25	0.25	0.25	0.56	0
7	12/1/2010	0.25	0.25	0.25	0.25	0.87	0
8	12/1/2011	0.25	0.25	0.25	0.25	1.1	0
9	12/1/2012	0.25	0.25	0.25	0.25	6.21	0
10	12/1/2013	0.25	0.26	0.25	0.25	7.6	0
11	12/1/2015	0.25	0.25	0.5	0.92	16.576	0.58
12	12/1/2016	0.25	0.25	0.56	1.1	18.45	3
13	5/26/2017	0.18	0.25	1	0.84	29.76	2.64
14	11/6/2017	0.25	0.25	0.28	0.28	9.87	1.87
15	4/12/2018	1.4	0.25	0.65	0.34	20.29	2.84
16	11/16/2018	0.25	0.25	0.77	0.58	30.29	3.12
17	5/28/2019	0.25	0.25	0.75	0.62	27	3.32
18	10/25/2019	0.25	0.25	0.8	1.1	33	4.05

Mann Kendall Statistic (S) =	3.0	1.0	92.0	79.0	131.0	100.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.31	0.25	0.43	0.46	11.20	1.19
Standard Deviation =	0.273	0.002	0.254	0.317	12.335	1.525
Coefficient of Variation(CV)=	0.879	0.009	0.585	0.688	1.101	1.282

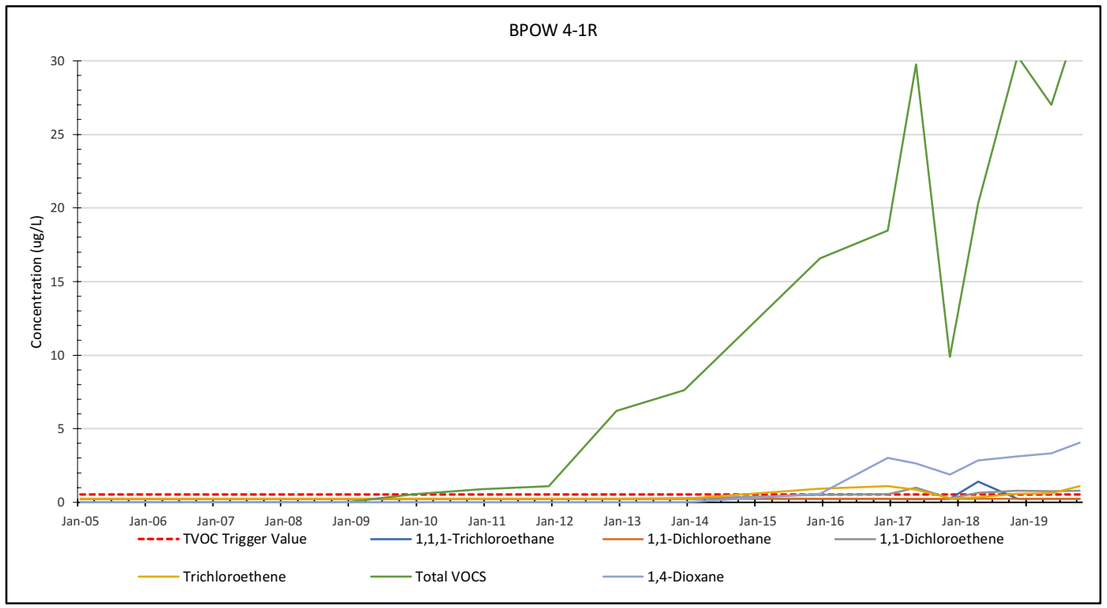
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	INCREASING	INCREASING	INCREASING	INCREASING
Trend ≥ 90% Confidence Level	No Trend	No Trend	INCREASING	INCREASING	INCREASING	INCREASING

Stability Test, If No Trend Exists at 80% Confidence Level	CV <= 1 STABLE	CV <= 1 STABLE	NA	NA	NA	NA

Data Entry By = LEM | **Date =** 7/28/2020

Well Name: BPOW 4-1R
Date Install: 2005
Screened Interval: 652-692 ft bgs
Total Well Depth: 697 ft bgs
TVOC Trigger Value: 0.54 µg/L
Sample Interval: Quarterly - Semi-Annual
Purpose: Provide early warning of potential contaminant plume migration into the Levittown Water District (LWD) well 13, N-05303 [620-736].
Municipal Well Field Monitored: Levittown Water District Well 13



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005-2016 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells	**Well Number =** BPOW 4-2R

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	1/6/2005	0.25	0.25	0.25	0.25	0	
2	12/1/2005	0.25	0.25	0.25	0.25	0	
3	12/1/2006	0.25	0.25	0.25	0.25	0	
4	12/1/2007	0.25	0.25	0.25	0.25	0	
5	12/01/2008	0.25	0.25	0.25	0.25	0	
6	12/1/2009	0.25	0.25	0.25	0.25	0	
7	12/1/2010	0.25	0.25	0.25	0.25	0.45	
8	12/1/2011	0.25	0.25	0.25	0.25	0.67	
9	12/1/2012	0.25	0.25	0.25	0.25	1.75	
10	12/1/2013	0.25	0.25	0.25	0.3	2.4	
11	12/1/2015	0.25	0.25	0.52	1.6	15.6	0.46
12	12/1/2016	0.25	0.25	0.27	1.9	15.6	1.8
13	6/20/2017	0.25	0.25	0.25	0.6	3.1	0.425
14	11/7/2017	0.25	0.25	0.25	0.92	7	0.515
15	4/19/2018	0.25	0.25	0.33	1.2	11	0.741
16	11/16/2018	0.25	0.25	0.49	2	19	1.47
17	5/28/2019	0.25	0.25	0.39	0.96	8.1	0.05
18	10/24/2019	0.25	0.25	0.51	2.2	22	2.14

Mann Kendall Statistic (S) =	0.0	0.0	67.0	97.0	117.0	6.0
Number of Rounds (n) =	18	18	18	18	18	8
Average =	0.25	0.25	0.31	0.77	5.93	0.95
Standard Deviation =	0.000	0.000	0.099	0.705	7.492	0.753
Coefficient of Variation(CV)=	0.000	0.000	0.325	0.911	1.264	0.792

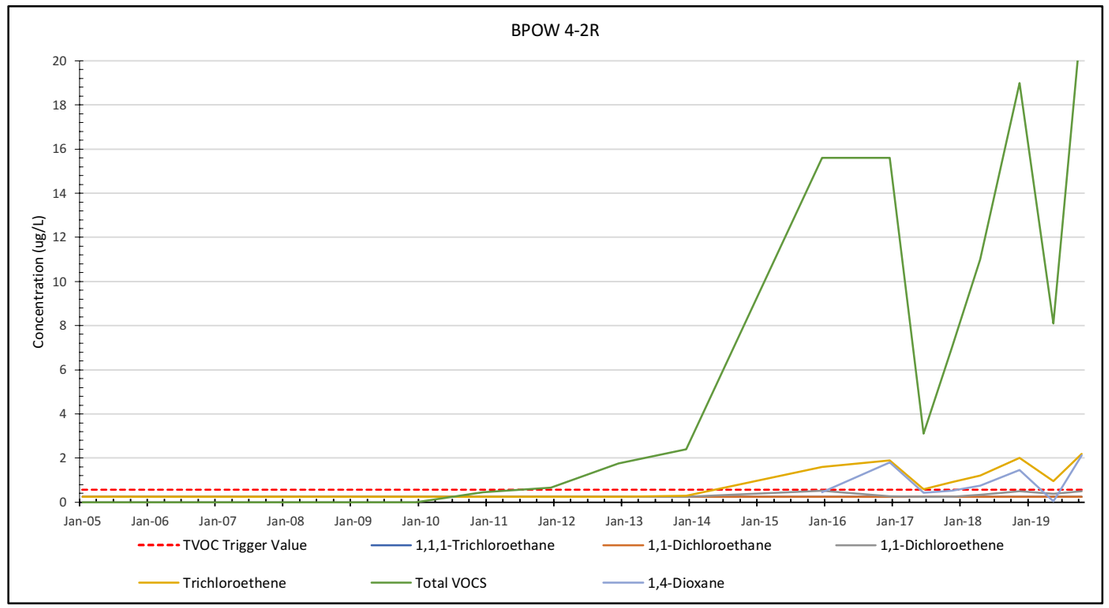
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	**INCREASING**	**INCREASING**	**INCREASING**	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	NA	NA	NA	**CV <= 1 STABLE**

Data Entry By =	LEM	**Date =**	7/29/2020

Well Name: BPOW 4-2R
Date Install: 2005
Screened Interval: 725-765 ft bgs
Total Well Depth: 770 ft bgs
TVOC Trigger Value: 0.57 µg/L
Sample Interval: Quarterly - Semi-Annual
Purpose: Provide early warning of potential contaminant plume migration into the Levittown Water District (LWD) well 13, N-05303 [620-736].
Municipal Well Field Monitored: Levittown Water District Well 13



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples from 2005-2016 reported as annual max
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-1

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->	Concentration (ug/L)					
1	8/31/2015	0.25	0.25	0.25	0.25	0	0.05
2	11/12/2015	0.25	0.25	0.25	0.25	0	0.05
3	3/1/2016	0.25	0.25	0.25	0.25	0	0.05
4	6/9/2016	0.25	0.25	0.25	0.25	0	0.05
5	08/17/2016	0.25	0.25	0.25	0.25	0	0.05
6	11/2/2016	0.25	0.25	0.25	0.25	0	0.05
7	02/24/2017	0.25	0.25	0.25	0.25	0	0.05
8	5/17/2017	0.25	0.25	0.25	0.25	0	0.05
9	09/13/2017	0.25	0.25	0.25	0.25	0	0.05
10	12/27/2017	0.25	0.25	0.25	0.25	0	0.05
11	2/21/2018	0.25	0.25	0.25	0.25	0	0.114
12	5/7/2018	0.25	0.25	0.25	0.25	0	0.102
13	9/13/2018	0.25	0.25	0.25	0.25	0	0.104
14	11/28/2018	0.25	0.25	0.25	0.25	0	0.121
15	2/25/2019	0.25	0.25	0.25	0.25	0	0.15
16	6/14/2019	0.25	0.25	0.25	0.25	0	0.05
17	3/9/2020	0.25	0.25	0.25	0.25	0	0.593
18							

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	67.0
Number of Rounds (n) =	17	17	17	17	17	17
Average =	0.25	0.25	0.25	0.25	0.00	0.10
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.131
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	1.282

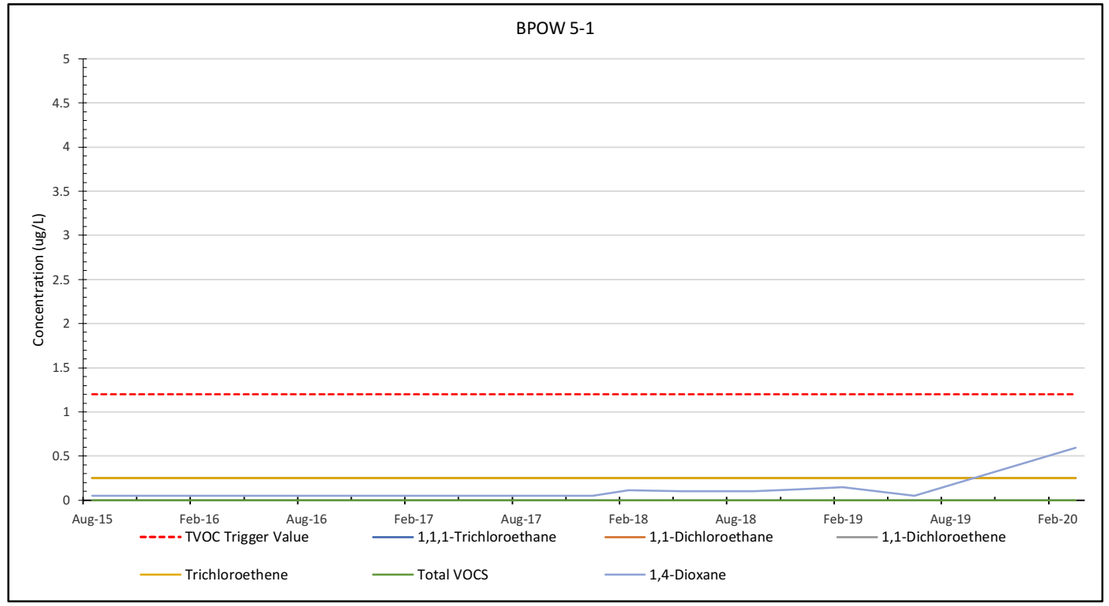
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW 5-1
Date Install: 2015
Screened Interval: 480-510 ft bgs
Total Well Depth: 515 ft bgs
TVOC Trigger Value: 1.2 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-2

