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Periodic Review Report and Annual Report January through December 2018

Xerox Corporation
Bradley Hill Road
Blauvelt, Rockland County New York
NYSDEC Site Number 3-44-021

Prepared for:
New York State Department of Environmental Conservation, Region 3



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1.0 BACKGROUND

The former Xerox Blauvelt Facility (the Site) is located on Bradley Hill Road near the intersection of Route 303 in Blauvelt, Rockland County, New York. The facility was previously used by Xerox as a refurbishing and distribution center. From the mid-1980s through the mid-1990s, Xerox subleased a portion of the building (named the Central Refurbishing Center [CRC] area and the adjacent warehouse comprising of the old building portion) to Materials Research Inc. (MRI). Xerox vacated the building in 2002 and subleased the entire facility to Advanced Distribution Systems (ADS). Since that time, ADS has operated within the building, using the structure as a warehouse and shipping site. In 2008, the Xerox lease for the facility was terminated. Since that time, the facility was directly leased to ADS and ultimately sold to ADS in December 2013.

The Site is located between the west side of Route 303 and an active CSX Corporation (CSX) freight rail line. A small unnamed tributary that discharges into the Hackensack River runs along the western perimeter of the Site to the north into a light industrial park. The Site is located in a valley that slopes downward to the north. The immediate area surrounding the facility is a mixture of light industrial and commercial facilities. The former CRC “old building” is a single story slab-on-grade steel frame structure, and encompasses approximately 166,200 square feet. In 1982, the main facility structure was expanded by 97,344 square feet, and referred to as the “new building.”

Beginning in 1970, operations at the Site included the refurbishing of electrostatic copiers and copier parts using a variety of chlorinated solvent blends. Two underground storage tanks (USTs) located at the north end of the property stored both virgin and spent solvents used in the refurbishing process. Investigation of the USTs and other areas included former paint booths, a former solvent storage room and the former CRC area. Sources of contamination including operations and storage tanks were removed from the Site in 1979.

Groundwater contamination at the Site is moving down-gradient from the former UST locations toward the north and northwest Site boundaries. Contamination is also present under the former CRC area of the Blauvelt plant building. Based on the results of a Remedial Investigation (RI) and Feasibility Study (FS), a Record of Decision (ROD) was issued by the New York State Department of Conservation (NYSDEC), in March 1993 selecting 2-PHASE Extraction for contaminants in soil and groundwater within the source area. Conventional groundwater pumping systems were also employed north of the source area for migration control.

A significant volume of contaminant mass that included over 50,000 pounds (lbs.) of Volatile Organic Compounds (VOCs), was removed from the Site using 2-PHASE Extraction. As a result, VOC concentrations in groundwater and soils were substantially reduced. The system was in operation from June 1993 to October 2002. It was determined that the system reached its asymptotic limit for mass removal. The 2-PHASE Extraction System was shut down with NYSDEC approval in October 2002.

Currently, Xerox operates a groundwater treatment plant (GTP) at the Site for groundwater recovery and migration control in addition to a sub-slab depressurization system (SSDS). The GTP has remained mostly operational since 1989 and has been optimized over the years in response to Site groundwater conditions. The GTP consists of air stripping and discharge of groundwater to the nearby stream. R-3 is the only active GTP recovery well. The SSDS was installed in the vicinity of the former CRC area to mitigate the potential for intrusion of vapor-phase contaminants into the interior spaces.

The Groundwater Treatment System (GTS) at the Site was not operating for approximately 135.5 hours during 2018, achieving an uptime of 98.45%. System downtime is discussed in Section 4.1. Routine maintenance activities occurred in 2018, as discussed in Section 2.1.

Current groundwater monitoring well locations are shown on Figure 1 – 2018 Monitoring Well Locations. SSDS suction points are shown on Figure 2 – Sub-Slab Depressurization System Site Plan.



2.0 GROUNDWATER SAMPLING OVERVIEW AND METHODS

2.1 WELL MAINTENANCE ACTIVITIES

Ground Water Investigations, Inc. (GWI) of Pine Bush, New York performed quarterly groundwater sampling at the Site. In 2018, the existing monitoring wells were accessible for each quarterly sampling event. Monitoring and sampling at the Site is ongoing in accordance with the Site Management Plan (SMP). The integrity of the monitoring wells at the Site do not appear to be compromised, and the majority of the wells in the sampling network appear to be in good condition, based on quarterly field data sampling sheets provided by GWI. Groundwater monitoring well conditions and field notes are summarized in the table below.

Well Number	Location	Condition 1 st Quarter	Condition 2 nd Quarter	Condition 3 rd Quarter	Condition 4 th Quarter
W-2	On-Site	OK	Good	OK	OK
U-6D	On-Site	Good	Good	Good	Good
MW-12	On-Site	Good	Good	Good	Good
MW-13	On-Site	Good	Good	Good	Good
PW-2	On-Site	Good	Good	Good	Good
OW-1	On-Site	Good	Good	Good	Good
OW-2	On-Site	Good	Good	Good	Good
RI-6	On-Site	Poor ¹	Good	Poor ¹	Poor ¹
OS-2R	Off-Site	Good	Good	Good	Good
OS-5R	Off-Site	Not stated	Good	Not stated	Good
OS-5D	Off-Site	Bent	Good	Bent	Good
OS-6	Off-Site	Good	Good	Good	Good
OS-6R	Off-Site	Good	Good	Good	Good
OS-7R	Off-Site	Good	Good	Good	Good
OS-7D	Off-Site	Good	Good	Good	Good
OS-9	Off-Site	Poor ²	Good	Poor ²	Poor ²
OS-9R	Off-Site	Lock Added	Good	Lock Added	Lock Added
OS-11R	Off-Site	Good	Good	Good	Good
OS-11D	Off-Site	Good	Good	Good	Good
OS-12R	Off-Site	Good	Good	Good	Good
OS-15R	Off-Site	Good	Good	Good	Good
OS-15D	Off-Site	Good	Good	Good	Good

Notes:

1 – RI-6 is still accessible and functional for regular groundwater sampling events.

2 – OS-9 has a kink in the well at 5.5', however, well is locked and still accessible for regular groundwater sampling events.



Field data sampling sheets are included with each quarterly analytical laboratory report in Appendix B – Quarterly Laboratory Analytical Reports. Groundwater monitoring well locations are shown on Figure 1.

The wells identified in Figure 1:

- OS-13R and OS-14 located on the Gussack Property – attempted to abandon in 2007 unable to coordinate an access agreement to abandon wells;
- OS-17 and OS-19R on Restaurant Depot building and parking lot location; and
- OS-18 located farthest to the North near the Arch Production & Design NYC.

The above listed wells are not included in the Site Management Plan (SMP), prepared by Bergmann, dated November 2006, and approved by NYSDEC December 2006. The wells above are not part of the monitoring program as indicated in Table 1 of the SMP - Current Groundwater Sampling & Analysis Plan (SAP). Xerox has asked NYSDEC to provide a letter to the property owners requesting for Xerox to gain access to perform the well closures.

2.2 GROUNDWATER FIELD MONITORING AND SAMPLING ACTIVITIES

Groundwater measurements and sampling activities were conducted in accordance with the current SAP that is an Appendix of the SMP. The depths to groundwater for monitoring wells are measured and recorded on a regular basis to track site-wide changes in the water table elevation.

Samples are collected from the monitoring wells after each well is gauged and purged an approximated three (3) well volumes of well water using a Teflon[®] bailer. Aquifer parameters including pH, temperature, conductivity, reduction/oxidation potential and turbidity are monitored to ensure stabilization of parameters prior to sample collection. One (1) duplicate sample and one (1) trip blank sample are collected and submitted for laboratory analysis as part of QA/QC requirements. Groundwater samples are delivered via chain-of-custody protocol to ALS Environmental (ALS), a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory for testing using United States Environmental Protection Agency (US EPA) Method 8021B for Aromatic and Halogenated VOCs.



3.0 SITE GROUNDWATER FLOW CHARACTERIZATION

Due to groundwater variation at the Site, the water table surface and groundwater flow pattern was calculated for 2018 using elevations calculated from depth to water measurements from a maximum of 22 site-related monitoring wells, as described below. The current network of groundwater monitoring wells is shown on Figure 1. Depth to water values were measured on March 8-9, 2018, June 28-29 & July 10, 2018, September 27-28, 2018 and December 13-14, 2018, are presented in Table 1 – Groundwater Elevations and Measurements.

The groundwater contours generally indicate an overburden groundwater flow direction in a northeast direction or towards the R-3 recovery well. The bedrock groundwater contours generally indicate in a northwest direction for 2018. The following is a summary of groundwater flow characterization for each sampling event in 2018:

3.1 FIRST QUARTER 2018

Depth to groundwater was measured from 20 site-related monitoring wells on March 8th -9th, 2018. The March depths to groundwater in overburden groundwater monitoring wells ranged from 3.30 ft. below ground surface (bgs) at OS-9 to 14.62 ft. bgs at PW-2. Both MW-13 and MW-12 were dry wells at the time of measurement. The average depth to groundwater at the five (5) overburden monitoring wells measured was 9.52 ft. bgs. Compared to the Fourth Quarter 2017 sampling event, the March site-wide average water table in the overburden decreased by approximately 3.42 ft. This decrease in the water table is inferred as seasonal. The March depths to groundwater in bedrock groundwater monitoring wells ranged from 5.20 ft. bgs at U-6D to 39.00 ft. bgs at OS-9R. The average depth to groundwater at the fifteen (15) bedrock monitoring wells measured was 15.63 ft. bgs. Compared to the Fourth Quarter 2017 sampling event the January site-wide average water table decreased by approximately 1.86 ft. This decrease in the water table is inferred as seasonal. First Quarter groundwater elevations are presented on the First Quarter Figure 3A – March 8th- 9th, 2018 Elevation Posting Map (Overburden) and Figure 4A – March 8th- 9th, 2018 Elevation Posting Map (Bedrock).

The overburden groundwater contour configuration for March indicates a northeast groundwater flow direction and lower groundwater elevation toward the area of recovery well R-3. The dry wells at MW-12 and MW-13 indicate a depression in the groundwater table in this area from operation of recovery well R-3, see Figure 3B – March 8th- 9th, 2018 Water Table Map (overburden). The bedrock groundwater contour configuration generally indicated flow towards the northwest in the down-gradient direction, see Figure 4B- March 8th- 9th, 2018 Water Table Map (Bedrock).

3.2 SECOND QUARTER 2018

Depth to groundwater was measured from 21 site-related monitoring wells on June 28th -29th and July 10th, 2018. The Second Quarter depths to groundwater in overburden groundwater monitoring wells range from 3.95 ft. bgs at OS-9 to 15.00 ft. bgs at PW-2. The average depth to groundwater at the seven (7) overburden monitoring wells measured was 11.14 ft. bgs. Monitoring well MW-13 was dry during the Second Quarter sampling event. Compared to the First Quarter 2018 sampling event, the Second Quarter site-wide average water table in the overburden increased by approximately 1.62 ft. This increase in the water table is inferred as seasonal. The Second Quarter depths to groundwater in bedrock groundwater monitoring wells range from 6.48 ft. bgs at U-6D to 37.82 ft. bgs at OS-9R. The average depth to groundwater at the thirteen (13) bedrock monitoring wells measured was 16.58 ft. bgs. Compared to the First Quarter 2018 sampling event, the Second Quarter site-wide average water table increased by approximately 0.95 ft. This increase in the water table is inferred as seasonal. Second Quarter groundwater depths are presented on Figure 3A – June 28th-29th, 2018 Elevation Posting Map (Overburden) and Figure 4A – June 28th-29th & July 10th, 2018 Elevation Posting Map (Bedrock).



The overburden groundwater contour configuration for June is generally consistent with the March contour configuration with a northeast groundwater flow direction and lower groundwater elevation toward the area of recovery well R-3. The dry well at MW-13 indicates a depression of the groundwater table in this area from operation of recovery well R-3, see Figure 3B – June 28th-29th, 2018 Water Table Map (overburden). The bedrock groundwater contour configuration generally indicated flow towards the northwest in the down-gradient direction, see Figure 4B- June 28th-29th, 2018 Water Table Map (Bedrock). Figure- 4B represents the Water Table map for the Bedrock wells that were measured on June 28th and 29th, 2018. Well OW-1 and Well OW-2 are not included on this figure as they were measures on July 10th, 2018.

3.3 THIRD QUARTER 2018

Depth to groundwater was measured from 20 site-related monitoring wells on September 27th & 28th, 2018. The September depths to groundwater in overburden groundwater monitoring wells range from 4.95 ft. bgs at W-2 to 18.75 ft. bgs at PW-2. The average depth to groundwater at the seven (7) overburden monitoring wells measured was 14.03 ft. bgs. Monitoring well MW-13 and MW-12 were dry during the Third Quarter sampling event. Compared to the Second Quarter 2018 sampling event, the September site-wide average water table in the overburden increased by approximately 2.89 ft. This increase in the water table is inferred as seasonal. The September depths to groundwater in bedrock groundwater monitoring wells range from 7.25 ft. bgs at U-6D to 39.13 ft. bgs at OS-9R. The average depth to groundwater at the fifteen (15) bedrock monitoring wells measured was 16.71 ft. bgs. Compared to the Second Quarter 2018 sampling event the September site-wide average water table increased by approximately 0.14 ft. This increase in the water table is inferred as seasonal. Third Quarter groundwater depths are presented on Figure 3A – September 27th-28th, 2018 Elevation Posting Map (Overburden) and Figure 4B – September 27th- 28th, 2018 Elevation Posting Map (Bedrock).

The overburden groundwater contour configuration for September is generally consistent with the June contour configuration that indicates a northeast groundwater flow direction and lower groundwater elevation toward the area of recovery well R-3. The dry wells at MW-12 and MW-13 indicates that groundwater table is depressed in this area from operation of recovery well R-3, see Figure 3B – September 27th -28th, 2018 Water Table Map (overburden). The bedrock groundwater contour configuration generally indicated flow towards the northwest in the down-gradient direction, see Figure 4B- September 27th -28th, 2018 Water Table Map (Bedrock).

3.4 FOURTH QUARTER 2018

Depth to groundwater was measured from 21 site-related monitoring wells on December 13th-14th, 2018. The December depths to groundwater in overburden groundwater monitoring wells range from 3.70 ft. bgs at OS-9 to 14.90 ft. bgs at PW-2. The average depth to groundwater at the seven (7) overburden monitoring wells measured was 10.55 ft. bgs. Monitoring well MW-13 was dry during the Fourth Quarter. Compared to the Third Quarter 2018 sampling event the December site-wide average water table in the overburden decreased by approximately 3.48 ft. This decrease in the water table is inferred as seasonal. The December depths to groundwater in bedrock groundwater monitoring wells range from 5.50 ft. bgs at U-6D to 38.73 ft. bgs at OS-9R. The average depth to groundwater at the fourteen (14) bedrock monitoring wells measured was 15.59 ft. bgs. Compared to the Third Quarter 2018 sampling event the December site-wide average water table decreased by approximately 1.12 ft. This decrease in the water table is inferred as seasonal. Fourth Quarter groundwater depths are presented on Figure 3A – December 13th-14th, 2018 Elevation Posting Map (Overburden) and Figure 4A – December 13th-14th, 2018 Elevation Posting Map (Bedrock).

The overburden groundwater contour configuration for December is generally constant with the September contour configuration that indicates a northeast groundwater flow direction and lower groundwater elevation



toward the area of recovery well R-3. The dry well at MW-12 indicates that groundwater table is depressed in this area from operation of recovery well R-3, see Figure 3B – December 13-14, 2018 Water Table Map (overburden). The bedrock groundwater contour configuration generally indicated flow towards the northwest in the down-gradient direction, see Figure 4B-December 13-14, 2018 Water Table Map (Bedrock).

Groundwater well data, including well construction information, elevations and field measurements for each 2018 Quarterly sampling event is summarized in Table 1. A summary of quarterly groundwater static water levels from previous sampling events is presented in Table 2 - Summary of Quarterly Groundwater Static Water Levels.



4.0 LABORATORY ANALYSIS

4.1 LABORATORY ANALYSIS OF GROUNDWATER SAMPLES - 2018

During the 2018 reporting period, groundwater processed through the GTP was sampled on a monthly basis per the SMP. The following table show a period throughout 2018 when the GTS was down and the reason for system interruption.

System Down – Start Date	System Down – End Date	Reason
04/23/2018	04/23/2018	Shutdown for filter change
04/26/2018	04/26/2018	Shutdown to add water into old Air Stripper
05/06/2018	05/06/2018	System down for less than 30 minutes. Unknown reason for system interruption
05/24/2018	05/25/2018	Air Stripper Cleaning
09/07/2018	09/07/2018	System down for less than 30 minutes. Unknown reason for system interruption
09/30/2018	10/04/2018	Electrical shortage

In addition to the above downtime, the system was not operating for short periods of time (hours) throughout the year for routine maintenance.

When running, the GTS operated at an average flow rate of 38.55 gallons per minute in 2018. System primary influent and effluent sample data is summarized in Table 3 – Summary of Monthly On-Site Groundwater Treatment System Data. Based on the monthly effluent samples, GTP discharges were in compliance when the GTS was operating during the 2018 reporting period; see Appendix B- Monthly Performance Reports.

Total VOC concentrations at the system influent have decreased to an average of 34 parts per billion (ppb) during the reporting period from an average of 37 ppb during the 2017 reporting period. The 2018 average is based off eleven (11) months due to samples not analyzed due to a sampling error during the month of May. Total VOC concentrations during the 2018 reporting period are within the same order of magnitude of historic values since the reduction in pump rate in 2009.

4.2 MONITORING WELL GROUDWATER ANALYSIS SUMMARY

Analytical results for monitoring wells during each sampling event in 2018 are summarized as follows:

4.2.1 First Quarter 2018

Routine groundwater sampling was performed on March 8th-9th, 2018 for 22 monitoring wells at the Site: Seven (7) on-site wells and fifteen (15) off-site wells in accordance with the current SAP. VOC concentrations totaled 150 parts per billion (ppb) for the First Quarter 2018 which represents a decrease from the Fourth Quarter 2017 sampling event total of 180 ppb. The highest concentration observed was 93 ppb at on-site monitoring well PW-2. First Quarter analytical data is presented on the Figure 5 – March 8th-9th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Overburden) and Figure 6 – March 8th-9th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Bedrock).



4.2.2 Second Quarter 2018

Routine groundwater sampling was performed on June 28th -29th & July 10th, 2018 for 21 of the 22 monitoring wells at the Site: six (6) on-site wells and fifteen (15) off-site wells in accordance with the current SAP. VOC concentrations totaled 2,472 ppb for the Second Quarter 2018 that represents an increase from the First Quarter 2018 sampling event total of 150 ppb. The highest concentration observed was 2,200 ppb at on-site monitoring well MW-12. Monitoring well MW-13 was dry during the Second Quarter. Monitoring well MW-13 consistently has concentrations of VOCs during other sampling events. Second Quarter analytical data is presented on the Figure 5 – June 28th -29th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Overburden) and Figure 6 – June 28th -29th & July 10th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Bedrock).

4.2.3 Third Quarter 2018

Routine groundwater sampling was performed on September 27th -28th, 2018 for 20 of the 22 monitoring wells at the Site: Six (6) on-site wells and fifteen (15) off-site wells in accordance with the current SAP. VOC concentrations totaled 335 ppb for the Third Quarter 2018 that represents a decrease from the Second Quarter 2018 sampling event total of 2,472 ppb. The highest concentration observed was 226 ppb at on-site monitoring well PW-2. Monitoring wells MW-12 and MW-13 were dry during the Third Quarter. Monitoring wells MW-12 and MW-13 consistently have concentrations of VOCs during other sampling events. Third Quarter analytical data is presented on the Figure 5 - September 27th -28th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Overburden) and Figure 6 – September 27th -28th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Bedrock).

4.2.4 Fourth Quarter 2018

Routine groundwater sampling was performed on December 13th-14th, 2018 for 20 of the 22 monitoring wells at the Site: Five (5) on-site wells and fourteen (14) off-site wells in accordance with the current SAP. VOC concentrations total 940 ppb that represents an increase from the Third Quarter 2018 sampling event total of 335 ppb. The highest concentration observed was 670 ppb at on-site monitoring well MW-12. Historically, monitoring well MW-13 consistently has concentrations of VOCs during previous sampling events. Fourth Quarter analytical data is presented on the Figure 5 – December 13th-14th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Overburden) and Figure 6 – December 13th-14th, 2018 Distribution of Groundwater Analytical Results in Monitoring Wells (Bedrock).

VOC concentrations were observed, and a general decrease trend was apparent when compared to 2017 concentrations within the monitoring wells. This decrease represents an expected return to lower concentrations due to the increased uptime of the GTS after repairs were made and system maintenance was performed.

Monitoring well locations for the current SAP approved for the site are shown on Figure 1. VOC concentrations for these wells are summarized in Table 4 – Summary of Quarterly Groundwater Analytical Data. Laboratory analytical reports for the groundwater monitoring events conducted during each sampling event are provided in Appendix B.



4.3 SUB-SLAB DEPRESSURIZATION SYSTEM OVERVIEW AND METHODS

The operation and monitoring of the SSDS continued during the 2018 reporting period. Vacuum monitoring locations are shown on Figure 2. Sub-slab vacuum measurements were collected using a handheld digital manometer.