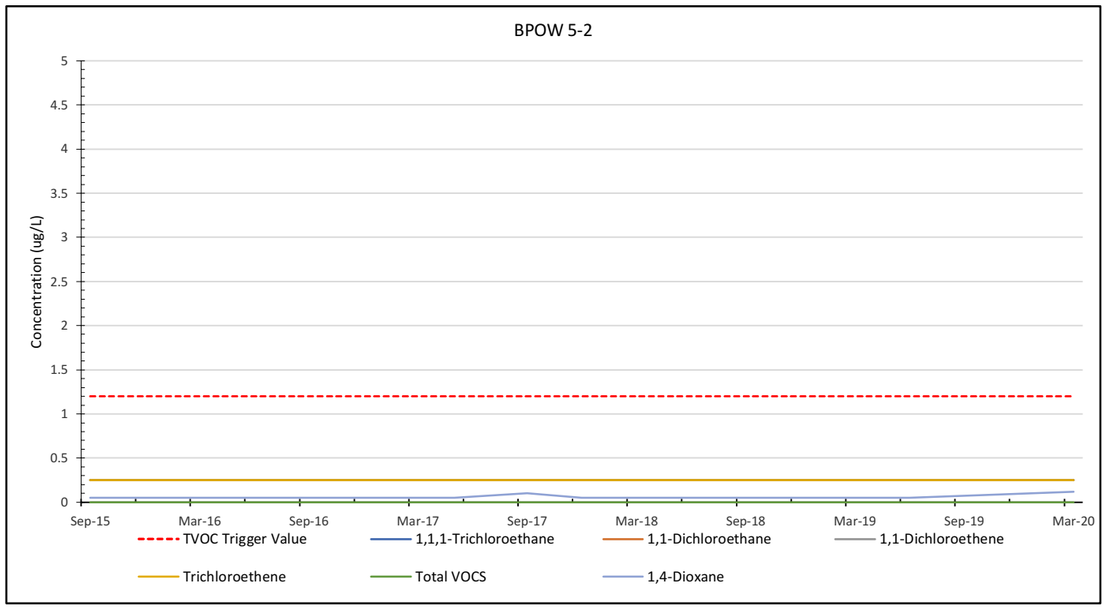
Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	9/1/2015	0.25	0.25	0.25	0.25	0	0.05
2	11/12/2015	0.25	0.25	0.25	0.25	0	0.05
3	3/1/2016	0.25	0.25	0.25	0.25	0	0.05
4	6/9/2016	0.25	0.25	0.25	0.25	0	0.05
5	08/17/2016	0.25	0.25	0.25	0.25	0	0.05
6	11/2/2016	0.25	0.25	0.25	0.25	0	0.05
7	02/24/2017	0.25	0.25	0.25	0.25	0	0.05
8	5/17/2017	0.25	0.25	0.25	0.25	0	0.05
9	09/7/2017	0.25	0.25	0.25	0.25	0	0.102
10	12/27/2017	0.25	0.25	0.25	0.25	0	0.05
11	2/21/2018	0.25	0.25	0.25	0.25	0	0.05
12	5/7/2018	0.25	0.25	0.25	0.25	0	0.05
13	9/14/2018	0.25	0.25	0.25	0.25	0	0.05
14	11/28/2018	0.25	0.25	0.25	0.25	0	0.05
15	2/21/2019	0.25	0.25	0.25	0.25	0	0.05
16	6/14/2019	0.25	0.25	0.25	0.25	0	0.05
17	3/9/2020	0.25	0.25	0.25	0.25	0	0.121
18							

Mann Kendall Statistic (S) =		0.0	0.0	0.0	0.0	0.0	17.0
Number of Rounds (n) =		17	17	17	17	17	17
Average =		0.25	0.25	0.25	0.25	0.00	0.06
Standard Deviation =		0.000	0.000	0.000	0.000	0.000	0.021
Coefficient of Variation(CV)=		0.000	0.000	0.000	0.000	#DIV/0!	0.362
Error Check, Blank if No Errors Detected							
Trend ≥ 80% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level		**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	**CV <= 1 STABLE**

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW 5-2
Date Install: 2015
Screened Interval: 540-580 ft bgs
Total Well Depth: 585 ft bgs
TVOC Trigger Value: 1.2 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.

.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-3

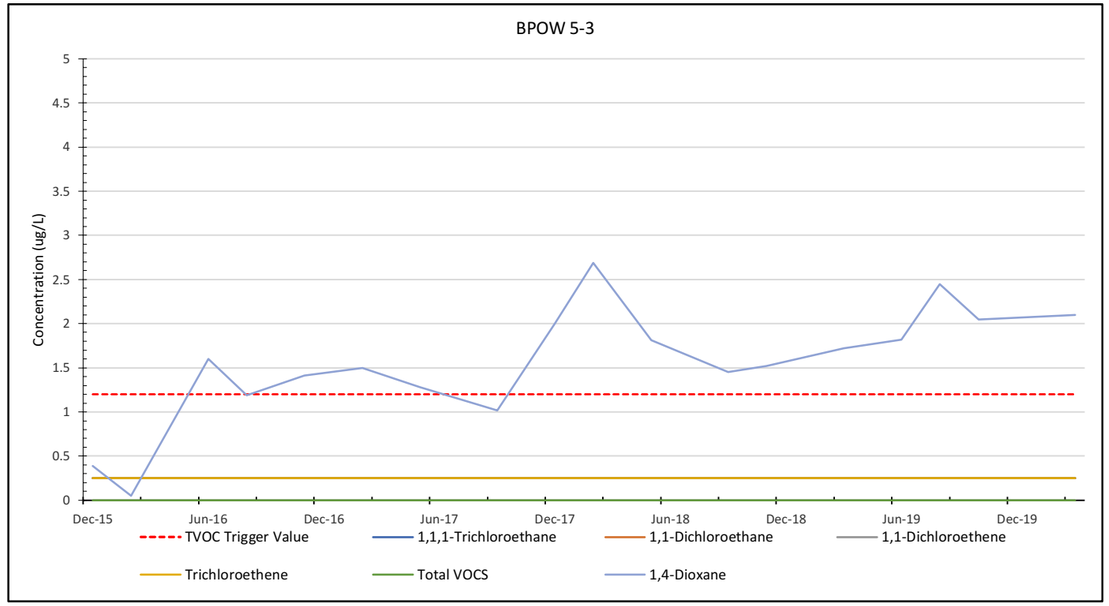
Compound ->	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
Event Number / Sampling Date (most recent last)	Concentration (ug/L)					
1 12/3/2015	0.25	0.25	0.25	0.25	0	0.39
2 2/26/2016	0.25	0.25	0.25	0.25	0	0.05
3 6/27/2016	0.25	0.25	0.25	0.25	0	1.6
4 8/17/2016	0.25	0.25	0.25	0.25	0	1.19
5 11/02/2016	0.25	0.25	0.25	0.25	0	1.41
6 2/27/2017	0.25	0.25	0.25	0.25	0	1.5
7 05/15/2017	0.25	0.25	0.25	0.25	0	1.28
8 9/17/2017	0.25	0.25	0.25	0.25	0	1.02
9 12/27/2017	0.25	0.25	0.25	0.25	0	2
10 2/21/2018	0.25	0.25	0.25	0.25	0	2.69
11 5/7/2018	0.25	0.25	0.25	0.25	0	1.81
12 9/13/2018	0.25	0.25	0.25	0.25	0	1.45
13 11/28/2018	0.25	0.25	0.25	0.25	0	1.52
14 3/7/2019	0.25	0.25	0.25	0.25	0	1.72
15 6/24/2019	0.25	0.25	0.25	0.25	0	1.82
16 8/16/2019	0.25	0.25	0.25	0.25	0	2.45
17 10/31/2019	0.25	0.25	0.25	0.25	0	2.05
18 3/9/2020	0.25	0.25	0.25	0.25	0	2.1
Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	87.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.00	1.56
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.648
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.416

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW 5-3
Date Install: 2015
Screened Interval: 620-660 ft bgs
Total Well Depth: 665 ft bgs
TVOC Trigger Value: 1.2 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-4

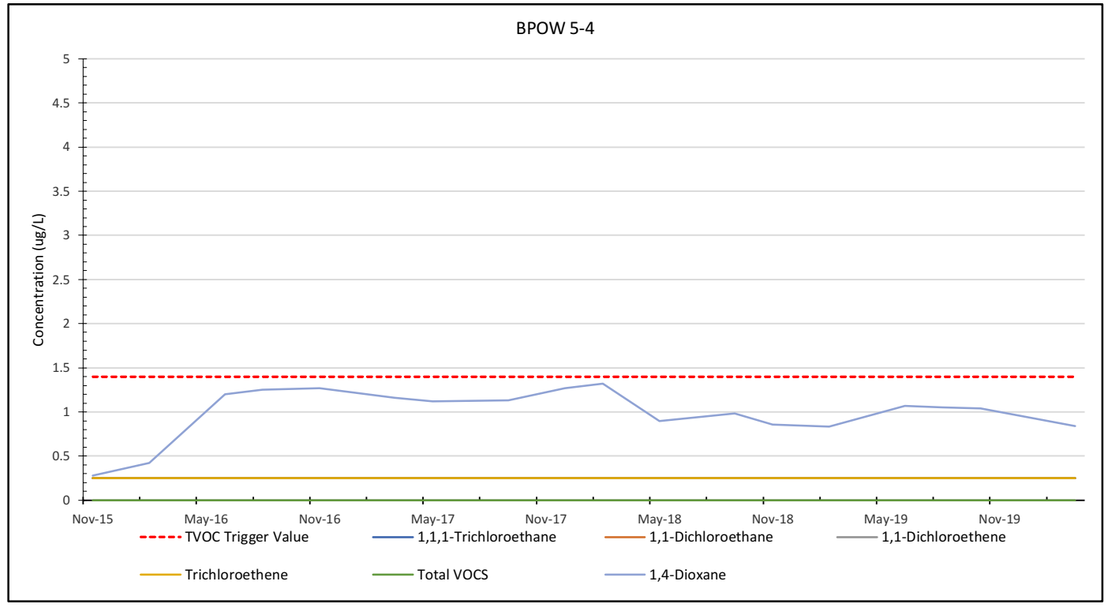
Compound ->	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
Event Number / Sampling Date (most recent last)	Concentration (ug/L)					
1 — 11/16/2015	0.25	0.25	0.25	0.25	0	0.28
2 — 2/26/2016	0.25	0.25	0.25	0.25	0	0.42
3 — 6/10/2016	0.25	0.25	0.25	0.25	0	1.2
4 — 8/19/2016	0.25	0.25	0.25	0.25	0	1.25
5 — 11/03/2016	0.25	0.25	0.25	0.25	0	1.27
6 — 3/8/2017	0.25	0.25	0.25	0.25	0	1.16
7 — 05/12/2017	0.25	0.25	0.25	0.25	0	1.12
8 — 9/1/2017	0.25	0.25	0.25	0.25	0	1.13
9 — 12/20/2017	0.25	0.25	0.25	0.25	0	1.27
10 — 2/22/2018	0.25	0.25	0.25	0.25	0	1.32
11 — 5/3/2018	0.25	0.25	0.25	0.25	0	0.897
12 — 9/4/2018	0.25	0.25	0.25	0.25	0	0.985
13 — 11/27/2018	0.25	0.25	0.25	0.25	0	0.858
14 — 2/26/2019	0.25	0.25	0.25	0.25	0	0.837
15 — 6/11/2019	0.25	0.25	0.25	0.25	0	1.07
16 — 8/15/2019	0.25	0.25	0.25	0.25	0	1.05
17 — 10/28/2019	0.25	0.25	0.25	0.25	0	1.04
18 — 3/11/2020	0.25	0.25	0.25	0.25	0	0.841
Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	-26.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.00	1.00
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.282
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.282

Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**DECREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW 5-4
Date Install: 2016
Screened Interval: 545-570 ft bgs
Total Well Depth: 575 ft bgs
TVOC Trigger Value: 1.4 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-5

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->	Concentration (ug/L)					
1	11/13/2015	0.25	0.25	0.25	0.25	0	0.42
2	2/17/2016	0.25	0.25	0.25	0.25	0	0.42
3	6/2/2016	0.25	0.25	0.25	0.25	0	1.2
4	8/15/2016	0.25	0.25	0.25	0.25	0	1.25
5	11/01/2016	0.25	0.25	0.25	0.25	0	1.48
6	2/23/2017	0.25	0.25	0.25	0.25	0	1.13
7	05/11/2017	0.25	0.25	0.25	0.25	0	1.34
8	9/5/2017	0.25	0.25	0.25	0.25	0	1.5
9	12/11/2017	0.25	0.25	0.25	0.25	0	1.41
10	2/20/2018	0.25	0.25	0.25	0.25	0	1.32
11	5/4/2018	0.25	0.25	0.25	0.25	0	1.46
12	9/12/2018	0.25	0.25	0.25	0.25	0	1.65
13	11/26/2018	0.25	0.25	0.25	0.25	0	1.4
14	3/8/2019	0.25	0.25	0.25	0.25	0	1.56
15	6/10/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/13/2019	0.25	0.25	0.25	0.25	0	1.76
17	10/29/2019	0.25	0.25	0.25	0.25	0	1.6
18	3/10/2020	0.25	0.25	0.25	0.25	0	1.29

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	62.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.00	1.24
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.466
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.377

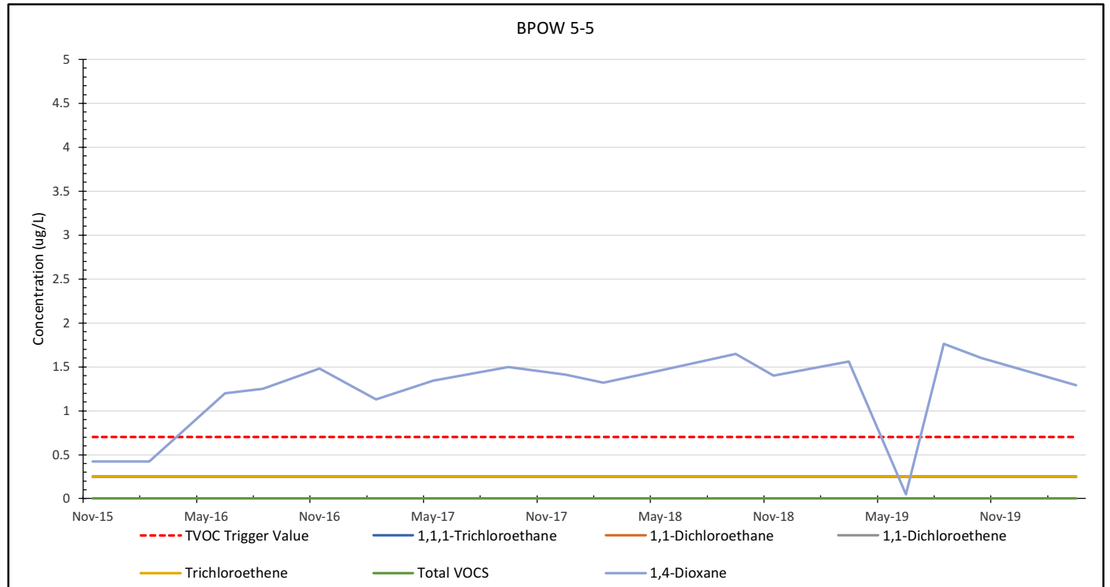
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = JWBC | **Date =** 5/29/2019