Vacuum levels at the SSDS blowers at four (4) permanent manometer locations continue to be monitored on a monthly basis to ensure proper operation of the blowers. Sub-slab vacuum monitoring across the target area is conducted on a semi-annual basis each year. Sub-slab vacuum monitoring was conducted in March and October 2018. During both sub-slab monitoring event, each vacuum monitoring point showed vacuum levels at or above -0.002 inches of water. Vacuum monitoring point T-15 was inaccessible during the March and October events. Vacuum monitoring point T-02 were inaccessible during the March event and point T-05, T-09, and T-14 was inaccessible during October. Blowers were inspected throughout the year. Fan 1 has consistently read low since 2012, and a new fan was installed in August 2015. Low readings on Fan 1 continue to occur after new fan installation.

On March 27th and 28th, 2018 Bergmann personnel were on-site at the Xerox Blauvelt Facility to investigate and, as applicable, correct faults in the Fan 1 portion of the Sub-Slab Depressurization System (SSDS) located in the northwest warehouse area of the building.

During the technical troubleshooting, when adding S02 or S04 back onto to the system the vacuum drops to the low values recorded initially, despite the repair sealing completed at S02. It is noted that typically new systems are not built and avoid depressurization points so close to the exterior foundation wall.

Based on our field testing **we believe S02 and S04 are leaking through the foundation wall or have a preferential pathway under the floor slab.**

System conditions upon leaving on Wednesday March 28th were as follows:

- S01 and S03 ball valves were left wide open;
- S02 and S04 were cracked open so as not to effect a large drop the overall system vacuum but allow for vacuum in the general area.
- The system was running with a Magnehelic® value of 1.5" w.c.

According to the Alpha Concepts Report of *Installation of Active Soil Depressurization Systems at the Xerox Facility Northwest Warehouse Area Blauvelt, New York dated May 3, 2007*, the Fan 1 portion of the system is designed to provide a minimum coverage of 0.002" w.c. pressure differential between the indoor space and sub slab material. It is concluded that the system operations, during current conditions as noted above, is operating at a level that exceeds the installed operational design criteria.

Since the system is above the minimum coverage of 0.002" w.c no further action is needed to take place. If during regular inspection, a decrease in w.c. pressure is noticed a follow up inspection will be conducted.



5.0 REMEDIATION SYSTEM EFFICIENCY

5.1 EXTENT OF IMPACTED GROUNDWATER - 2018

The area of highest impacted groundwater is consistent with prior sampling events. The bulk of the contaminant mass appears to be concentrated north of the former Xerox building in the vicinity of the former tank storage area near monitoring wells MW-12, MW-13, and PW-2.

The groundwater recovery system appears to maintain an area of hydraulic control for the area of impacted groundwater on-site. Therefore, the recovery system appears to be successful in hydraulically controlling most of the contaminant plume on the property and minimizing further migration.

The following is a summary of groundwater treatment system (GTS) repair activities performed in 2018:

- In January 2018, Replaced descender
- In March 2018, SSDS Troubleshooting
- In April 2018, changed filter bags and added water to the bottom of the old air stripper
- In October 2018, electrical system fixed after electrical shortage

5.2 COMPLIANCE

During the reporting period, operation of the remedial systems was in compliance with applicable permits and regulations. The existing wells and monitoring well network is adequate to monitor the performance of the remediation program and to allow for the collection of groundwater quality samples, see appendix A – Institutional and Engineering Controls (IC/EC) Certification Forms.

5.3 FUTURE ACTIVITIES

A summary of the activities planned for 2019 are provided below for reference:

- Continue monitoring remedial systems from remote access application (when systems are in operation).
- Continue groundwater sampling and monitoring (per normal SAP and supplemented by SAP developed for rebound event. Interim summaries of analytical results from the rebound event sampling will be submitted to NYSDEC as data becomes available.
- Continue to assess well conditions and determine repair needs. Make any necessary repair needs during 2019.
- Soil Vapor Intrusion and Indoor Air assessment was conducted on March 13, 2019 per NYSDEC approved work plan. With NYSDEC permission, the SSDS system was shut down for a one month prior to conducting the indoor air and sub-slab vapor sampling event to allow for the system to reach equilibrium. A report of the assessment findings will be submitted to NYSDEC when finalized.
- With approval from NYSDEC, Xerox initiated a groundwater recovery and treatment system rebound event on January 10, 2019.
- The replacement of two roof venting fans.



TABLES

Table 1 - Groundwater Elevations and Field Measurements**Xerox Blauvelt****March 2018**

On-Site Wells

	March 8-9, 2018							
	W-2	U-6D	MW-12	MW-13	PW-2	OW-1	OW-2	RI-6
Casing Elevation*	106.80	118.43	111.72	114.28	110.90	113.27	110.98	114.46
Depth to Groundwater (btoc)	5.55	5.20	Dry	Dry	14.62	18.48	16.51	13.42
Groundwater Elevation	101.25	113.23	Dry	Dry	96.28	94.79	94.47	101.04
Well Depth (btoc)	13.98	26.23	14.45	15.56	20.19	35.30	32.87	23.60
Bottom of Well Elevation	92.82	92.20	97.27	98.72	90.71	77.97	78.11	90.86
Comments								

Off-Site Wells

	March 8-9, 2018							
	OS-2R	OS-5R	OS-5D	OS-6	OS-6R	OS-7R	OS-7D	OS-9
Casing Elevation	105.02	100.60	101.12	89.93	98.70	93.17	93.78	83.71
Depth to Groundwater (btoc)	17.02	9.95	14.56	10.71	12.59	11.99	8.85	3.30
Groundwater Elevation	88.00	90.65	86.56	79.22	86.11	81.18	84.93	80.41
Well Depth (btoc)	48.37	38.31	74.78	23.65	43.30	36.47	68	20.50
Bottom of Well Elevation	56.65	62.29	26.34	66.28	55.40	56.70	25.78	63.21
Comments								

Off-Site Wells

	March 8-9, 2018					
	OS-9R	OS-11R	OS-11D	OS-12R	OS-15R	OS-15D
Casing Elevation	83.66	105.65	105.9	86.91	86.49	85.82
Depth to Groundwater (btoc)	39.00	21.73	20.25	9.12	17.2	12.00
Groundwater Elevation	44.66	83.92	85.65	77.79	69.29	73.82
Well Depth (btoc)	43.81	44.4	75.47	33.05	49.4	82.20
Bottom of Well Elevation	39.85	61.25	30.43	53.86	37.09	3.62
Comments						

NOTES

btoc = Below top of casing (inner riser)

All measurements are in feet, referenced to Mean Sea Level

Table 1 - Groundwater Elevations and Field Measurements**Xerox Blauvelt****June & July 2018**

On-Site Wells

	June 28-29 & July 10, 2018							
	W-2	U-6D	MW-12	MW-13	PW-2	OW-1	OW-2	RI-6
Casing Elevation*	106.80	118.43	111.72	114.28	110.90	113.27	110.98	114.46
Depth to Groundwater (btoc)	8.28	6.48	13.85	DRY	15.00	16.87	14.75	13.00
Groundwater Elevation	98.52	111.95	97.87	DRY	95.90	96.40	96.23	101.46
Well Depth (btoc)	14.00	26.21	14.45	15.56	20.28	35.31	32.86	23.60
Bottom of Well Elevation	92.80	92.22	97.27	98.72	90.62	77.96	78.12	90.86
Comments								

Off-Site Wells

	June 28-29 & July 10, 2018							
	OS-2R	OS-5R	OS-5D	OS-6	OS-6R	OS-7R	OS-7D	OS-9
Casing Elevation	105.02	100.60	101.12	89.93	98.70	93.17	93.78	83.71
Depth to Groundwater (btoc)	18.31	11.11	16.57	12.74	19.32	12.85	10.59	3.95
Groundwater Elevation	86.71	89.49	84.55	77.19	79.38	80.32	83.19	79.76
Well Depth (btoc)	46.38	38.3	64.55	23.65	43.30	36.50	68.01	20.49
Bottom of Well Elevation	58.64	62.30	36.57	66.28	55.40	56.67	25.77	63.22
Comments								

Off-Site Wells

	June 28-29 & July 10, 2018					
	OS-9R	OS-11R	OS-11D	OS-12R	OS-15R	OS-15D
Casing Elevation	83.66	105.65	105.9	86.91	86.49	85.82
Depth to Groundwater (btoc)	37.82	22.74	22.11	9.82	17.10	12.25
Groundwater Elevation	45.84	82.91	83.79	77.09	69.39	73.57
Well Depth (btoc)	43.80	44.6	75.50	33.05	49.35	82.19
Bottom of Well Elevation	39.86	61.05	30.40	53.86	37.14	3.63
Comments						

NOTES

btoc = Below top of casing (inner riser)

All measurements are in feet, referenced to Mean Sea Level

Well OW-1 & OW-2 groundwater elevation was measured on July 10, 2018.

Table 1 - Groundwater Elevations and Field Measurements**Xerox Blauvelt****September 2018**

On-Site Wells

	September 27-28, 2018							
	W-2	U-6D	MW-12	MW-13	PW-2	OW-1	OW-2	RI-6
Casing Elevation*	106.80	118.43	111.72	114.28	110.90	113.27	110.98	114.46
Depth to Groundwater (btoc)	4.95	7.25	DRY	DRY	18.75	19.03	17.00	14.99
Groundwater Elevation	101.85	111.18	DRY	DRY	92.15	94.24	93.98	99.47
Well Depth (btoc)	13.98	26.23	14.45	15.56	20.19	35.30	32.87	23.60
Bottom of Well Elevation	92.82	92.20	97.27	98.72	90.71	77.97	78.11	90.86
Comments								

Off-Site Wells

	September 27-28, 2018							
	OS-2R	OS-5R	OS-5D	OS-6	OS-6R	OS-7R	OS-7D	OS-9
Casing Elevation	105.02	100.60	101.12	89.93	98.70	93.17	93.78	83.71
Depth to Groundwater (btoc)	19.25	11.95	16.30	14.46	14.31	12.28	9.31	4.95
Groundwater Elevation	85.77	88.65	84.82	75.47	84.39	80.89	84.47	78.76
Well Depth (btoc)	48.37	38.31	74.78	23.65	43.30	36.47	68.00	20.50
Bottom of Well Elevation	56.65	62.29	26.34	66.28	55.40	56.70	25.78	63.21
Comments								

Off-Site Wells

	September 27-28, 2018					
	OS-9R	OS-11R	OS-11D	OS-12R	OS-15R	OS-15D
Casing Elevation	83.66	105.65	105.9	86.91	86.49	85.82
Depth to Groundwater (btoc)	39.13	24.25	22.49	9.50	16.75	11.92
Groundwater Elevation	44.53	81.40	83.41	77.41	69.74	73.90
Well Depth (btoc)	43.81	44.40	75.50	33.05	49.4	82.20
Bottom of Well Elevation	39.85	61.25	30.40	53.86	37.09	3.62
Comments						

NOTES

btoc = Below top of casing (inner riser)

All measurements are in feet, referenced to Mean Sea Level

Table 1 - Groundwater Elevations and Field Measurements**Xerox Blauvelt****December 2018**

On-Site Wells

	December 13-14, 2018							
	W-2	U-6D	MW-12	MW-13	PW-2	OW-1	OW-2	RI-6
Casing Elevation*	106.80	118.43	111.72	114.28	110.90	113.27	110.98	114.46
Depth to Groundwater (btoc)	7.12	5.50	13.65	DRY	14.90	16.75	14.63	12.41
Groundwater Elevation	99.68	112.93	98.07	DRY	96.00	96.52	96.35	102.05
Well Depth (btoc)	14.00	26.21	14.45	15.56	20.25	35.31	32.86	23.60
Bottom of Well Elevation	92.80	92.22	97.27	98.72	90.65	77.96	78.12	90.86
Comments								

Off-Site Wells

	December 13-14, 2018							
	OS-2R	OS-5R	OS-5D	OS-6	OS-6R	OS-7R	OS-7D	OS-9
Casing Elevation	105.02	100.60	101.12	89.93	98.70	93.17	93.78	83.71
Depth to Groundwater (btoc)	17.70	10.02	14.45	11.50	14.00	12.41	9.20	3.70
Groundwater Elevation	87.32	90.58	86.67	78.43	84.70	80.76	84.58	80.01
Well Depth (btoc)	46.38	38.15	64.55	23.65	43.30	36.50	68.01	26.49
Bottom of Well Elevation	58.64	62.45	36.57	66.28	55.40	56.67	25.77	57.22
Comments								

Off-Site Wells

	December 13-14, 2018					
	OS-9R	OS-11R	OS-11D	OS-12R	OS-15R	OS-15D
Casing Elevation	83.66	105.65	105.9	86.91	86.49	85.82
Depth to Groundwater (btoc)	38.73	21.68	20.22	9.50	16.66	12.40
Groundwater Elevation	44.93	83.97	85.68	77.41	69.83	73.42
Well Depth (btoc)	43.80	44.6	75.50	33.05	49.35	82.19
Bottom of Well Elevation	39.86	61.05	30.40	53.86	37.14	3.63
Comments						

NOTES

btoc = Below top of casing (inner riser)

All measurements are in feet, referenced to Mean Sea Level

TABLE 2
XEROX CORPORATION - BLAUVELT NEW YORK
SUMMARY OF QUARTERLY GROUNDWATER STATIC WATER LEVELS

	Well Type	Depth to Bottom (ft btoc)	Dec-19	Sep-18	Jun & Jul -18	Mar-18	Dec-17	Jul-17	Apr-17	Jan-17	Dec-16	Jul-16	Jun-16	Jan-16	Oct-15	Jul-15	Apr-15	Jan-15	Oct-14	Jul-14	Apr-14	Jan-14	Oct-13	Jul-13	Apr-13	Jan-13
On-Site Wells																										
W-2	Overburden	13.98	7.12	4.95	8.28	5.55	6.6	5.98	7.62	5.65	7.36	12.58	6.98	7.45	8.62	6.90	5.88	8.16	6.55	4.31	5.75	8.22	9.87	7.40	5.70	4.71
U-6D	Bedrock	26.23	5.5	7.25	6.48	5.2	8.35	6.63	5.24	5.26	7.01	7.36	7.20	6.80	10.08	6.60	5.65	6.73	7.53	5.75	5.19	6.92	7.46	6.36	5.50	6.81
MW-12	Overburden	14.45	13.65	Dry	13.85	Dry	Dry	12.36	11.85	12.66	Dry	13.70	13.78	11.77	12.15	11.06	10.60	12.23	9.33	7.70	11.30	14.35	14.37	12.81	13.02	14.35
MW-13	Overburden	15.56	Dry	Dry	Dry	Dry	Dry	Dry	Dry	13.69	Dry	Dry	Dry	Dry	Dry	Dry	13.26	NA	13.30	11.41	15.45	15.47	15.45	Dry	Dry	Dry
PW-2	Overburden	20.19	14.9	18.75	15	14.62	18.45	13.65	13.23	13.86	16.55	14.40	15.02	13.19	13.65	12.54	11.97	13.60	11.00	9.43	12.85	17.23	17.36	14.13	14.23	15.52
OW-1	Bedrock	35.30	16.75	19.03	16.87	18.48	20.13	15.51	14.84	15.58	18.24	15.91	16.02	14.53	14.93	13.95	13.47	15.05	12.11	10.30	14.64	18.89	19.90	16.24	15.99	17.05
OW-2	Bedrock	32.87	14.63	17	14.75	16.51	18.43	13.35	12.85	13.76	16.46	14.06	14.76	12.76	13.14	12.10	11.66	13.22	10.53	7.88	12.60	17.03	17.11	13.77	13.95	15.22
RI-6	Overburden	23.60	12.41	14.99	13	13.42	15.89	12.37	11.47	12.75	14.90	13.66	13.40	12.76	14.25	11.66	10.85	12.33	11.30	9.00	10.71	14.31	14.13	11.05	11.23	13.00
Off-Site Wells																										
OS-2R	Bedrock	46.37	17.7	19.25	18.31	17.02	19.75	18.12	16.1	18.12	18.53	21.02	18.50	17.82	19.23	17.61	16.03	16.97	18.55	16.99	17.60	19.59	19.92	17.87	17.92	18.77
OS-5R	Bedrock	38.31	10.02	11.95	11.11	9.95	NA	10.52	9.01	10.52	11.40	12.00	11.11	Blocked	11.80	9.87	9.02	NA	10.35	9.50	9.82	12.11	12.11	10.23	10.15	10.82
OS-5D	Bedrock	74.78	14.45	16.3	16.57	14.56	12	15.75	14.32	12.4	16.94	17.82	16.10	14.85	11.95	14.82	13.65	14.62	16.45	15.00	14.92	16.22	17.75	15.00	15.60	16.06
OS-6	Overburden	23.65	11.5	14.46	12.74	10.71	15.11	11.91	10.32	11.91	14.00	13.59	12.86	12.02	13.76	11.77	10.34	11.47	12.61	10.99	10.80	13.85	14.85	11.95	11.60	12.95
OS-6R	Bedrock	43.30	14	14.31	19.32	12.59	15.47	14.37	12.4	14.37	15.13	14.75	15.00	13.40	16.30	13.97	12.14	13.45	14.91	13.27	14.15	16.83	16.11	14.20	15.35	15.80
OS-7R	Bedrock	36.47	12.41	12.28	12.85	11.99	13.62	12.65	8.52	12.65	13.07	13.30	12.91	12.85	13.67	12.51	12.04	12.67	13.00	12.25	12.29	13.30	13.55	12.56	12.55	12.86
OS-7D	Bedrock	68.00	9.2	9.31	10.59	8.85	11.41	10.25	8.52	10.25	10.53	11.29	10.71	9.85	12.05	9.16	8.66	9.73	10.37	8.94	7.84	10.56	11.02	9.45	9.35	10.85
OS-9	Overburden	20.50	3.7	4.95	3.95	3.3	4.53	3.85	3.43	3.85	4.20	4.33	4.05	4.00	4.63	3.77	3.38	3.86	4.11	3.56	3.60	4.33	4.60	3.89	3.85	4.04
OS-9R	Bedrock	43.81	38.73	39.13	37.82	39	36.25	40.17	40.31	40.17	37.31	42.11	35.21	36.00	35.01	37.24	35.56	36.70	36.18	36.31	35.50	34.50	33.20	32.41	32.75	36.85
OS-11R	Bedrock	44.40	21.68	24.25	22.74	21.73	24.6	22.08	20.17	22.08	23.50	23.49	22.00	22.61	24.07	22.10	21.06	22.14	23.31	21.40	21.32	23.60	24.15	21.75	21.72	22.90
OS-11D	Bedrock	75.47	20.22	22.49	22.11	20.25	22.95	21.65	19.58	21.65	22.32	23.00	22.38	21.10	23.85	20.72	19.84	20.75	22.00	20.00	19.94	21.87	22.47	20.46	20.45	22.17
OS-12R	Bedrock	33.05	9.5	9.5	9.82	9.12	10.25	9.6	9.31	9.6	9.87	10.11	9.73	9.81	10.36	9.60	9.31	9.62	10.04	9.36	9.22	9.85	10.20	9.45	9.43	9.71
OS-15R	Bedrock	49.40	16.66	16.75	17.1	17.2	18.4	17.1	16	17.1	17.95	17.65	17.26	17.37	18.40	17.22	16.50	17.13	17.90	16.72	16.55	17.61	18.10	16.68	16.91	17.30
OS-15D	Bedrock	82.00	12.4	11.92	12.25	12	13.2	12.4	12.11	12.4	12.67	12.98	12.46	12.40	13.22	12.45	11.72	12.30	12.77	12.20	12.00	12.75	13.03	12.55	12.70	12.70