Well Name: BPOW 5-5
Date Install: 2016
Screened Interval: 515-540 ft bgs
Total Well Depth: 545 ft bgs
TVOC Trigger Value: 0.7 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-6

Compound ->	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
Event Number	Sampling Date (most recent last)	Concentration (ug/L)					
1	11/13/2015	0.25	0.25	0.25	0.25	0.15	0.05
2	2/17/2016	0.25	0.25	0.25	0.25	0	0.05
3	6/9/2016	0.25	0.25	0.25	0.25	0	0.05
4	8/15/2016	0.25	0.25	0.25	0.25	0	0.127
5	12/01/2016	0.25	0.25	0.25	0.25	0	0.174
6	2/23/2017	0.25	0.25	0.25	0.25	0	0.111
7	05/11/2017	0.25	0.25	0.25	0.25	0	0.129
8	9/5/2017	0.25	0.25	0.25	0.25	0	0.162
9	12/11/2017	0.25	0.25	0.25	0.25	0	0.118
10	2/20/2018	0.25	0.25	0.25	0.25	0	0.05
11	5/4/2018	0.25	0.25	0.25	0.25	0	0.206
12	9/12/2018	0.25	0.25	0.25	0.25	0	0.263
13	11/26/2018	0.25	0.25	0.25	0.25	0	0.311
14	2/27/2019	0.25	0.25	0.25	0.25	0	0.243
15	6/19/2019	0.25	0.25	0.25	0.25	0	0.349
16	8/13/2019	0.25	0.25	0.25	0.25	0	0.307
17	10/29/2019	0.25	0.25	0.25	0.25	0	0.458
18	3/10/2020	0.25	0.25	0.25	0.25	0	0.779

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	-17.0	111.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.01	0.22
Standard Deviation =	0.000	0.000	0.000	0.000	0.035	0.182
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	4.243	0.833

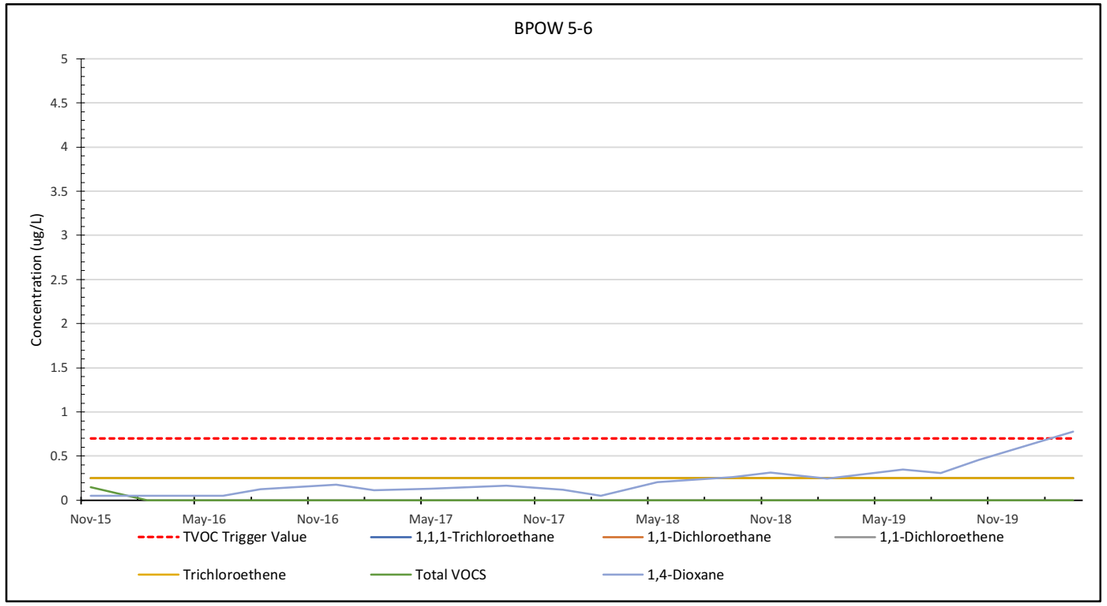
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV > 1 NON-STABLE**	NA

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW 5-6
Date Install: 2015
Screened Interval: 585-610 ft bgs
Total Well Depth: 615 ft bgs
TVOC Trigger Value: 0.7 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW 5-7

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	11/20/2015	0.25	0.25	0.25	0.25	0.49	0.05
2	2/18/2016	0.25	0.25	0.25	0.25	0.13	0.13
3	6/13/2016	0.25	0.25	0.25	0.25	0.11	0.08
4	8/16/2016	0.25	0.25	0.25	0.25	0	0.05
5	11/09/2016	0.25	0.25	0.25	0.25	0.089	0.05
6	2/28/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/16/2017	0.25	0.25	0.25	0.25	0	0.05
8	9/6/2017	0.25	0.25	0.25	0.25	0	0.05
9	12/18/2017	0.25	0.25	0.25	0.25	0	0.05
10	2/23/2018	0.25	0.25	0.25	0.25	0	0.05
11	5/2/2018	0.25	0.25	0.25	0.25	0	0.12
12	9/5/2018	0.25	0.25	0.25	0.25	0	0.05
13	11/29/2018	0.25	0.25	0.25	0.25	0	0.05
14	3/5/2019	0.25	0.25	0.25	0.25	0	0.05
15	6/20/2019	0.25	0.25	0.25	0.25	0.13	0.221
16	8/14/2019	0.25	0.25	0.25	0.25	0	0.05
17	10/28/2019	0.25	0.25	0.25	0.25	0	0.05
18	3/11/2020	0.25	0.25	0.25	0.25	0	0.05

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	-48.0	-12.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.05	0.07
Standard Deviation =	0.000	0.000	0.000	0.000	0.120	0.045
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	2.272	0.649

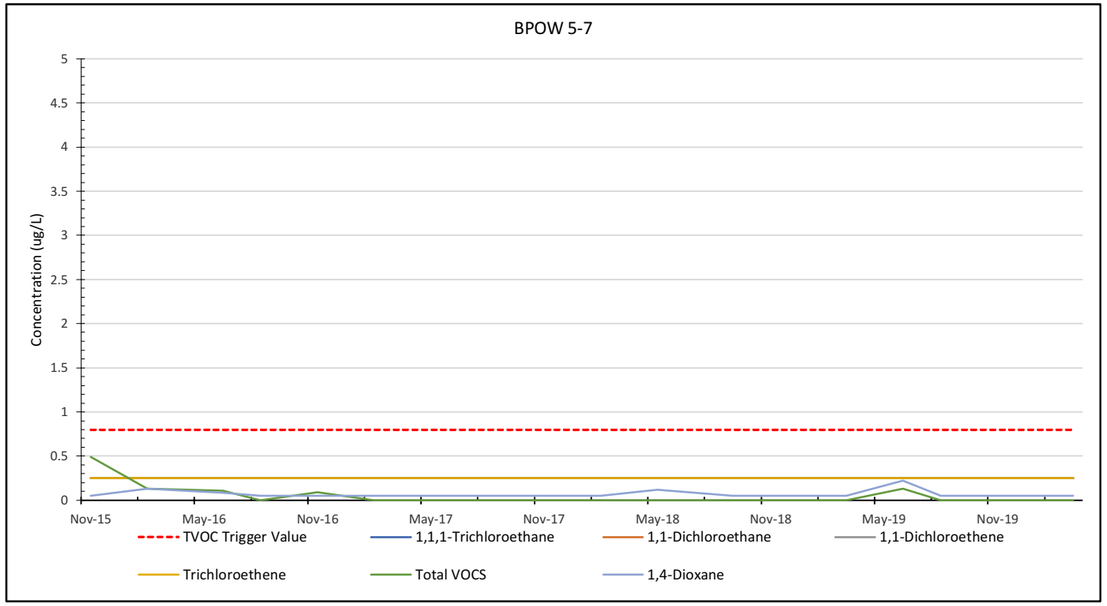
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	**DECREASING**	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	**DECREASING**	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	NA	**CV <= 1 STABLE**

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW 5-7
Date Install: 2015
Screened Interval: 525-550 ft bgs
Total Well Depth: 555 ft bgs
TVOC Trigger Value: 0.8 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into South Farmingdale Water District (SFWD) Plant 6, Wells N-8664 and N-8665
Municipal Well Field Monitored: Upgradient of SFWD Plant 6.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW6-1

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->	Concentration (ug/L)					
1	11/30/2015	0.25	0.25	0.25	0.25	0	0.05
2	2/22/2016	0.25	0.25	0.25	0.25	0	0.05
3	6/3/2016	0.25	0.25	0.25	0.25	0	0.05
4	8/22/2016	0.25	0.25	0.25	0.25	0	0.05
5	12/01/2016	0.25	0.25	0.25	0.25	0	0.05
6	3/6/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/22/2017	0.25	0.25	0.25	0.25	0	0.05
8	9/11/2017	0.25	0.25	0.25	0.25	0	0.05
9	12/12/2017	0.25	0.25	0.25	0.25	0	0.05
10	3/5/2018	0.25	0.25	0.25	0.25	0	0.119
11	5/10/2018	0.25	0.25	0.25	0.25	0	0.131
12	9/11/2018	0.25	0.25	0.25	0.25	0	0.05
13	11/26/2018	0.25	0.25	0.25	0.25	0	0.118
14	2/15/2019	0.25	0.25	0.25	0.25	0	0.141
15	6/5/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/19/2019	0.25	0.25	0.25	0.25	0	0.181
17	10/31/2019	0.25	0.25	0.25	0.25	0	0.221
18	3/12/2020	0.25	0.25	0.25	0.25	0	0.222

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	82.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.00	0.09
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.062
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.667

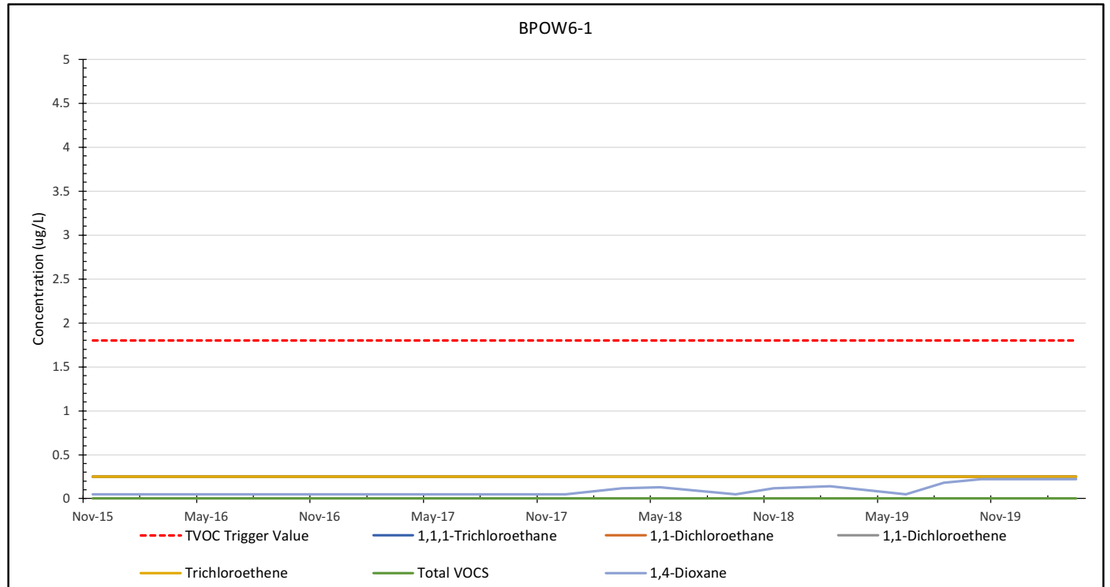
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW6-1
Date Install: September 15, 2014
Screened Interval: 550-575 ft bgs
Total Well Depth: 595 ft bgs
TVOC Trigger Value: 1.8 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) wells MWD-6442 [524-612], Well 4, and MWD-6443 [770-850], Well 5.
Municipal Well Field Monitored: Upgradient of Massapequa Water District (MWD) Wells 4 and 5.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW6-2