	Well Type	Depth to Bottom (ft btoc)	Nov-12	Sep-12	Apr-12	Jan-12	Oct-11	Jul-11	Apr-11	Jan-11	Oct-10	Jul-10	Apr-10	Jan-10	Oct-09	Jul-09	Apr-09	Jan-09	Oct-08	Jul-08	Jan-08	Aug-07	Feb-07	Jul-06	Feb-06
On-Site Wells																									
W-2	Overburden	13.98	12.00	6.50	3.75	6.85	4.92	8.90	4.55	8.32	8.90	5.30	9.91	7.10	6.36	5.35	4.05	5.30	6.27	10.06	10.39	7.05	11.10	10.57	7.81
U-6D	Bedrock	26.23	9.34	9.49	8.46	6.09	7.23	7.43	3.67	7.68	7.00	7.75	4.55	6.56	6.09	5.87	5.45	5.22	6.82	6.66	6.67	6.76	6.66	5.67	6.26
MW-12	Overburden	14.45	Dry	11.80	8.60	11.16	11.65	10.36	10.37	Dry	Dry	13.30	10.80	13.10	11.20	11.65	7.15	7.13	8.25	Dry	Dry	Dry	Dry	Dry	11.58
MW-13	Overburden	15.56	Dry	Dry	15.05	Dry	Dry	14.42	14.50	Dry	Dry	Dry	15.30	Dry	15.30	Dry	10.71	10.80	12.30	Dry	Dry	Dry	Blocked	Blocked	Blocked
PW-2	Overburden	20.19	18.79	13.19	10.17	12.48	12.77	11.82	11.70	16.19	16.52	14.04	12.16	14.50	12.56	12.90	8.76	8.88	10.11	18.48	19.35	18.30	17.68	17.20	13.18
OW-1	Bedrock	35.30	20.48	15.13	11.23	15.05	14.53	14.63	13.48	17.99	18.26	14.70	13.79	16.35	15.37	15.61	9.71	9.63	11.05	20.88	22.10	20.72	19.78	19.43	14.94
OW-2	Bedrock	32.87	18.51	12.96	9.73	12.17	12.60	12.45	11.38	15.92	16.22	13.03	11.75	14.30	12.01	12.57	8.43	8.38	9.61	18.60	19.81	18.29	17.42	17.07	12.55
RI-6	Overburden	23.60	16.07	11.43	12.60	10.18	10.06	11.61	9.38	13.67	13.70	12.35	11.85	11.40	15.05	10.19	8.10	8.00	9.64	12.78	12.55	12.79	11.31	13.05	8.67
Off-Site Wells																									
OS-2R	Bedrock	46.37	19.97	19.80	17.34	16.83	16.87	17.85	14.55	19.33	18.73	19.90	15.05	17.19	17.42	17.85*	15.17	15.34	16.49	18.50	17.51	18.74	19.94	17.26	14.29
OS-5R	Bedrock	38.31	11.87	10.71	10.00	9.62	9.30	11.01	7.45	NA	11.74	11.45	10.35	10.02	10.65	10.25*	8.86	8.91	10.22	11.43	11.80	12.29	13.14	12.88	7.05
OS-5D	Bedrock	74.78	18.80	16.35	17.45	14.65	14.00	16.14	12.30	16.54	16.96	17.00	15.71	15.63	16.46	13.61	14.23	16.91	14.60	16.85	14.95	17.26	15.40	18.21	11.87
OS-6	Overburden	23.65	16.40	12.30	11.06	10.42	10.61	12.04	7.04	12.86	12.80	13.06	11.61	11.82	12.32	10.21	8.90	12.05	11.31	13.35	12.15	13.30	12.16	11.61	8.37
OS-6R	Bedrock	43.30	15.90	14.55	12.87	14.49	12.67	13.90	10.12	14.22	14.61	14.65	13.20	14.30	13.84	12.01	11.94	11.60	12.96	14.17	12.99	14.42	14.80	16.40	11.32
OS-7R	Bedrock	36.47	15.80	12.92	12.55	12.45	12.08	12.93	10.10	13.10	13.03	13.25	11.19	12.49	12.63	12.7*	11.71	12.19	12.87	12.75	11.82	12.38	12.19	11.51	10.38
OS-7D	Bedrock	68.00	13.10	10.62	9.50	9.11	8.61	10.46	6.71	10.53	10.35	9.43	7.22	9.17	9.50	8.65	7.87	8.08	9.50	10.12	8.62	10.28	9.50	11.28	6.24
OS-9	Overburden	20.50	6.90	4.11	3.87	3.89	3.52	4.18	2.21	4.30	4.30	4.32	3.00	3.89	3.50	3.50	3.37	3.76	4.18	4.06	3.48	3.76	3.66	3.26	2.50
OS-9R	Bedrock	43.81	35.60	31.03	31.77	31.58	30.96	31.01	16.72	30.25	24.62	21.96	15.53	22.98	19.35	18.15	15.57	13.26	13.76	4.82	4.90	5.42	3.50	4.89	2.99
OS-11R	Bedrock	44.40	25.90	22.92	22.01	21.35	21.63	22.68	18.53	23.48	23.51	23.11	19.67	22.42	22.84	21.31	21.02	21.16	24.73	22.89	22.35	23.00	22.15	21.89	19.52
OS-11D	Bedrock	75.47	24.41	22.30	20.74	20.46	21.90	21.90	18.00	21.81	24.40	22.03	18.80	20.80	21.20	20.00	19.52	19.58	20.80	21.93	20.77	22.02	20.74	20.70	18.90
OS-12R	Bedrock	33.05	12.58	9.82	9.80	9.65	9.22	9.92	8.70	10.10	12.54	12.67	11.45	9.75	9.87	9.29	9.37	11.94	9.81	9.28	9.30	9.19	9.02	9.23	10.08
OS-15R	Bedrock	49.40	20.30	17.61	17.17	16.90	16.35	16.70	15.02	17.43	17.42	17.51	15.32	16.62	17.12	16.28	16.12	16.18	16.87	16.60	15.51	15.71	15.21	15.30	14.70
OS-15D	Bedrock	82.00	15.45	12.95	12.75	12.55	12.41	12.70	10.99	13.00	13.27	13.11	11.52	12.76	12.80	12.28	12.08	12.35	12.92	12.76	12.00	12.10	12.10	11.80	11.50

NOTES:

1. Results are in feet below top of casing.

2.

TABLE 3
XEROX CORPORATION - BLAUVELT NEW YORK
SUMMARY OF MONTHLY ON-SITE GROUNDWATER TREATMENT SYSTEM DATA

Date	Influent (Total Target VOCs - Method 601/602)	Effluent (Total Target VOCs - Method 601/602)
Dec-18	40.8	ND
Nov-18	34	ND
Oct-18	46.3	0.682
Sep-18	33	0.43
Aug-18	32	0.32
Jul-18	32	0.321
Jun-18	34	ND
May-18	Lab Error- No results	Lab Error- No results
Apr-18	39	1.18
Mar-18	48	ND
Feb-18	22	ND
Jan-18	14	ND
Dec-17	13	ND
Nov-17	14	ND
Oct-17	18	ND
Sep-17	29	ND
Aug-17	31	ND
Jul-17	35	ND
Jun-17	39	ND
May-17	46	ND
Apr-17	54	ND
Mar-17	54	ND
Feb-17	41	ND
Jan-17	65	ND
Dec-16	34	ND
Nov-16	58	ND
Oct-16	27	ND
Sep-16	56	ND
Aug-16	40	ND
Jul-16	35	ND
Jun-16	44	ND
May-16	65	2.4
Apr-16	27	ND
Mar-16	Samples Lost	Samples Lost
Feb-16	51	ND
Jan-16	66	ND
Dec-15	58	ND
Nov-15	42	ND
Oct-15	44	ND
Sep-15	26	1.6
Aug-15	30	2
Jul-15	37	1.1
Jun-15	62	10
May-15	32	5.7
Apr-15	33	3.3
Mar-15	73	1.7
Feb-15	22	ND
Jan-15	63	ND
Dec-14	84	ND
Nov-14	Down	Down
Oct-14	Down	Down

Notes

- Results are in parts per billion (ppb).
- ND = Non-detect.
- Down = System down and samples not collected.
- Items in **BOLD** type indicate levels
 >= best management practices discharge limit of 10 ppb.
- March 2016 samples were lost by the shipping carrier.
 May 2018, no analytical results due to laboratory error with samples

Date	Influent (Total Target VOCs - Method 601/602)	Effluent (Total Target VOCs - Method 601/602)
Sep-14	Down	Down
Aug-14	Down	Down
Jul-14	Down	Down
Jun-14	Down	Down
May-14	47	ND
Apr-14	49	ND
Mar-14	45	ND
Feb-14	38	ND
Jan-14	26	ND
Dec-13	23	ND
Nov-13	17	ND
Oct-13	47	ND
Sep-13	38	ND
Aug-13	62	ND
Jul-13	52	ND
Jun-13	53	ND
May-13	76	ND
Apr-13	64	ND
Mar-13	148	ND
Feb-13	46	ND
Jan-13	45	ND
Dec-12	54	ND
Nov-12	69	ND
Oct-12	70	ND
Sep-12	101	ND
Aug-12	135	ND
Jul-12	Down	Down
Jun-12	Down	Down
May-12	Down	Down
Apr-12	Down	Down
Mar-12	78	ND
Feb-12	69	ND
Jan-12	80	7
Dec-11	80	ND
Nov-11	71	ND
Oct-11	46	ND
Sep-11	53	ND
Aug-11	46	ND
Jul-11	63	ND
Jun-11	52	ND
May-11	62	ND
Apr-11	72	ND
Mar-11	163	ND
Feb-11	49	ND
Jan-11	70	ND
Dec-10	58	ND
Nov-10	54	ND
Oct-10	5	ND
Sep-10	101	ND
Aug-10	57	ND
Jul-10	74	ND
Jun-10	67	ND
May-10	68	ND
Apr-10	64	ND
Mar-10	54	ND
Feb-10	43	ND
Jan-10	66	ND

TABLE 4 XEROX CORPORATION - BLAUVELT, NEW YORK SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL DATA TOTAL TARGET VOLATILE ORGANIC COMPOUNDS - METHOD 8021B																									
	Well Type	Dec-18	Sep-18	Jun & Jul-18	Mar-18	Dec-17	Jul-17	Jun-17	Jan-17	Dec-16	Jul-16	Jun-16	Jan-16	Oct-15	Jul-15	Apr-15	Jan-15	Oct-14	Jul-14	Apr-14	Jan-14	Oct-13	Jul-13	Apr-13	Jan-13
On-Site Wells																									
W-2	Overburden	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	1	2
U-6D	Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	ND	ND	1
MW-12	Overburden	670	ND	2200	DRY	DRY	1200	1600	630	Dry	3,700	5,600	5,300	8,700	14,000	12,000	16,000	10,205	2,000	2,500	Dry	Dry	6,000	7,200	Dry
MW-13	Overburden	DRY	DRY	DRY	DRY	DRY	DRY	DRY	49	Dry	Dry	Dry	Dry	Dry	Dry	30	Dry	782	392	Dry	Dry	Dry	Dry	Dry	Dry
PW-2	Overburden	194	225.7	177	92.9	58	254	195.3	186	131	821	792	2,020	3,000	3,100	2,400	2,300	3,640	2,108	272	184	485	1,310	1,133	1,474
OW-1	Bedrock	9.3	8	17	ND	18	ND	ND	ND	5	ND	ND	ND	ND	ND	6	9	40	107	29	15	ND	ND	2	2
OW-2	Bedrock	9.7	24.3	7.9	ND	10	54.5	52.7	100	64	130	73	120	82	ND	53	103	269	399	36	26	53	26	134	62
RI-6	Overburden	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Off-Site Wells																									
OS-2R	Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	7	24	23	ND	15	24	105	51	5	ND	ND	5	13	23
OS-5R	Bedrock	ND	ND	ND	ND	No Access	ND	5.6	15	11	37	19	Blocked	28	29	32	NS	49	24	8	ND	8	8	22	29
OS-5D	Bedrock	ND	ND	ND	ND	ND	ND	ND	6	6	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	12	25
OS-6	Overburden	ND	ND	ND	ND	14	8	8.3	10	19	35	35	16	29	ND	8	23	30	8	ND	18	18	19	30	36
OS-6R	Bedrock	45	63.6	47	58	55	67	77.7	60	64	53	92	61	64	84	84	78	90	65	91	60	65	74	89	96
OS-7R	Bedrock	ND	ND	ND	ND	ND	ND	ND	5	ND	7	8	9	6	ND	ND	6	8	ND	ND	ND	ND	ND	8	13
OS-7D	Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
OS-9	Overburden	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	5
OS-9R	Bedrock	DRY	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OS-11R	Bedrock	11.5	13.4	11.5	13.7	25	11.7	16.1	19	24	17	15	24	13	19	7	13	21	7	8	23	24	15	21	25
OS-11D	Bedrock	ND	ND	11.5	ND	ND	13	ND	ND	ND	17	14	11	24	13	ND	ND	15	ND	ND	ND	ND	ND	6	6
OS-12R	Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	3
OS-15R	Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	1
OS-15D	Bedrock	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	1
Total VOCs		939.5	335	2471.9	164.6	180	1,608	1,956	1,080	324	4,844	6,654	7,584	11,970	17,244	14,635	18,562	15,265	5,162	2,948	327	652	7,462	8,679	1,803