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	11/30/2015	0.25	0.25	0.25	0.25	0	0.05
2	2/22/2016	0.25	0.25	0.25	0.25	0	0.05
3	6/3/2016	0.25	0.25	0.25	0.25	0	0.05
4	8/22/2016	0.25	0.25	0.25	0.25	0.11	0.05
5	11/07/2016	0.25	0.25	0.25	0.25	0	0.05
6	3/6/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/22/2017	0.25	0.25	0.25	0.25	0	0.05
8	9/11/2017	0.25	0.25	0.25	0.25	0	0.05
9	12/12/2017	0.25	0.25	0.25	0.25	0	0.05
10	3/5/2018	0.25	0.25	0.25	0.25	0	0.05
11	5/7/2018	0.25	0.25	0.25	0.25	0	0.05
12	9/11/2018	0.25	0.25	0.25	0.25	0	0.05
13	11/26/2018	0.25	0.25	0.25	0.25	0	0.05
14	2/15/2019	0.25	0.25	0.25	0.25	0	0.05
15	6/5/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/19/2019	0.25	0.25	0.25	0.25	0	0.05
17	10/31/2019	0.25	0.25	0.25	0.25	0	0.05
18	3/12/2020	0.25	0.25	0.25	0.25	0	0.05

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	-11.0	0.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.01	0.05
Standard Deviation =	0.000	0.000	0.000	0.000	0.026	0.000
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	4.243	0.000

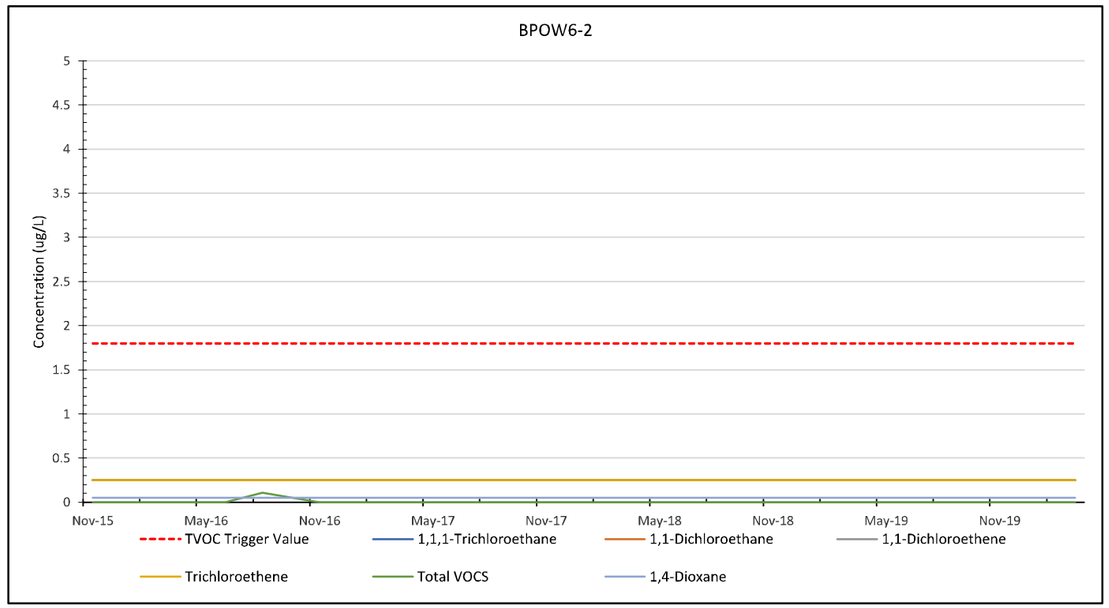
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	CV > 1 NON-STABLE	CV <= 1 STABLE

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW6-2
Date Install: August 18, 2014
Screened Interval: 755-580 ft bgs
Total Well Depth: 798 ft bgs
TVOC Trigger Value: 1.8 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) wells MWD-6442 [524-612], Well 4, and MWD-6443 [770-850], Well 5.
Municipal Well Field Monitored: Upgradient of Massapequa Water District (MWD) Wells 4 and 5.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

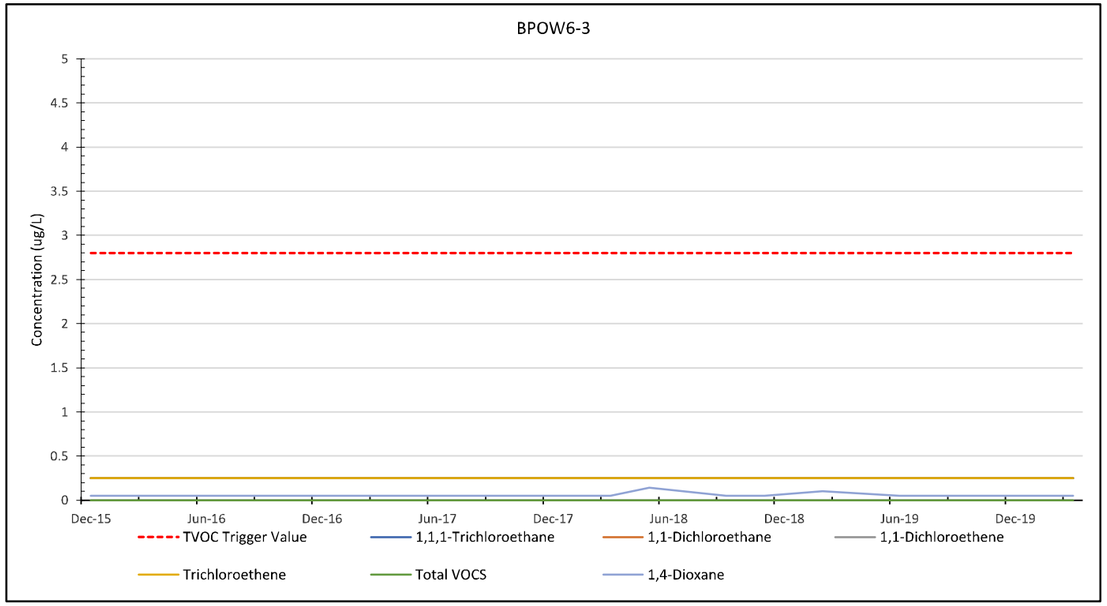
Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW6-3

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
		Concentration (ug/L)					
1	12/1/2015	0.25	0.25	0.25	0.25	0	0.05
2	2/24/2016	0.25	0.25	0.25	0.25	0	0.05
3	6/7/2016	0.25	0.25	0.25	0.25	0	0.05
4	8/31/2016	0.25	0.25	0.25	0.25	0	0.05
5	11/10/2016	0.25	0.25	0.25	0.25	0	0.05
6	3/6/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/23/2017	0.25	0.25	0.25	0.25	0	0.05
8	9/11/2017	0.25	0.25	0.25	0.25	0	0.05
9	12/14/2017	0.25	0.25	0.25	0.25	0	0.05
10	3/6/2018	0.25	0.25	0.25	0.25	0	0.05
11	5/8/2018	0.25	0.25	0.25	0.25	0	0.143
12	9/11/2018	0.25	0.25	0.25	0.25	0	0.05
13	11/30/2018	0.25	0.25	0.25	0.25	0	0.05
14	2/20/2019	0.25	0.25	0.25	0.25	0	0.1
15	6/6/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/21/2019	0.25	0.25	0.25	0.25	0	0.05
17	10/30/2019	0.25	0.25	0.25	0.25	0	0.05
18	3/13/2020	0.25	0.25	0.25	0.25	0	0.05

Mann Kendall Statistic (S) =		0.0	0.0	0.0	0.0	0.0	11.0
Number of Rounds (n) =		18	18	18	18	18	18
Average =		0.25	0.25	0.25	0.25	0.00	0.06
Standard Deviation =		0.000	0.000	0.000	0.000	0.000	0.024
Coefficient of Variation(CV)=		0.000	0.000	0.000	0.000	#DIV/0!	0.419
Error Check, Blank if No Errors Detected							
Trend ≥ 80% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level		**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	**CV <= 1 STABLE**

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW6-3
Date Install: November 25, 2014
Screened Interval: 750-775 ft bgs
Total Well Depth: 795 ft bgs
TVOC Trigger Value: 2.8 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) wells MWD-6442 [524-612], Well 4, and MWD-6443 [770-850], Well 5.
Municipal Well Field Monitored: Upgradient of Massapequa Water District (MWD) Wells 4 and 5.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW6-4

Event Number	Sampling Date (most recent last)	Compound -> 1,1,1-Trichloroethane (Concentration (ug/L))	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
1	12/1/2015	0.25	0.25	0.25	0.25	0	0.05
2	2/24/2016	0.25	0.25	0.25	0.25	0	0.05
3	6/7/2016	0.25	0.25	0.25	0.25	0	0.09
4	8/24/2016	0.25	0.25	0.25	0.25	0	0.05
5	11/10/2016	0.25	0.25	0.25	0.25	0	0.103
6	3/6/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/23/2017	0.25	0.25	0.25	0.25	0	0.104
8	9/11/2017	0.25	0.25	0.25	0.25	0	0.119
9	12/14/2017	0.25	0.25	0.25	0.25	0	0.141
10	3/8/2018	0.25	0.25	0.25	0.25	0	0.139
11	5/8/2018	0.25	0.25	0.25	0.25	0	0.05
12	9/11/2018	0.25	0.25	0.25	0.25	0	0.161
13	11/30/2018	0.25	0.25	0.25	0.25	0	0.217
14	3/8/2019	0.25	0.25	0.25	0.25	0	0.198
15	6/6/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/21/2019	0.25	0.25	0.25	0.25	0	0.276
17	10/30/2019	0.25	0.25	0.25	0.25	0	0.323
18	3/13/2020	0.25	0.25	0.25	0.25	0	0.263

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	94.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.00	0.14
Standard Deviation =	0.000	0.000	0.000	0.000	0.000	0.088
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	#DIV/0!	0.648

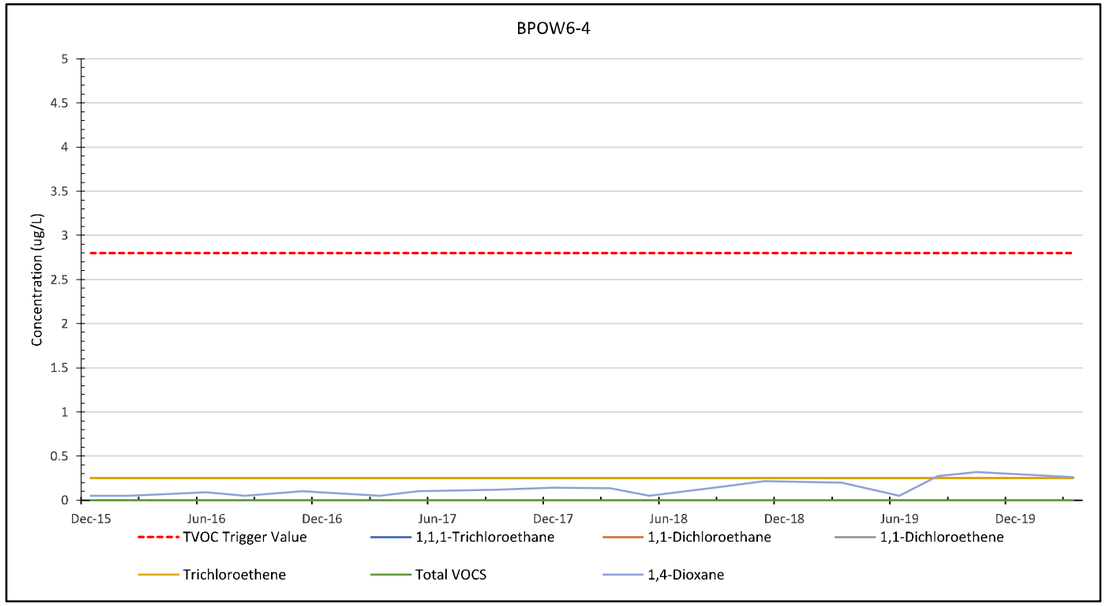
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	**INCREASING**

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	#DIV/0! #DIV/0!	NA

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW6-4
Date Install: December 16, 2014
Screened Interval: 545-570 ft bgs
Total Well Depth: 590 ft bgs
TVOC Trigger Value: 2.8 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) wells MWD-6442 [524-612], Well 4, and MWD-6443 [770-850], Well 5.
Municipal Well Field Monitored: Upgradient of Massapequa Water District (MWD) Wells 4 and 5.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW6-5

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane
	Compound ->						
		Concentration (ug/L)					
1	12/5/2015	0.25	0.25	0.25	0.25	0.89	0.05
2	2/24/2016	0.25	0.25	0.25	0.25	1	0.05
3	6/8/2016	0.25	0.25	0.25	0.25	0.27	0.05
4	8/23/2016	0.25	0.25	0.25	0.25	0	0.05
5	11/08/2016	0.25	0.25	0.25	0.25	0	0.05
6	3/7/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/25/2017	0.25	0.25	0.25	0.25	0	0.05
8	9/8/2017	0.25	0.25	0.25	0.25	0	0.05
9	12/18/2017	0.25	0.25	0.25	0.25	0	0.05
10	3/8/2018	0.25	0.25	0.25	0.25	0	0.05
11	5/9/2018	0.25	0.25	0.25	0.25	0	0.05
12	9/10/2018	0.25	0.25	0.25	0.25	0	0.05
13	11/27/2018	0.25	0.25	0.25	0.25	0	0.05
14	2/19/2019	0.25	0.25	0.25	0.25	0	0.1
15	6/7/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/20/2019	0.25	0.25	0.25	0.25	0	0.05
17	10/30/2019	0.25	0.25	0.25	0.25	0	0.05
18	3/16/2020	0.25	0.25	0.25	0.25	0	0.05

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	-46.0	9.0
Number of Rounds (n) =	18	18	18	18	18	18
Average =	0.25	0.25	0.25	0.25	0.12	0.05
Standard Deviation =	0.000	0.000	0.000	0.000	0.307	0.012
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	2.561	0.223

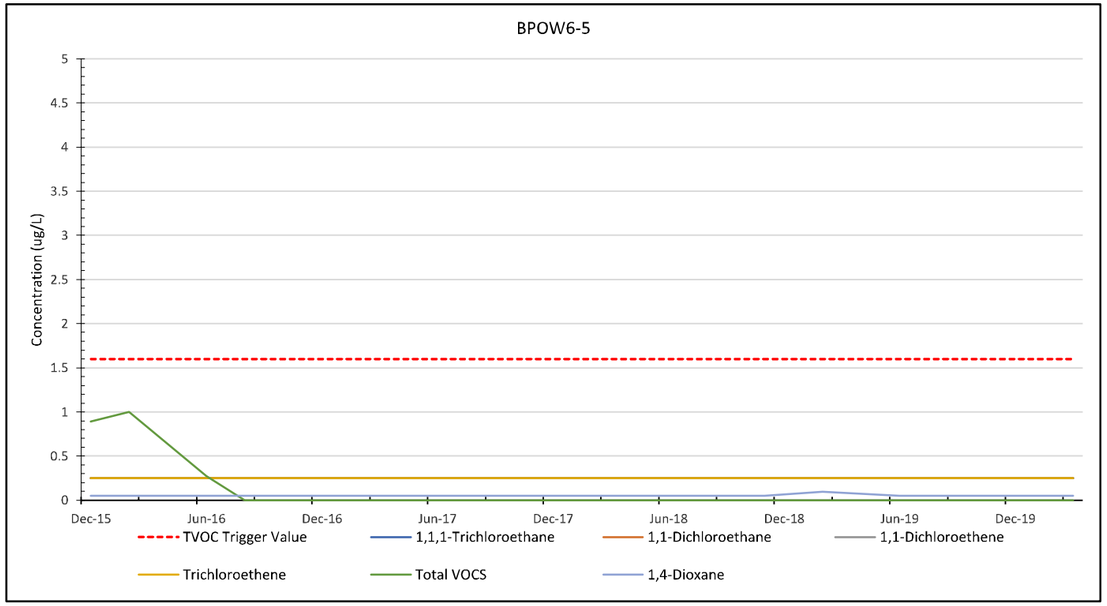
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	**DECREASING**	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	**DECREASING**	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	NA	**CV <= 1 STABLE**

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW6-5
Date Install: May 8 2015
Screened Interval: 525-550 ft bgs
Total Well Depth: 567 ft bgs
TVOC Trigger Value: 1.6 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) wells MWD-6442 [524-612], Well 4, and MWD-6443 [770-850], Well 5.
Municipal Well Field Monitored: Upgradient of Massapequa Water District (MWD) Wells 4 and 5.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples associated with a contaminated method blank are treated as non-detect

Mann-Kendall Statistical Test

Site Name = Bethpage, Outpost Wells | **Well Number =** BPOW6-6

Event Number	Sampling Date (most recent last)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Trichloroethene	Total VOCS	1,4-Dioxane*
	Compound ->	Concentration (ug/L)					
1	12/2/2015	0.25	0.25	0.25	0.25	0.4	0.05
2	2/25/2016	0.25	0.25	0.25	0.25	0.34	0.05
3	6/8/2016	0.25	0.25	0.25	0.25	0.14	0.04
4	8/31/2016	0.25	0.25	0.25	0.25	0	0.05
5	11/08/2016	0.25	0.25	0.25	0.25	0	
6	3/7/2017	0.25	0.25	0.25	0.25	0	0.05
7	05/25/2017	0.25	0.25	0.25	0.25	0	0.05
8	9/8/2017	0.25	0.25	0.25	0.25	0	0.05
9	12/18/2017	0.25	0.25	0.25	0.25	0	0.05
10	3/8/2018	0.25	0.25	0.25	0.25	0	0.05
11	5/9/2018	0.25	0.25	0.25	0.25	0	0.05
12	9/10/2018	0.25	0.25	0.25	0.25	0	0.05
13	11/27/2018	0.25	0.25	0.25	0.25	0	0.05
14	2/26/2019	0.25	0.25	0.25	0.25	0	0.05
15	6/7/2019	0.25	0.25	0.25	0.25	0	0.05
16	8/20/2019	0.25	0.25	0.25	0.25	0	0.05
17	10/30/2019	0.25	0.25	0.25	0.25	0	0.05
18	3/16/2020	0.25	0.25	0.25	0.25	0	0.05

Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	-48.0	12.0
Number of Rounds (n) =	18	18	18	18	18	17
Average =	0.25	0.25	0.25	0.25	0.05	0.05
Standard Deviation =	0.000	0.000	0.000	0.000	0.122	0.002
Coefficient of Variation(CV)=	0.000	0.000	0.000	0.000	2.491	0.049

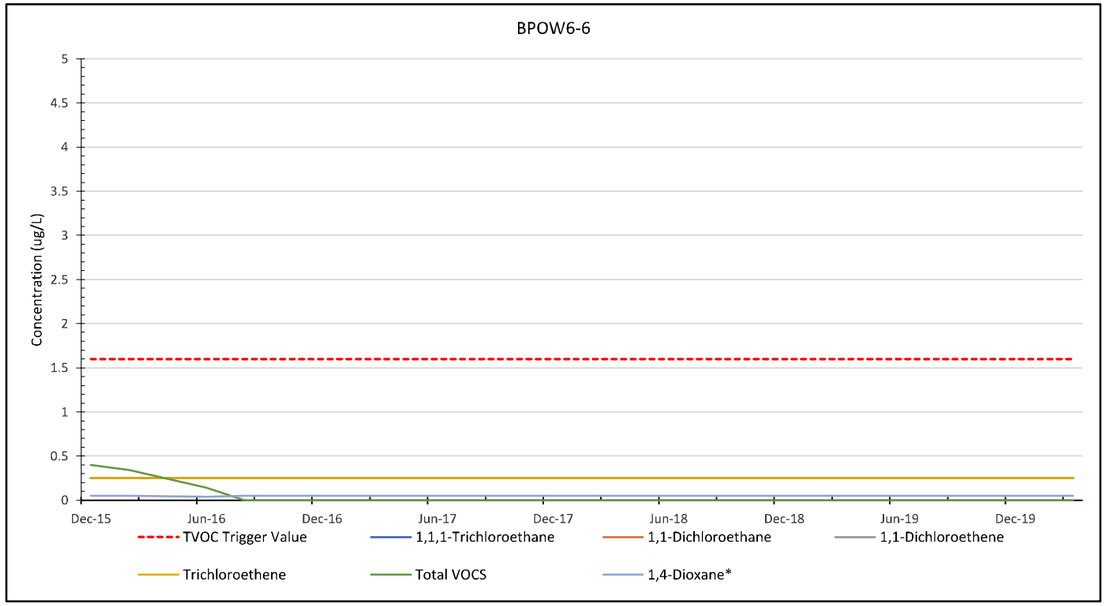
Error Check, Blank if No Errors Detected

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	**DECREASING**	No Trend
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	**DECREASING**	No Trend

Stability Test, If No Trend Exists at 80% Confidence Level	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	**CV <= 1 STABLE**	NA	**CV <= 1 STABLE**

Data Entry By = JWBC | **Date =** 6/24/2020

Well Name: BPOW6-6
Date Install: May 27, 2015
Screened Interval: 770-795 ft bgs
Total Well Depth: 812 ft bgs
TVOC Trigger Value: 1.6 µg/L
Sample Interval: Quarterly
Purpose: Provide early warning of potential contaminant plume migration into Massapequa Water District (MWD) wells MWD-6442 [524-612], Well 4, and MWD-6443 [770-850], Well 5.
Municipal Well Field Monitored: Upgradient of Massapequa Water District (MWD) Wells 4 and 5.



Duplicate values removed for analysis (due to amount of samples and lack of chronological differences)
Non detect values treated as half the stated detection limit
Samples associated with a contaminated method blank are treated as non-detect

Appendix B
Historical Data Sets per Well

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COC and 1,4-Dioxane Data for Outpost Well BPOW 1-1

	2004	2005				2006				2007				2008			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	1/4/2005	4/5/2005	6/14/2005	9/13/2005	1/17/2006	3/28/2006	7/10/2006	10/6/2006	12/1/2006	3/7/2007	6/18/2007	9/21/2007	12/10/2007	3/31/2008	6/27/2008	8/5/2008	12/18/2008
1,1,1-Trichloroethane	7.6	8.2	2.4	4.7	4.7	3.8	3.8	2.6	3.1 J	1.9	1.9	1.6	1.5	<0.50	1.7	1.1	1.8
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethane	2.3	2.1	1.1	1.6	1.5	1.4	2	1.2	1.5	1.2	1.2	0.81	0.74	1.2	0.9	0.67	1.8
1,1-Dichloroethene	5.2	4.6	1.1	2.4	2.3	1.7	2.3	1.6	1.8	1.3	1.3	1.2	1	1.2	1	<0.5	1.2
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	2.1	<0.5 U	<0.5	<0.5 U
Carbon Disulfide																	
Carbon Tetrachloride	<0.5	<0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	1.3	<0.5 U	<0.5	<0.5 U
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
Trichloroethene	3.2	2.5	0.78	2.5	2.5	2	2.3	1.6	2	1.7	1.6	1.3	1.3	<0.50	1.4	1.2	1.3
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
TVOCs	18.3	17.4	7.78	11.2	11	8.9	10.4	7	8.4	6.1	6	4.91	4.54	5.8	5	2.97	6.1
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS	24.9																
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-1

	2009				2010				2011				2012			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	03/03/2009	05/19/2009	08/06/2009	11/11/2009	1/21/2010	4/6/2010	7/20/2010	12/16/2010	02/9/2011	05/23/2011	08/5/2011	11/30/2011	2/21/2012	5/1/2010	8/20/2012	11/29/2012
1,1,1-Trichloroethane	1.9	1.8	1.1	0.81	0.91	0.57	0.27	0.31 J	0.36 J	0.54	0.4 J	0.57	0.45 J	0.32 J	0.2 J	0.23 J
1,1,2,2-Tetrachloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.74	0.61	0.42 J	0.34 J	0.31 J	0.21 J	<0.5	<0.5	<0.5	<0.5	<0.5	0.23 J	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	1	1	ND	0.48 J	0.57	<0.5	<0.5	<0.5	<0.5	0.28 J	0.24 J	0.43 J	0.28 J	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																
Carbon Tetrachloride	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	1.4	1.4	1.2	1.3	1.4	<0.5	0.86	0.89	1.1	1.2	0.94	1.1	1.1	1.1	0.95	0.9 J
Trichlorotrifluoroethane (Freon)	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TVOCs	5.04	4.81	2.72	2.93	3.19	0.78	1.13	1.2	1.46	2.02	1.58	2.33	1.83	1.42	1.15	1.13
1,4-Dioxane																
Year to Date Average Total Site-Related VOCS																
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-1

	2013				2014				2015				2016		2017		2018	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	02/6/2013	05/14/2013	08/14/2013	11/25/2013	2/11/2014	4/17/2014	8/4/2014	12/9/2014	2/4/2015	5/27/2015	8/11/2015	11/2/2015	6/28/2016	11/14/2016	6/19/2017	11/3/2017	4/13/2018	11/14/2018
1,1,1-Trichloroethane	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	ND	0.33 J	0.27 J	0.26 J	0.67	0.38 J	0.25J	0.6	0.20 J	0.44 J	0.27 J	0.23 J
1,1,2,2-Tetrachloroethane	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	0.10 J	<0.50	0.14 J	0.21 J	<1.0	<0.50	0.16 J	< 0.50	0.16 J	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	0.29 J	0.22 J	0.34 J	0.6	<1.0	0.18J	0.46 J	< 0.50	0.46 J	< 0.50	0.23 J
1,2-Dichloroethane	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide												<2.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	0.097 J	<0.50 B	0.15 J	<1.0	0.11J	0.11 J	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	0.88	0.82 J	0.86	0.9	0.9	0.86	0.84	1	1.1	0.97	1.1	1.1	1.1	1.2	1	1.1	1.3	0.87
Trichlorotrifluoroethane (Freon)	<0.5	<5.0	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5	<1.0	<1.0	<1.0	<5.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0.88	0.82	0.86	0.9	0.9	0.86	0.84	1.72	1.687	1.71	2.73	1.48	1.64	2.53	1.2	2.16	1.57	1.33
1,4-Dioxane											<0.20	<0.20	0.165 J	1.193 J	0.100 J	0.115 J	<0.200	<0.200
Year to Date Average Total Site-Related VOCS																		
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-1

	2019	
	Q2 5/29/2019	Q4 10/16/2019
1,1,1-Trichloroethane	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	0.20 J
1,2-Dichloroethane	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50
Trichloroethene	0.8	0.8
Trichlorotrifluoroethane (Freon)	< 1.0	< 1.0
TVOCs	0.8	1.0
1,4-Dioxane	<0.25B	0.130 J
Year to Date Average Total Site-Related VOCS		
TVOC Trigger Value	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-2

	2004	2005				2006				2007				2008				2009
	Q1	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	1/4/2005	4/5/2005	6/14/2005	9/13/2005	1/16/2006	3/28/2006	7/10/2006	10/6/2006	12/1/2006	3/6/2007	6/19/2007	9/21/2007	12/10/2007	3/31/2008	6/27/2008	8/5/2008	12/18/2008	03/03/2009
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
1,1-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
1,2-Dichloroethane		<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
Carbon Disulfide																		
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
Chloroform		<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	--	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
Trichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
Trichlorotrifluoroethane (Freon)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50 U	<0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																		
Year to Date Average Total Site-Related VOCS	24.9																	
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-2