	Well Type	Nov-12	Sep-12	Apr-12	Jan-12	Oct-11	Jul-11	Apr-11	Jan-11	Oct-10	Jul-10	Apr-10	Jan-10	Oct-09	Jul-09	Apr-09	Jan-09	Oct-08	Jul-08	Jan-08	Aug-07	Feb-07	Jul-06	Feb-06
On-Site Wells																								
W-2	Overburden	ND	4	1	ND	2	4	3	1	2	5	6	4	6	11	5	5	7	5	5	8	1	57	25
U-6D	Bedrock	1	ND	ND	ND	ND	ND	8	ND	ND	ND	ND	1	4	ND	ND	ND	ND	ND	ND	ND	ND	2	2
MW-12	Overburden	NS	24,820	13,000	9,311	2,740	1,864	2,008	NS	NS	1,361	3,024	2,983	4,720	11,140	7,490	2,600	759	--	--	--	--	--	1,348
MW-13	Overburden	NS	NS	801	NS	NS	2,726	1,132	NS	NS	NS	NS	NS	NS	NS	1,854	2,500	1,556	--	--	--	--	--	--
PW-2	Overburden	2,829	4,930	4,767	2,037	1,001	1,173	1,240	592	790	986	1,297	1,327	6,014	9,220	12,850	9,700	3,614	3,409	2,019	2,660	2,788	3,310	2,682
OW-1	Bedrock	9	54	17	23	4	23	52	22	14	1	30	24	2	35	134	670	72	113	155	17	31	41	59
OW-2	Bedrock	79	439	111	126	136	5	104	109	120	11	75	71	86	399	1,218	560	879	318	100	107	225	240	169
RI-6	Overburden	3	6	2	2	2	3	6	1	1	4	3	6	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Off-Site Wells																								
OS-2R	Bedrock	36	112	69	27	12	10	23	18	13	15	15	24	30	42.9	149	98	55	17	23	15	23	22	42
OS-5R	Bedrock	38	76	40	25	11	7	19		7	14	23	30	41	51.7	117	84	57	20	18	24	30	22	41
OS-5D	Bedrock	ND	31	3	11	7	7	6	8	11	12	14	17	3	40	6	8	18	8	10	11	15	13	25
OS-6	Overburden	46	39	14	13	10	20	3	22	24	31	13	38	36	19	14	12	19	22	22	21	20	15	8
OS-6R	Bedrock	96	103	87	81	73	125	152	131	74	61	101	117	9	189	170	190	97	146	117	136	178	159	204
OS-7R	Bedrock	13	15	6	5	3	3	5	5	5	7	6	12	ND	13	12	10	8	3	3	3	4	1	3
OS-7D	Bedrock	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	1	ND	1	1	1
OS-9	Overburden	5	2	1	3	ND	ND	2	1	ND	ND	ND	3	4	2	4	3	3	ND	ND	ND	ND	ND	ND
OS-9R	Bedrock	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	1	1	ND	1	ND	1	ND	ND	ND	ND	ND	ND	ND
OS-11R	Bedrock	27	22	19	16	19	19	21	33	28	23	23	40	32	31	32	40	32	29	34	29	44	34	33
OS-11D	Bedrock	11	26	11	6	5	11	13	17	14	28	27	16	22	29	28	13	17	18	17	23	20	52	79
OS-12R	Bedrock	ND	1	ND	ND	ND	ND	1	ND	ND	1	1	ND	191	ND	ND	ND	ND	1	5	4	3	6	3
OS-15R	Bedrock	2	2	ND	1	1	ND	3	2	2	1	2	5	1	2	1	2	2	1	3	3	3	4	5
OS-15D	Bedrock	4	5	ND	ND	ND	ND	2	ND	1	ND	ND	3	2	1	ND	1	ND	ND	ND	ND	ND	2	4
Total VOCs		3,200	30,688	18,949	11,687	4,026	6,000	4,809	962	1,106	2,561	4,661	4,722	11,204	21,228	24,084	16,497	7,195	4,110	2,532	3,061	3,386	3,981	4,733

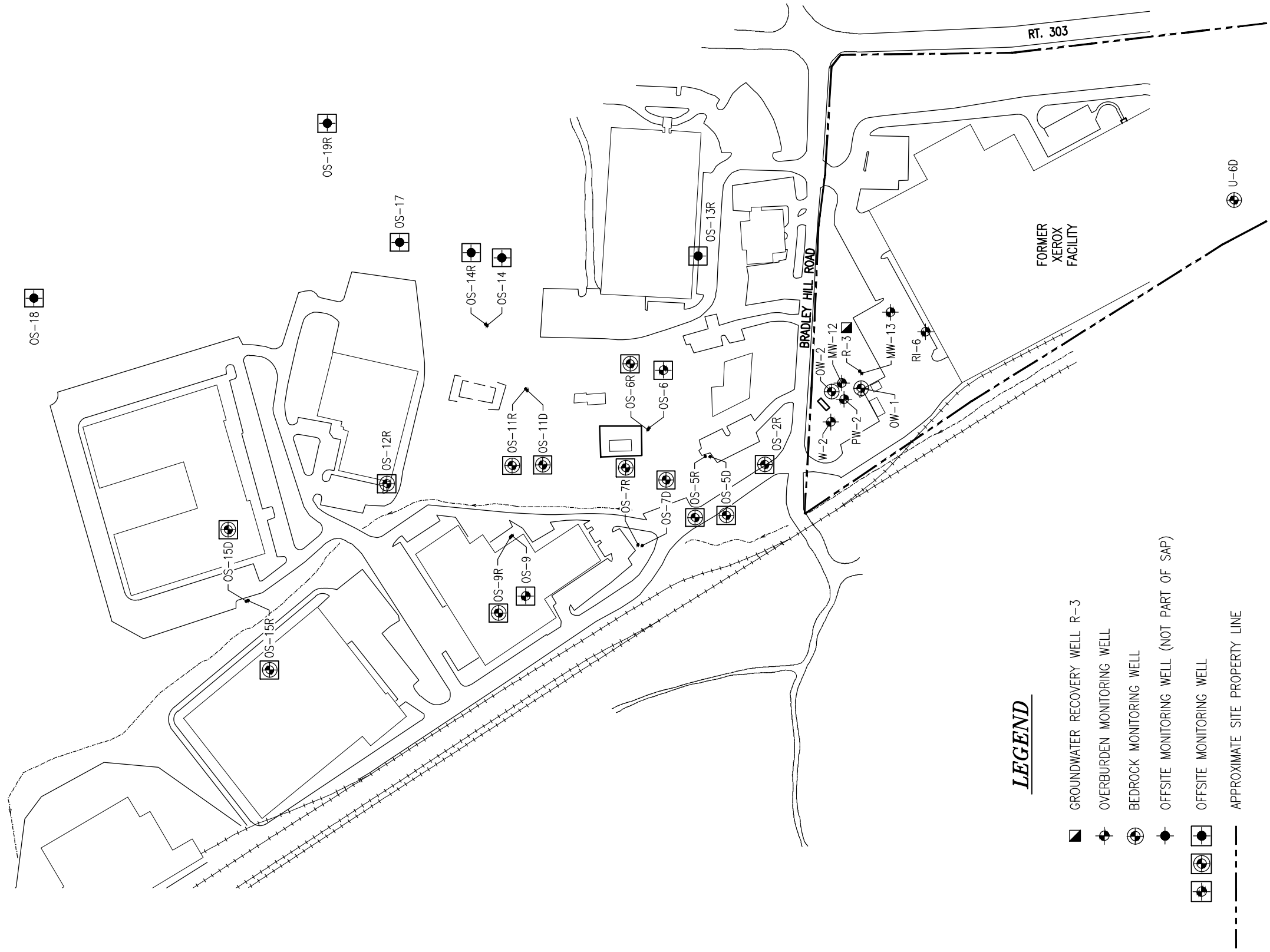
NOTES:

- Results are in parts per billion (ppb).
- ND= Non-Detect.
- NS = Not Sampled.
- Rebound Event initiated August 1, 2008. System restarted June 23, 2009.
- * = Samples from wells OS-2R, OS-5R and OS-7R were collected on 14 September 2009. Water level readings could not be collected from these wells during the scheduled July sampling event due to water level monitoring instruments installed in the wells during the groundwater treatment plant step test.
- Dry = Well was dry, not sampled.



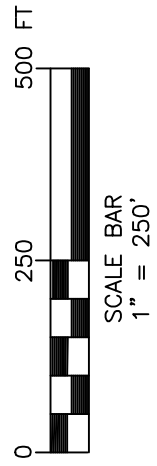
FIGURES

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\3.8 Reports\Blauvelt\2017 Annual PRR Report - Blauvelt\FIGURES\Figure 1.dwg



LEGEND

- GROUNDWATER RECOVERY WELL R-3
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- OFFSITE MONITORING WELL (NOT PART OF SAP)
- OFFSITE MONITORING WELL
- APPROXIMATE SITE PROPERTY LINE



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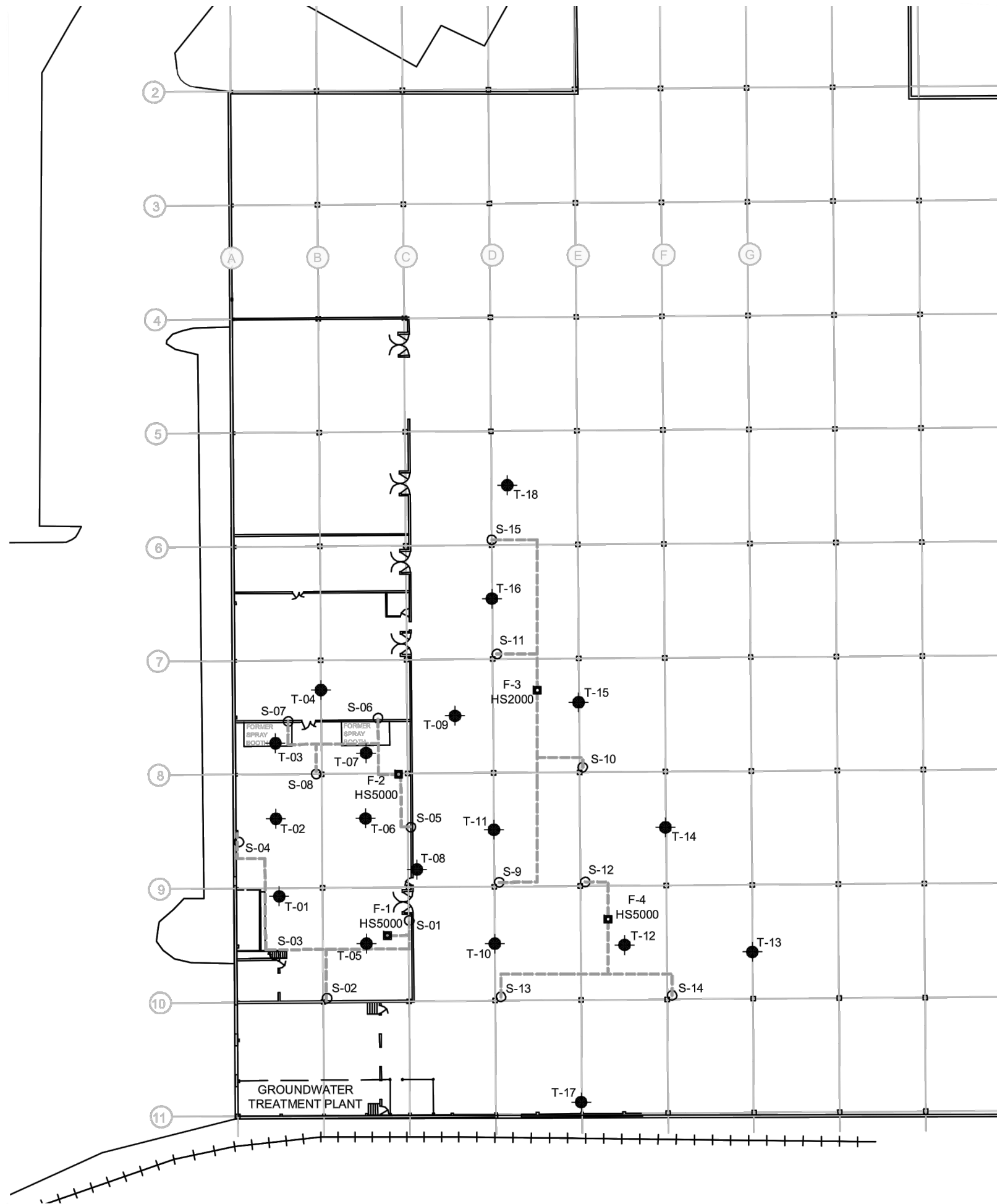
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Date Issued: 03/05/2018	Scale: 1" = 250'
Project Number: 6173.06	

MONITORING WELL LOCATIONS

Drawing Number:
FIG-1

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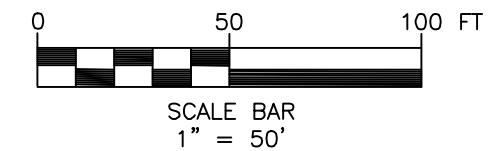
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LEGEND

-  APPROXIMATE LOCATION OF SUB-SLAB DEPRESSURIZATION SUCTION POINTS
-  T-01 APPROXIMATE LOCATION OF SUB-SLAB DEPRESSURIZATION VACUUM MONITORING POINTS
-  APPROXIMATE LOCATION OF SUB-SLAB DEPRESSURIZATION SYSTEM PIPING



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Project Number: 6173.06	

SUB-SLAB DEPRESSURIZATION SYSTEM SITE PLAN

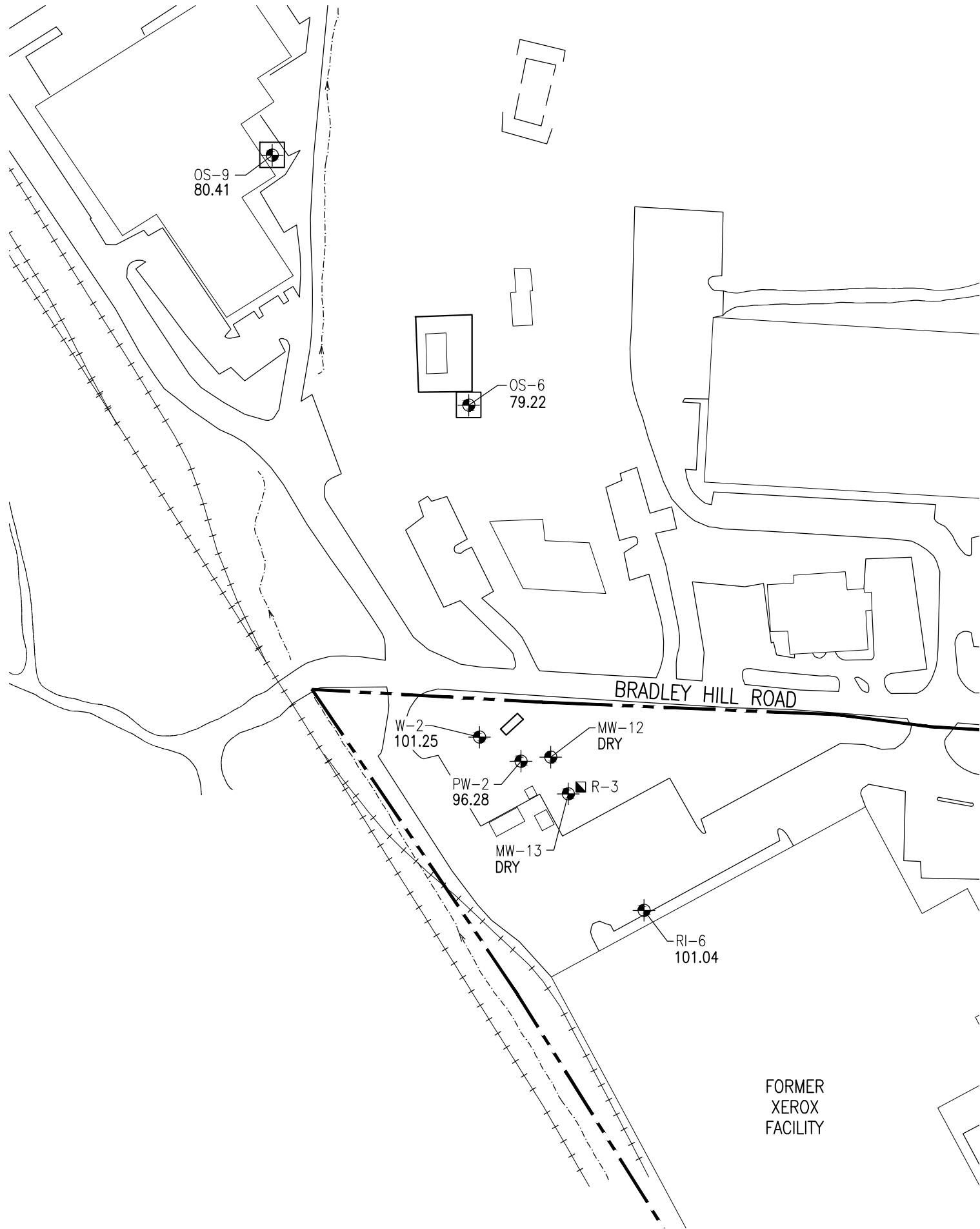
Drawing Number:

FIG-2



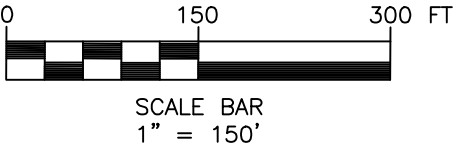
QUARTERLY FIGURES – MARCH 2018

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blauvett\2018 Annual PRR Report - Blauvett\Figures\March 2018\Figure 3A.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE



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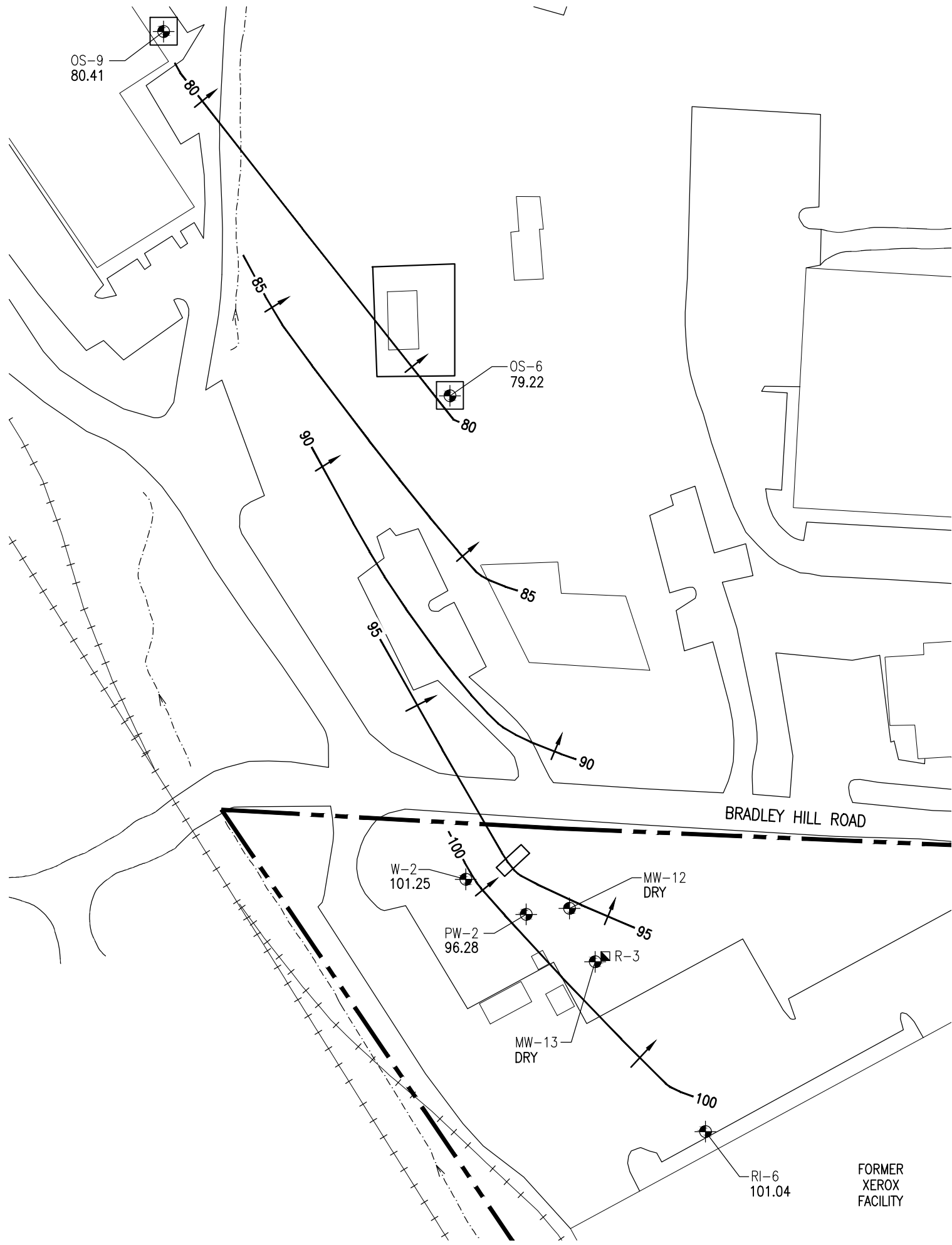
Project Manager: A. CHEREMETEFF	Checked By: S. DEMEO
Designed By:	Drawn By: C. WOOD
Date Issued: 03/04/2019	Scale: 1" = 150'
Project Number: 6173.06	