				2010				2011				2012				2013	
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	05/19/2009	08/06/2009	11/11/2009	1/21/2010	4/6/2010	7/20/2010	12/16/2010	02/8/2011	05/23/2011	08/5/2011	11/30/2011	2/20/2012	5/1/2012	8/20/2012	12/5/2012	02/6/2013	05/14/2013
1,1,1-Trichloroethane	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	0.29 J	0.46 J	0.29 J	0.28 J	0.28 J	<0.5	0.38 J	0.46 J	0.26 J
1,1,2,2-Tetrachloroethane	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1,2-Trichloroethane	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1-Dichloroethane	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	0.22 J	ND	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1-Dichloroethene	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	0.22 J	0.28 J	0.2 J	<0.5	<0.5	<0.5	0.26 J	0.46 J	0.23 J
1,2-Dichloroethane	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Carbon Disulfide																	
Carbon Tetrachloride	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Chlorobenzene	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Chloroform	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
cis-1,2-Dichloroethene	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Tetrachloroethene	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
trans-1,2-Dichloroethene	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Trichloroethene	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	0.25 J	0.38 J	0.41 J	0.33 J	0.33 J	0.3 J	0.4 J	0.63	0.33 J
Trichlorotrifluoroethane (Freon)	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
TVOCs	0	0	0	0	0	0	0	0	0.76	1.3	0.9	0.61	0.61	0.3	1	1.5	0.82
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-2

			2014				2015				2016		2017		2018		2019	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	08/15/2013	11/22/2013	2/11/2014	4/17/2014	8/6/2014	12/8/2014	2/3/2015	5/27/2015	8/11/2015	11/2/2015	6/7/2016	11/18/2016	6/13/2017	11/2/2017	4/13/2018	11/14/2018	5/29/2019	10/16/2019
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	0.17 J	0.28 J	0.18 J	<0.50	<0.50	0.34J	0.27 J	0.23 J	0.22 J	0.32 J	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	0.20 J	<0.50	<0.50	<0.50	<0.50	0.13J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.23 J	0.15 J	<0.50	<0.50	0.26J	< 0.50	< 0.50	< 0.50	0.29 J	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide											< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	0.066J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	<0.5	<0.5	0.55	<0.5	<0.5	0.37 J	0.62	0.45 J	0.30 J	1.1	0.85	0.85	0.88	0.90	1.0	**0.57**	0.39 J	**0.38 J**
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	< 1.0 U	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0.55	0	0	0.74	1.1	0.78	0.3	0.2	0	0	1.1	1.1	1.6	0.57	0.39	0.38
1,4-Dioxane									<0.20	<0.20	0.160 J	0.167 J	0.204	0.115 J	0.431	<0.200	<0.200 B	<0.200
Year to Date Average Total Site-Related VOCS																		
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-3

	2004	2005				2006				2007				2008			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	1/4/2005	4/5/2005	6/14/2005	9/13/2005	1/16/2006	3/28/2006	7/10/2006	10/6/2006	12/1/2006	3/7/2007	6/18/2007	9/26/2007	12/10/2007	3/31/2008	6/27/2008	8/5/2008	12/18/2008
1,1,1-Trichloroethane	5.3	4.5	1.6	7.8	3.9	3.3	5.3	4.7	4.7 J	3.1	7	5.9	3.3	<0.50	4.1	4.2	2
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethane	1.4	0.94	0.69	1.9	0.95	0.84	1.8	1.6	1.4	1	2.4	1.8	1.1	1	1.6	1.6	2
1,1-Dichloroethene	3.2	1.9	0.64	4.1	1.9	1.6	3.3	3.2	3.1	2.5	5.3	4.3	2.7	2.1	2.9	3.1	1.9
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<0.5 U	<0.5	<0.5 U
Carbon Disulfide																	
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.72	<0.5 U	<0.5	<0.5 U
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
Chloroform	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
Trichloroethene	1.1	0.59	<0.50	1.4	0.82	0.69	1.4	1.1	0.93	0.69	1.3	1.3	0.8	<0.50	1.1	1.1	0.58
Trichlorotrifluoroethane (Freon)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5 U	<0.5	<0.5 U
TVOCs	11	7.93	2.93	15.2	7.57	6.43	11.8	10.6	10.13	7.3	16	12	7.9	6.62	9.7	10	6.48
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS	4.5																
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-3

	2009				2010				2011				2012				2013	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	03/04/2009	05/19/2009	08/06/2009	11/11/2009	1/22/2010	4/6/2010	7/20/2010	12/8/2010	02/9/2011	06/13/2011	08/5/2011	11/30/2011	2/21/2012	5/1/2012	8/21/2012	11/27/2012	02/7/2013	05/14/2013
1,1,1-Trichloroethane	1.5	2	4	2.1	3	2.2	2.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1,2-Trichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1-Dichloroethane	0.66	0.87	1.8	0.81	1.4	0.9	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,1-Dichloroethene	1	1.5	2.6	1.5	2.3	1.7	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
1,2-Dichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Carbon Disulfide																		
Carbon Tetrachloride	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Chlorobenzene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Chloroform	<0.5	<0.5 U	0.22 J	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
cis-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Tetrachloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
trans-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
Trichloroethene	0.55	0.76	1.2	0.72	0.86	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.25 J	<0.5	<5.0
Trichlorotrifluoroethane (Freon)	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
TVOCs	3.71	5.13	9.82	5.13	7.56	5.58	7.5	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																		
Year to Date Average Total Site-Related VOCS																		
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-3

			2014				2015				2016		2017		2018		2019	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	08/14/2013	11/22/2013	2/12/2014	4/17/2014	8/6/2014	11/28/2014	2/3/2015	5/21/2015	8/13/2015	11/3/2015	6/10/2016	11/17/2016	6/13/2017	11/3/2017	4/12/2018	11/14/2018	5/29/2019	10/16/2019
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide										<2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<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
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane									<0.21	<0.22	0.167 J	<0.20	0.312	0.115 J	0.516	0.179	<0.312 B	0.106 J
Year to Date Average Total Site-Related VOCS																		
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-4

	2011	2012				2013				2014				2015			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	12/1/2011	3/2/2012	5/8/2012	8/29/2012	12/202012	02/15/2013	05/16/2013	08/21/2013	12/5/2013	2/26/2014	4/16/2014	8/19/2014	12/10/2014	3/20/2015	5/27/2015	8/18/2015	12/4/2015
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Carbon Disulfide																	<2.0
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Tetrachloroethene																	<1.0
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																<0.21	<0.21
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-4

	2016		2017		2018		2019	
	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	6/21/2016	11/28/2016	6/12/2017	11/8/2017	4/14/2018	11/19/2018	6/4/2019	10/18/2019
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0
1,4-Dioxane	0.093 J	<0.20	<0.200	<0.200	0.136 J	<0.200	<0.352 B	0.104 J
Year to Date Average Total Site-Related VOCS								
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-5

	2011	2012				2013				2014				2015			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	12/1/2011	3/2/2012	5/14/2012	8/29/2012	12/20/2012	02/15/2013	05/16/2013	08/20/2013	12/5/2013	2/26/2014	4/16/2014	8/19/2014	12/11/2014	3/20/2015	5/29/2015	8/18/2015	11/3/2015
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Carbon Disulfide																	<2.0
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																<0.20	<0.22
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-5

	2016		2017		2018		2019	
	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	6/17/2016	11/28/2016	6/12/2017	11/8/2017	4/17/2018	11/19/2018	5/31/2019	10/18/2019
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0
1,4-Dioxane	0.043 J	<0.20	<0.200	<0.200	0.139 J	<0.200	<0.200 B	<0.200
Year to Date Average Total Site-Related VOCS								
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-6

	2011	2012				2013				2014				2015			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	12/2/2011	3/7/2012	5/15/2012	8/31/2012	12/21/2012	02/14/2013	05/16/2013	08/20/2013	12/5/2013	2/27/2014	4/18/2014	8/20/2014	12/11/2014	3/23/3015	6/2/2015	8/17/2015	11/5/2015
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Carbon Disulfide																	<2.0
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichlorotrifluoroethane (Freon)	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																<0.22	<0.21
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 1-6

	2016	2017		2018		2019	
	Q2	Q2	Q4	Q2	Q4	Q2	Q4
	6/17/2016	6/27/2017	11/8/2017	4/17/2018	11/19/2018	6/4/2019	10/21/2019
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0.0	0.0	0	0	0	0
1,4-Dioxane	0.0406 J	<0.200	<0.200	0.114	<0.200	<0.301 BJ	<0.200
Year to Date Average Total Site-Related VOCS							
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-1

	2004	2005				2006				2007		2010	2011			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q4	Q1	Q2	Q3	Q4
	1/3/2005	4/6/2005	6/15/2005	9/14/2005	1/17/2006	3/27/2006	7/12/2006	10/5/2006	12/1/2006	3/7/2007	6/19/2007	12/8/2010	02/10/2011	06/14/2011	08/3/2011	12/5/2011
1,1,1-Trichloroethane	0.6	0.55	0.81	0.67 J	<0.5	<0.5	0.94	<0.5	0.62 J	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	1.4	1.6	2	1.3 J	1.1	1.1	1.1	1.3	<0.50	<1	2	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.50	<1	0.53	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	2.1	2.1	3.3	1.8 J	1.7	2	2	2.3	2.2	1.9	3.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																
Carbon Tetrachloride	<0.50	<0.50	<0.5	<0.5 J	0.7	<0.5	<0.5	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.50	<0.50	0.53	<0.5 J	<0.5	<0.5	0.71	<0.5	<0.50	<1	0.59	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.9	1.1	1.2	0.98 J	0.65	0.68	1.5	0.93	0.93	<1	1.2	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	--	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	2	1.7	2.4	1.9 J	1.3	1.4	2.1	1.4	1.4	1.1	1.9	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorotrifluoroethane (Freon)	<0.50	<0.50	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.50	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TVOCs	7	7.05	10.24	6.65	5.45	5.18	10.45	5.93	5.15	4	8.52	0	0	0	0	0
1,4-Dioxane																
Year to Date Average Total Site-Related VOCS	4.6															
TVOC Trigger Value	0.6	0.6	1.5	1.5	1.5	0.6	1.5	1.5	NE	NE	NE	NE	NE	NE	NE	NE

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-1

	2012				2013				2014				2015			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	2/27/2012	5/3/2012	8/21/2012	12/10/2012	02/8/2013	05/15/2013	08/15/2013	11/25/2013	2/14/2014	4/22/2014	8/11/2014	11/28/2014	2/5/2015	5/21/2015	8/10/2015	9/28/2015
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
Carbon Disulfide																<2.0 J
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0 J
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane															0.09 J	<0.22
Year to Date Average Total Site-Related VOCS																
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-1

	2016			2017				2018				2019			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	6/10/2016	8/12/2016	10/24/2016	2/21/2017	5/10/2017	9/12/2017	10/23/2017	2/26/2018	4/11/2018	8/29/2018	11/13/2018	2/18/2019	5/30/2019	9/9/2019	10/21/2019
1,1,1-Trichloroethane	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Disulfide	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Chlorobenzene	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Chloroform	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Tetrachloroethene	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichloroethene	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<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	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	0.474 J	0.547	0.683	1.32	1.33	1.38	1.48	2.60	0.886	2.14	0.389	0.644	<0.792 BJ	1.22	0.797
Year to Date Average Total Site-Related VOCS															
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-2

	2004	2005				2006				2007		2010	2011				2013	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q4	Q1	Q2	Q3	Q4	Q3	Q4
	1/3/2005	4/6/2005	6/15/2005	9/14/2005	1/17/2006	3/27/2006	7/12/2006	10/5/2006	12/1/2006	3/7/2007	6/19/2007	12/8/2010	02/10/2011	05/26/2011	08/5/2011	12/2/2011	09/3/2013	11/26/2013
1,1,1-Trichloroethane	<0.50	<0.50	<0.50	<0.5 J	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.22 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.50	<0.50	<0.50	0.91 J	0.78	0.74	1	<0.5	0.67	0.69	0.55	0.82	0.71	0.65	0.76	0.68	<0.5	<0.5
1,1-Dichloroethene	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.32 J	0.36 J	0.29 J	0.34 J	0.36 J	<0.5	<0.5
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																		
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.22 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.66	0.7	0.55	1.4	1.2	1.1	1.4	0.57	0.77	0.69	0.59	<0.5	0.85	0.71	0.77	0.9	<0.5	<0.5
Trichlorotrifluoroethane (Freon)	<0.50	<0.50	<0.50	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TVOCs	0.66	0.7	0.55	0.91	2.62	1.84	2.4	0.57	1.44	1.38	1.14	2.26	1.92	1.7	1.9	1.9	0	0
1,4-Dioxane	0.2																	
Year to Date Average Total Site-Related VOCS																		
TVOC Trigger Value	0.6	0.6	1.5	1.5	1.5	0.6	1.5	1.5	NE	NE	NE	0.6	NE	NE	NE	NE	NE	NE

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-2

	2014				2015				2016			2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	2/18/2014	4/17/2014	8/11/2014	12/12/2014	2/6/2015	5/22/2015	8/14/2015	9/28/2015	6/2/2016	8/10/2016	11/11/2016	2/21/2017	5/10/2017	9/12/2017	10/23/2017	2/26/2018	4/11/2018	9/6/2018	11/13/2018
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide								<2.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0 J	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0 J	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane							<0.21	<0.22	0.338 J	0.346	0.397	0.333	0.326	0.293	0.313	0.510	0.447	0.430	0.374
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-2

	2019			
	Q1	Q2	Q3	Q4
	2/18/2019	5/30/2019	9/9/2019	10/21/2019
1,1,1-Trichloroethane	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50 J	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50 J	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50 J	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50 J	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50 J	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50 J	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0	0
1,4-Dioxane	0.475	< 0.536 BJ	0.738	0.641
Year to Date Average Total Site-Related VOCS				
TVOC Trigger Value	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-3

	2011	2012				2013				2014				2015			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	12/22/2011	3/1/2012	5/3/2012	8/31/2012	12/26/2012	02/20/2013	05/15/2013	08/21/2013	11/26/2013	2/12/2014	4/23/2014	8/8/2014	11/20/2014	2/6/2015	5/22/2015	8/14/2015	9/29/2015
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Carbon Disulfide																	<2.0
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichloroethene	0.56	<0.5	<0.5	<0.5	<0.5	0.48 J	0.30 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
TVOCs	0.56	0	0	0	0	0.48	0.3	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																<0.21	0.97
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

COC and 1,4-Dioxane Data for Outpost Well BPOW 2-3

	2016			2017				2018				2019			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	6/16/2016	8/30/2016	11/21/2016	2/22/2017	5/9/2017	9/20/2017	10/23/2017	2/26/2018	4/20/2018	9/6/2018	11/13/2018	2/18/2019	5/30/2019	9/12/2019	10/21/2019
1,1,1-Trichloroethane	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethene	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,2-Dichloroethane	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Disulfide	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Tetrachloride	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Chlorobenzene	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Chloroform	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Tetrachloroethene	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichloroethene	<0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<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	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	3.94	3.21	4.01	3.68	3.77	3.98	3.81	4.880	3.14	4.270	4.4	3.190	<3.57 B	3.9	3.89
Year to Date Average Total Site-Related VOCS															
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-1

	2004	2005				2006				2007				2008			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	1/5/2005	4/8/2005	6/16/2005	9/15/2005	1/18/2006	3/30/2006	7/13/2006	10/9/2006	12/8/2006	3/8/2007	6/19/2007	9/18/2007	12/11/2007	4/1/2008	6/30/2008	8/7/2008	12/23/2008
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Carbon Disulfide																	
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	0	0	1.5	1.5	1.5	0.6	0.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-1

	2009				2010				2011				2012			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	03/06/2009	05/20/2009	08/06/2009	11/9/2009	1/26/2010	4/7/2010	7/21/2010	12/16/2010	02/11/2011	05/24/2011	08/2/2011	12/5/2011	2/24/2012	5/15/2012	8/23/2012	12/5/2012
1,1,1-Trichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																
Carbon Tetrachloride	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorotrifluoroethane (Freon)	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																
Year to Date Average Total Site-Related VOCS																
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-1

	2013				2014				2015				2016	2017	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q2	Q4
	02/7/2013	05/20/2013	08/16/2013	12/3/2013	2/19/2014	4/15/2014	8/8/2014	12/11/2014	2/4/2015	5/29/2015	8/12/2015	11/6/2015	6/21/2016	7/6/2017	11/6/2017
1,1,1-Trichloroethane	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1-Dichloroethane	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<5.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,2-Dichloroethane	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Carbon Disulfide												<2.0	<0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Chlorobenzene	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Chloroform	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Tetrachloroethene	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Trichloroethene	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
1,4-Dioxane											0.28	0.24	0.882	0.811	0.693
Year to Date Average Total Site-Related VOCS															
TVOC Trigger Value	1.5	NE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-1

	2018		2019	
	Q2	Q4	Q2	Q4
	4/12/2018	11/15/2018	6/4/2019	10/22/2019
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50 J	< 0.50 J
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	0.20 J	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0.2	0
1,4-Dioxane	1.09	0.796	<1.14 B	0.699
Year to Date Average Total Site-Related VOCS				
TVOC Trigger Value	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-2

	2004	2005				2006				2007				2008			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	1/4/2005	4/8/2005	6/16/2005	9/15/2005	1/18/2006	3/30/2006	7/13/2006	10/9/2006	12/8/2006	3/8/2007	6/19/2007	9/20/2007	12/10/2007	4/1/2008	6/26/2008	8/7/2008	12/23/2008
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Carbon Disulfide																	
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	0.6	0.6	1.5	1.5	1.5	0.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-2

	2009				2010				2011				2012			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	03/06/2009	05/20/2009	08/05/2009	11/9/2009	1/22/2010	4/7/2010	7/21/2010	12/16/2010	02/11/2011	05/24/2011	08/1/2011	12/6/2011	2/24/2012	5/4/2012	8/23/2012	12/7/2012
1,1,1-Trichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																
Carbon Tetrachloride	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorotrifluoroethane (Freon)	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																
Year to Date Average Total Site-Related VOCS																
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-2

	2013				2014				2015				2016	2017	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q2	Q4
	02/8/2013	05/20/2013	08/16/2013	12/5/2013	2/5/2014	5/29/2014	8/18/2014	11/20/2014	2/5/2015	5/29/2015	9/17/2015	11/6/2015	6/16/2016	7/6/2017	11/14/2017
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Carbon Disulfide												<2.0	<0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<1.0	< 1.0	< 1.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
1,4-Dioxane											1.1	1.3	4.54	3.49	4.48
Year to Date Average Total Site-Related VOCS															
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.6	1.5	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-2

	2018		2019	
	Q2	Q4	Q2	Q4
	5/30/2018	11/15/2018	6/4/2019	10/22/2019
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 1.0	< 1.0	< 1.0	< 1.0
TVOCs	0	0	0	0
1,4-Dioxane	3.33	3.35	4.66	3.75
Year to Date Average Total Site-Related VOCS				
TVOC Trigger Value	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-3

	2011	2012				2013				2014				2015			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	12/6/2011	3/8/2012	5/15/2012	9/4/2012	12/7/2012	02/20/2013	05/21/2013	08/26/2013	12/6/2013	2/25/2014	4/18/2014	8/12/2014	11/25/2014	3/24/2015	6/9/2015	8/25/2015	11/4/2015
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Carbon Disulfide																	<2.0
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																0.6	1.8
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	NE	NE	NE	NE	1.5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.6	0.28

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-3

	2016		2017		2018		2019	
	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	6/21/2016	11/21/2016	6/14/2017	11/10/2017	4/16/2018	11/15/2018	6/3/2019	10/22/2019
1,1,1-Trichloroethane	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	< 0.50	< 0.50
1,1-Dichloroethane	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	<0.50	< 0.50	< 0.50	< 0.51	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	<1.0	< 1.0	< 1.0	< 1.0	< 0.50	2.3	< 1.0	< 1.0
TVOCs	0	0	0	0	0	2	0	0
1,4-Dioxane	6.16	7.10 J	5.63 J	4.98	5.87	5.74	5.44	6.8
Year to Date Average Total Site-Related VOCS								
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-4

	2011	2012				2013				2014				2015			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	12/7/2011	3/8/2012	5/16/2012	9/4/2012	12/28/2012	02/19/2013	05/21/2013	08/26/2013	12/6/2013	2/25/2014	4/22/2014	8/12/2014	11/26/2014	3/31/2015	6/9/2015	8/25/2015	12/11/2015
1,1,1-Trichloroethane	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.50	<0.50	<0.50	<1.0
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.50	<0.50	<1.0
1,1,2-Trichloroethane	0.44 J	0.42 J	<1	0.48 J	0.64	0.47 J	0.51 J	0.53	0.55	<0.5	0.64	<0.50	0.62	0.61	0.58	0.79 J	0.68 J
1,1-Dichloroethane	<0.5	<0.5	<1	<0.5	0.2 J	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.50	0.43 J	<0.50	<0.50	<0.50	<1.0
1,1-Dichloroethene	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	0.39 J	0.5	0.61	<1.0
1,2-Dichloroethane	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0
Carbon Disulfide																	<2.0
Carbon Tetrachloride	0.76	0.73	<1	1	0.99	1	0.81 J	0.98	0.56	0.61	0.57	<0.50	0.78	0.76	0.87	1	1.0
Chlorobenzene	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	1	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0
Chloroform	0.91	0.86	<1	0.98	1.1	1.2	0.83 J	<0.5	1	1.1	1.1	1.1	1.1	1.1	1	1.3	1.1
cis-1,2-Dichloroethene	0.63	0.52	0.64 J	0.67	0.68	0.72	0.65 J	0.77	0.62	0.73	0.68	<0.50	0.86	0.86	0.87	1.1	0.91 J
Tetrachloroethene	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	<0.50	<1.0
trans-1,2-Dichloroethene	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50	60.9 D	<1.0
Trichloroethene	46 D	45 D	<1	58 D	59 D	57 D	53	64 D	49 D	46 D	50 D	54	74.6 DJ	64.2 D	52.9 D	<0.50	80.7
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<1	0.23 J	0.27 J	0.24 J	<5.0	<0.5	<0.5	<0.5	<0.5	<0.50	0.45 J	0.48 J	0.67 J	0.75 J	<5.0
TVOCs	49	48	53.64	61	63	60.63	56	67	52	49	53	55	79	68	57	66	84
1,4-Dioxane																0.77 J	1.33
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 3-4

	2016		2017		2018		2019	
	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	6/22/2016	11/21/2016	6/14/2017	11/10/2017	4/16/2018	11/15/2018	6/3/2019	10/22/2019
1,1,1-Trichloroethane	0.074 J	0.11 J	0.13 J	0.26 J	0.48 J	0.25 J	0.33 J	0.38 J
1,1,2,2-Tetrachloroethane	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	0.62 J	0.69	0.79	1.4	1.8	1.1	1.0	1.1
1,1-Dichloroethane	0.69	< 0.50	0.21 J	0.43 J	0.61	0.36 J	0.44 J	0.5
1,1-Dichloroethene	0.13 J	1.1	1.6	3.2	4.6	2.8	4.0	3.9
1,2-Dichloroethane	0.79	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0 B
Carbon Tetrachloride	0.46 J	0.61	0.87	1.3	3.0	1.3	1.8	2.3
Chlorobenzene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
Chloroform	1.2	1.3	1.4	2.5	2.5	1.4	1.3	1.2
cis-1,2-Dichloroethene	0.98	1.1	1.2	1.8	2.4	1.7	1.8	1.9
Tetrachloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
trans-1,2-Dichloroethene	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
Trichloroethene	63	78.8	77.3	106 D	192 D	139	154 D	156 D
Trichlorotrifluoroethane (Freon)	0.62 J	0.54 J	1.2	2.7	3.5	2.3	3.0	3.2
TVOCs	68	84	85	120	210	150	170	170
1,4-Dioxane	3.91	4.13	4.43	2.52	6.08	4.43	6.5	6.7
Year to Date Average Total Site-Related VOCS								
TVOC Trigger Value	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 4-1

	2004	2005				2006				2007				2008			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	1/6/2005	4/7/2005	6/17/2005	9/15/2005	1/19/2006	3/29/2006	7/12/2006	10/10/06	12/1/2006	3/9/2007	6/20/2007	9/21/2007	12/12/2007	4/1/2008	6/30/2008	8/6/2008	12/18/2008
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Carbon Disulfide																	
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 4-1

	2009				2010				2011				2012			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	03/13/2009	05/21/2009	08/07/2009	11/10/2009	1/25/2010	4/8/2010	7/22/2010	12/20/2010	02/15/2011	05/26/2011	08/4/2011	12/7/2011	3/1/2012	5/7/2012	8/24/2012	12/12/2012
1,1,1-Trichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.21 J
1,1-Dichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																
Carbon Tetrachloride	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3
Tetrachloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorotrifluoroethane (Freon)	0.31 J	<5 U	0.56	0.55	0.87	0.69	0.55	0.84	0.93	0.8	1.1	0.99	1.5	2.1	1.7	3
TVOCs	0.31	0	0.56	0.55	0.87	0.69	0.55	0.84	0.93	0.8	1.1	0.99	1.5	2.1	1.7	3.2
1,4-Dioxane																
Year to Date Average Total Site-Related VOCS																
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 4-1

	2013				2015				2016		2017		2018		2019	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	02/11/2013	05/16/2013	08/19/2013	12/2/2013	3/30/2015	6/3/2015	8/26/2015	11/6/2015	5/31/2016	10/31/2016	5/26/2017	11/6/2017	4/12/2018	11/16/2018	5/28/2019	10/25/2019
1,1,1-Trichloroethane	<0.5	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.10 J	0.18 J	< 0.50	0.14 J	< 0.50 J	<0.50 J	< 0.50
1,1,2,2-Tetrachloroethane	<0.5	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1,2-Trichloroethane	<0.5	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethane	0.26 J	0.21 J	<0.50	<0.50	<0.50	0.13 J	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
1,1-Dichloroethene	<0.5	<5.0	<0.50	<0.50	0.36 J	0.30 J	0.38 J	<1.0	<1.0	0.56	1	0.28 J	0.65	0.77	0.75	0.8
1,2-Dichloroethane	<0.5	<5.0	<0.50	<0.50	0.12 J	0.11 J	0.13 J	<1.0	<1.0	0.14 J	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50
Carbon Disulfide								<2.0	<2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
Carbon Tetrachloride	<0.5	<5.0	<5.0	<0.50	0.17 J	<0.50	0.21 J	<1.0	0.22 J	0.18 J	0.33 J	< 0.50	0.25 J	0.32 J	0.25 J	0.30 J
Chlorobenzene	<0.5	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 5.0
Chloroform	<0.5	<5.0	<5.0	<0.50	0.13 J	0.20 J	0.15 J	<1.0	0.13 J	0.25 J	0.81	0.61	0.81	0.28 J	0.58	0.23 J
cis-1,2-Dichloroethene	<0.5	<5.0	<5.0	<0.50	0.23 J	6.3 J	0.086 J	<1.0	<1.0	0.19 J	< 0.50	< 0.50	< 0.50	0.24 J	0.24 J	0.31 J
Tetrachloroethene	<0.5	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 5.0
trans-1,2-Dichloroethene	<0.5	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 5.0
Trichloroethene	<0.5	<5.0	<5.0	<0.50	0.79	0.58	0.92 J	<1.0	1.1	0.57	0.84	0.28 J	0.34 J	0.58 J	0.62	1.1
Trichlorotrifluoroethane (Freon)	2.7	<5.0	<5.0	7.6	10	<0.50	14.7	<5.0	17	14.5	26.6	8.7	18.1 J	28.1	24.6	30.7
TVOCs	2.96	4.0	4.5	8	12	7.6	17	0	18	16	29	9.9	20	30	27	33
1,4-Dioxane							0.58	0.24	2.32	3.0	2.64	1.87	2.84	3.12	3.32	4.05
Year to Date Average Total Site-Related VOCS																
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 4-2

	2004	2005				2006				2007				2008			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	1/6/2005	4/7/2005	6/17/2005	9/15/2005	1/19/2006	3/29/2006	7/11/2006	10/10/06	12/1/2006	3/9/2007	6/20/2007	9/21/2007	12/12/2007	4/1/2008	6/26/2008	8/6/2008	12/18/2008
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,1-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Carbon Disulfide																	
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Chloroform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
cis-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5 U
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorotrifluoroethane (Freon)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 4-2

	2009				2010				2011				2012				2013
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	03/16/2009	05/21/2009	08/07/2009	11/10/2009	1/27/2010	4/8/2010	7/22/2010	12/16/2010	02/14/2011	05/25/2011	08/4/2011	12/8/2011	2/28/2012	5/8/2012	8/24/2012	12/11/2012	02/12/2013
1,1,1-Trichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide																	
Carbon Tetrachloride	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	<0.5	<5 U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.25 J	<0.5
Trichlorotrifluoroethane (Freon)	<0.5	<5 U	<0.5	<0.5	0.44 J	0.42 J	0.21 J	0.45 J	0.28 J	0.62	0.36 J	0.67	0.7	0.79	0.87	1.5	1.1
TVOCs	0	0	0	0	0.44	0.42	0.21	0.45	0.28	0.62	0.36	0.67	0.7	0.79	0.87	0.87	1.1
1,4-Dioxane																	
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

COC and 1,4-Dioxane Data for Outpost Well BPOW 4-2

				2015				2016		2017		2018		2019	
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q4	Q2	Q4	Q2	Q4	Q2	Q4
	05/22/2013	08/19/2013	12/12/2013	3/27/2015	6/3/2015	8/26/2015	11/12/2015	6/1/2016	11/3/2016	6/20/2017	11/7/2017	4/19/2018	11/16/2018	5/24/2019	10/24/2019
1,1,1-Trichloroethane	<5.0	<0.5	<0.5	<0.50	<0.50	0.063 J	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	<5.0	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	<5.0	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	<5.0	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	<5.0	<0.5	<0.5	0.39 J	0.29 J	0.52	<1.0	<1.0	0.27 J	< 0.50	0.25 J	0.33 J	0.49 J	0.39 J	0.51
1,2-Dichloroethane	<5.0	<0.5	<0.5	0.10 J	0.099 J	0.072 J	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide							<2.0	<2.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	<5.0	<0.5	<0.5	0.12 J	<0.50	0.19 J	<1.0	0.20 J	0.094 J	< 0.50	< 0.50	0.24 J	< 0.50	<0.50	< 0.50
Chlorobenzene	<5.0	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	<5.0	<0.5	<0.5	<0.50	<0.50	0.090 J	<1.0	0.10 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	<5.0	<0.5	<0.5	0.19 J	0.14 J	0.18 J	<1.0	0.26 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	<5.0	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	0.10 J	< 0.50	< 0.50	< 0.50	0.14 J	0.35 J	0.14 J	0.49 J
trans-1,2-Dichloroethene	<5.0	<0.5	<0.5	<0.50	<0.50	<0.50	<1.0	<1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	0.30 J	<0.5	<0.5	0.78	0.82	1.6	1.5	1.9	0.91	0.6	0.92	1.2	2.0	0.96	2.2
Trichlorotrifluoroethane (Freon)	1.5 J	1.6	2.4	5.2	4.2	112.9	11.2	13	7	2.5	5.8	9.0	15.9	6.7	18.8
TVOCs	1.8	1.6	2	6.8	5.6	16	13	15	8.3	3.1	7.0	11	19	8.1	22
1,4-Dioxane						0.41	0.46	1.80	1.1	0.425	0.515	0.741	1.47	<0.789 B	2.14
Year to Date Average Total Site-Related VOCS															
TVOC Trigger Value	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-1

	2015		2016				2017				2018				2019		2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q1
	8/31/2015	11/12/2015	3/1/2016	6/9/2016	8/17/2016	11/2/2016	2/24/2017	5/17/2017	9/13/2017	12/27/2017	2/21/2018	5/7/2018	9/13/2018	11/28/2018	2/25/2019	6/14/2019	3/9/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.21	<0.22	<0.11	<0.11	<0.200	<0.200	<0.200	<0.200	<0.200	<0.100	0.114 J	0.102 J	0.104 J	0.121 J	0.150 J	<0.437 B	0.593
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-2

	2015		2016				2017				2018				2019		2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q1
	9/1/2015	11/12/2015	3/1/2016	6/9/2016	8/17/2016	11/2/2016	2/24/2017	5/17/2017	9/7/2017	12/27/2017	2/21/2018	5/7/2018	9/14/2018	11/28/2018	2/21/2019	6/14/2019	3/9/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.21	<0.23	<0.11	<0.11	<0.200	<0.200	<0.200	<0.200	0.102 J	<0.100	<0.200	<0.200	<0.200	<0.200	0.100 U	< 0.209 B	0.121 J
Year to Date Average Total Site-Related VOCS																	
TVOC Trigger Value	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-3

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/2/2015	12/3/2015	2/26/2016	6/27/2016	8/17/2016	11/2/2016	2/27/2017	5/15/2017	9/17/2017	12/27/2017	2/21/2018	5/7/2018	9/13/2018	11/28/2018	3/7/2019	6/24/2019	8/16/2019	10/31/2019	3/9/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	0.39	0.39	<0.10	1.6	1.19	1.41	1.5	1.28	1.02	2	2.69	1.81	1.45	1.52 J	1.72	1.82	2.45	2.05	2.10
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-4

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/14/2015	11/16/2015	2/26/2016	6/10/2016	8/19/2016	11/3/2016	3/8/2017	5/12/2017	9/1/2017	12/20/2017	2/22/2018	5/3/2018	9/4/2018	11/27/2018	2/26/2019	6/11/2019	8/15/2019	10/28/2019	3/11/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	0.28	0.28	0.42	1.2	1.25	1.27	1.16	1.12	1.13	1.27	1.32	0.897	0.985	0.858	0.837	1.07	1.05	1.04	0.841
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-5

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/15/2015	11/13/2015	2/17/2016	6/2/2016	8/15/2016	11/1/2016	2/23/2017	5/11/2017	9/5/2017	12/11/2017	2/20/2018	5/4/2018	9/12/2018	11/26/2018	3/8/2019	6/10/2019	8/13/2019	10/29/2019	3/10/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50 J	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	0.39	0.42	0.42	1.2	1.25	1.48	1.13	1.34	1.50 J (4)	1.41	1.32	1.46	1.65	1.4	1.56	< 2.19 B	1.76	1.6	1.29
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-6

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/16/2015	11/13/2015	2/17/2016	6/9/2016	8/15/2016	12/1/2016	2/23/2017	5/11/2017	9/5/2017	12/11/2017	2/20/2018	5/4/2018	9/12/2018	11/26/2018	2/27/2019	6/19/2019	8/13/2019	10/29/2019	3/10/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	0.15 J	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 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	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.23	<0.21	<0.11	<0.11	0.127 J	0.174 J	0.111 J	0.129 J	0.162 J(4)	0.118 J	<0.200	0.206	0.263	0.311	0.243	0.349	0.307	0.458	0.779
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

COC and 1,4-Dioxane Data for Outpost Well BPOW 5-7

	2015	2016				2017				2018				2019				2020
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	11/20/2015	2/18/2016	6/13/2016	8/16/2016	11/9/2016	2/28/2017	5/16/2017	9/6/2017	12/18/2017	2/23/2018	5/2/2018	9/5/2018	11/29/2018	3/5/2019	6/20/2019	8/14/2019	10/28/2019	3/11/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50 J	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	0.11 J	< 0.50	0.089 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	0.49 J	0.13 J	< 0.50	< 0.50	<0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0.49	0.13	0.11	0	0.089	0	0	0	0	0	0	0	0	0	0.13	0	0	0
1,4-Dioxane	<0.21	0.13	0.08	<0.200	<0.200	<0.200	<0.200	<0.200	<0.100	<0.200	0.120 J	<0.200	<0.200 J	0.100 UJ	0.221	< 0.200	0.100 U	0.100 U
Year to Date Average Total Site-Related VOCS																		
TVOC Trigger Value	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

COC and 1,4-Dioxane Data for Outpost Well BPOW 6-1

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		Q2	Q3	Q4	Q1
	9/3/2015	11/30/2015	2/22/2016	6/3/2016	8/22/2016	12/1/2016	3/6/2017	5/22/2017	9/11/2017	12/12/2017	3/5/2018	5/10/2018	9/11/2018	11/26/2018	2/15/2019	6/5/2019	8/19/2019	10/31/2019	3/12/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.21 U	<0.22 U	<0.11	<0.11	<0.200 J	<0.20 J	<0.200	<0.100	<0.200	<0.100	0.119 J	0.131 J	<0.200	0.118 J	0.141 J	< 0.301 B	0.181 J	0.221	0.222
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

COC and 1,4-Dioxane Data for Outpost Well BPOW 6-2

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/4/2015	11/30/2015	2/22/2016	6/3/2016	8/22/2016	11/7/2016	3/6/2017	5/22/2017	9/11/2017	12/12/2017	3/5/2018	5/7/2018	9/11/2018	11/26/2018	2/15/2019	6/5/2019	8/19/2019	10/31/2019	3/12/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	0.11 J	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.29	<0.22	<0.11	<0.11	<0.200	<0.200	<0.20	<0.100	<0.200	<0.100	<0.200	<0.200	<0.200	<0.200	<0.200	< 0.257 B	<0.200	0.100 U	0.100 U
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

COC and 1,4-Dioxane Data for Outpost Well BPOW 6-3

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/8/2015	12/1/2015	2/24/2016	6/7/2016	8/31/2016	11/10/2016	3/6/2017	5/23/2017	9/11/2017	12/14/2017	3/6/2018	5/8/2018	9/11/2018	11/30/2018	2/20/2019	6/6/2019	8/21/2019	10/30/2019	3/13/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.22	<0.22	<0.10	<0.10	<0.200	<0.200	<0.200	0.100 U	<0.200	<0.100	<0.200	0.143 J	<0.200	<0.200	0.100	< 0.221B	< 0.220	0.100 U	0.100 U
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8

COC and 1,4-Dioxane Data for Outpost Well BPOW 6-4

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/9/2015	12/1/2015	2/24/2016	6/7/2016	8/24/2016	11/10/2016	3/6/2017	5/23/2017	9/11/2017	12/14/2017	3/8/2018	5/8/2018	9/11/2018	11/30/2018	3/8/2019	6/6/2019	8/21/2019	10/30/2019	3/13/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.22	<0.22	<0.10	0.09 J	<0.200	0.103 J	<0.200	0.104 J	0.119 J	0.141 J	0.139 J	<0.200	0.161 J	0.217	0.198 J	< 0.393 B	0.276	0.323	0.263
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8

COC and 1,4-Dioxane Data for Outpost Well BPOW 6-5

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/10/2015	12/5/2015	2/24/2016	6/8/2016	8/23/2016	11/8/2016	3/7/2017	5/25/2017	9/8/2017	12/18/2017	3/8/2018	5/9/2018	9/10/2018	11/27/2018	2/19/2019	6/7/2019	8/20/2019	10/30/2019	3/16/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	0.24 J	0.89	1.0	0.27 J	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0.24	0.89	1	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.22	<0.22	<0.10	<0.10	<0.200	<0.200	<0.200	0.100 U	<0.200	<0.100	<0.200	<0.200	<0.200	<0.200	0.100	< 0.278 B	< 0.200	0.100 U	0.100 U
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

COC and 1,4-Dioxane Data for Outpost Well BPOW 6-6

	2015		2016				2017				2018				2019				2020
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	9/11/2015	12/2/2015	2/25/2016	6/8/2016	8/31/2016	11/8/2016	3/7/2017	5/25/2017	9/8/2017	12/18/2017	3/8/2018	5/9/2018	9/10/2018	11/27/2018	2/26/2019	6/7/2019	8/20/2019	10/30/2019	3/16/2020
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 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-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Disulfide	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Carbon Tetrachloride	< 0.50	0.40 J	0.34 J	0.14 J	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorotrifluoroethane (Freon)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TVOCs	0	0.4	0.34	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,4-Dioxane	<0.22	<0.22	<0.11	0.04 J	<0.200	NS	<0.200	0.100 U	<0.200	<0.100	<0.200	<0.200	<0.200	<0.200	0.100 U	<0.235 B	<0.200	0.100 U	0.100 U
Year to Date Average Total Site-Related VOCS																			
TVOC Trigger Value	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

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