**MARCH 8-9, 2018
ELEVATION
POSTING MAP
(OVERBURDEN)**

Drawing Number:

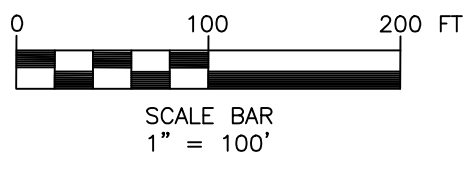
FIG-3A

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\3.8 Reports\Blauvelt\2018 Annual PRR Report - Blauvelt\Figures\March 2018\Figure 3B.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 5' INTERVAL
- GROUNDWATER FLOW DIRECTION



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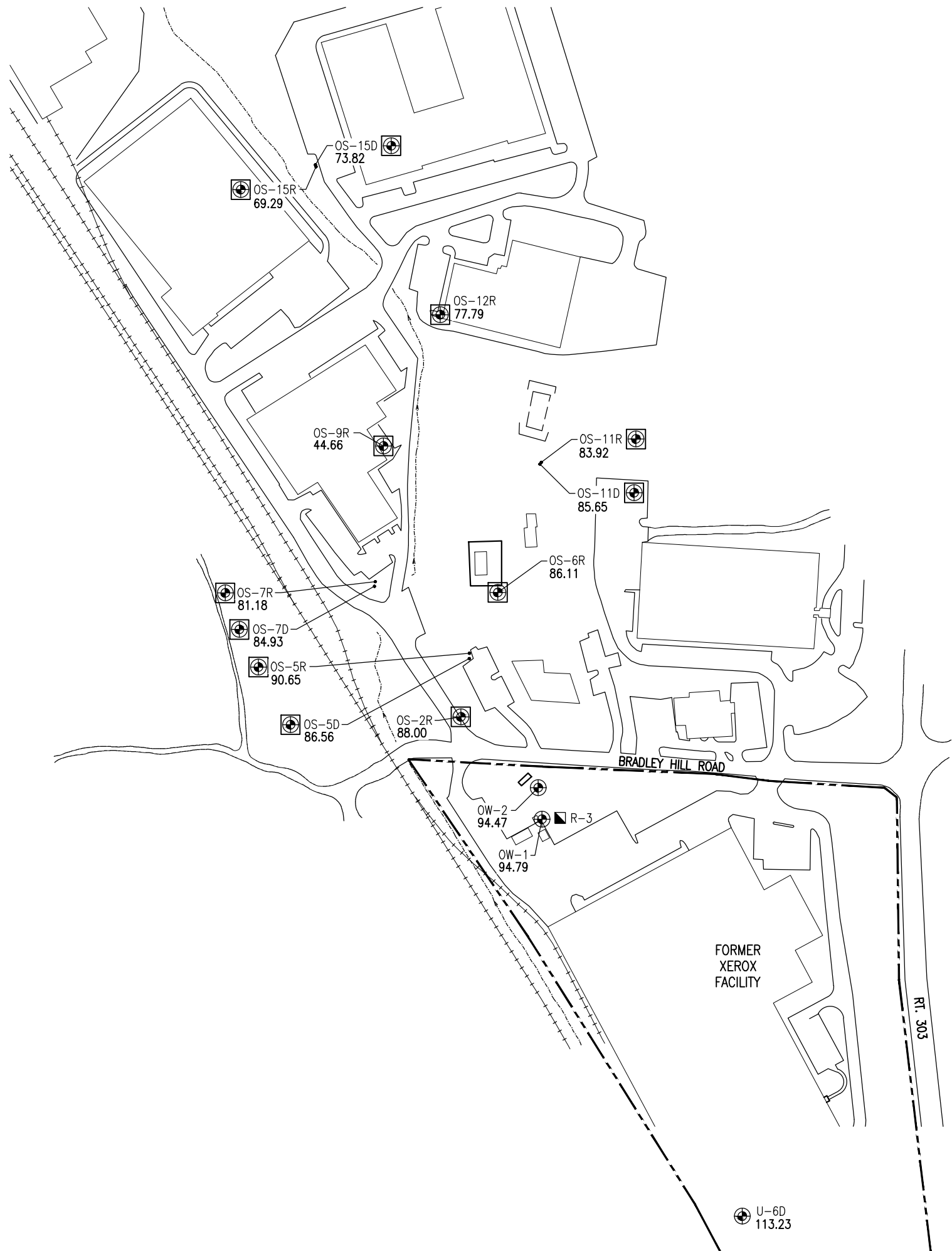
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Drawn By: C. WOOD
Date Issued: 03/04/2019
Project Number: 6173.06
Scale: 1" = 100'

**MARCH 8-9, 2018
WATER TABLE
MAP
(OVERBURDEN)**

Drawing Number:
FIG-3B

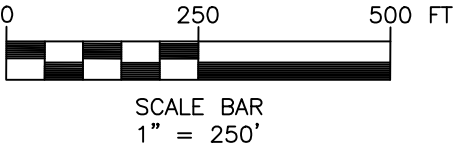
i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blauvett\2018 Reports\Blauvett\2018 Annual PRR Report - Blauvett\Figures\March 2018\March Figure 4A.dwg



LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3

APPROXIMATE SITE PROPERTY LINE



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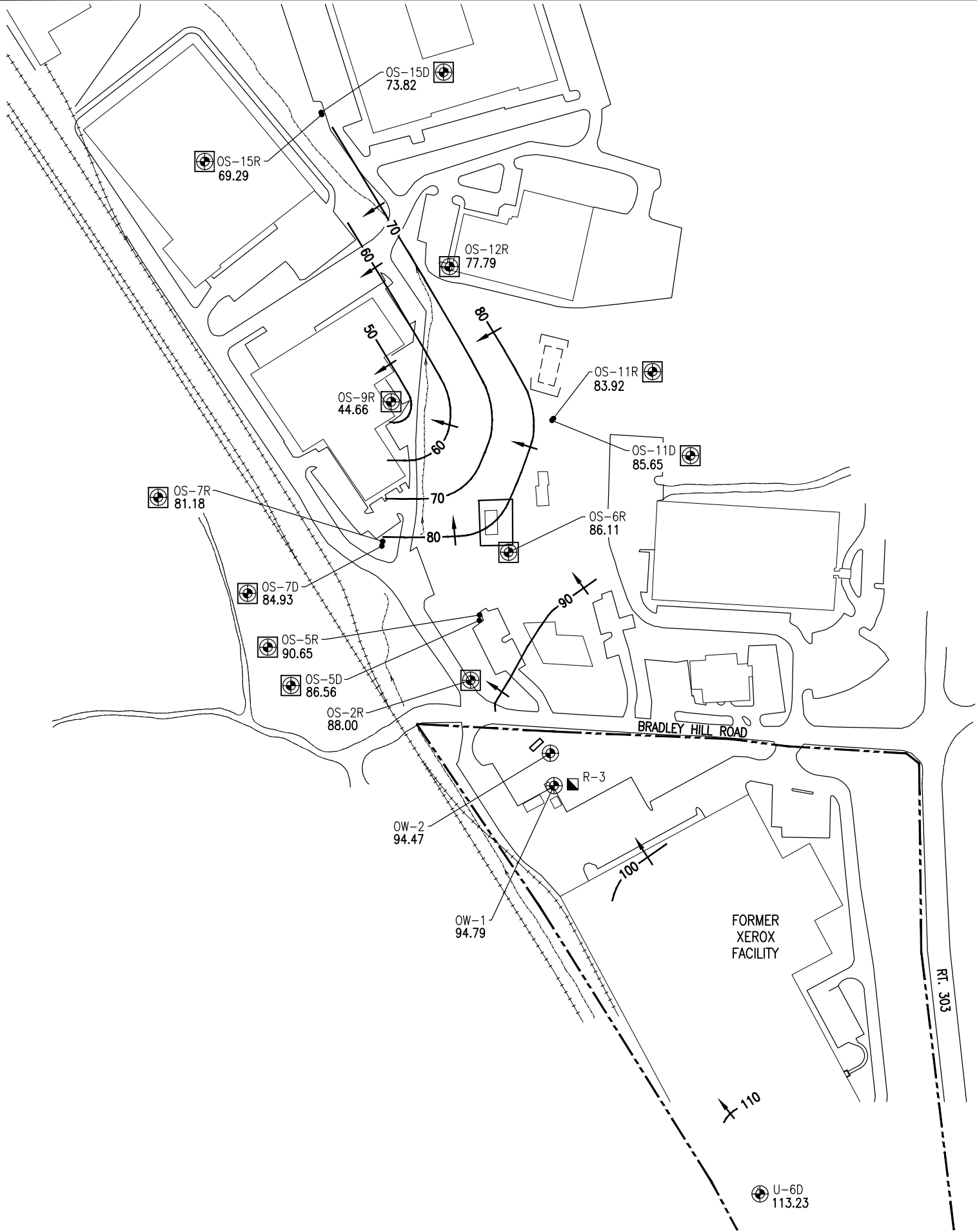
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Project Number: 6173.06	

**MARCH 8-9, 2018
ELEVATION
POSTING MAP
(BEDROCK)**

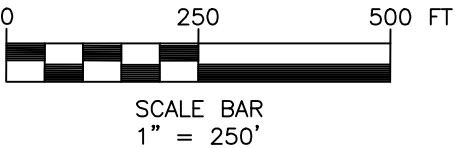
Drawing Number:
FIG-4A

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blaupelt\2018 Reports\Blaupelt\2018 Annual PRR Report - Blaupelt\Figures\March 2018\Figure 4B.dwg



LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 10' INTERVAL
- GROUNDWATER FLOW DIRECTION



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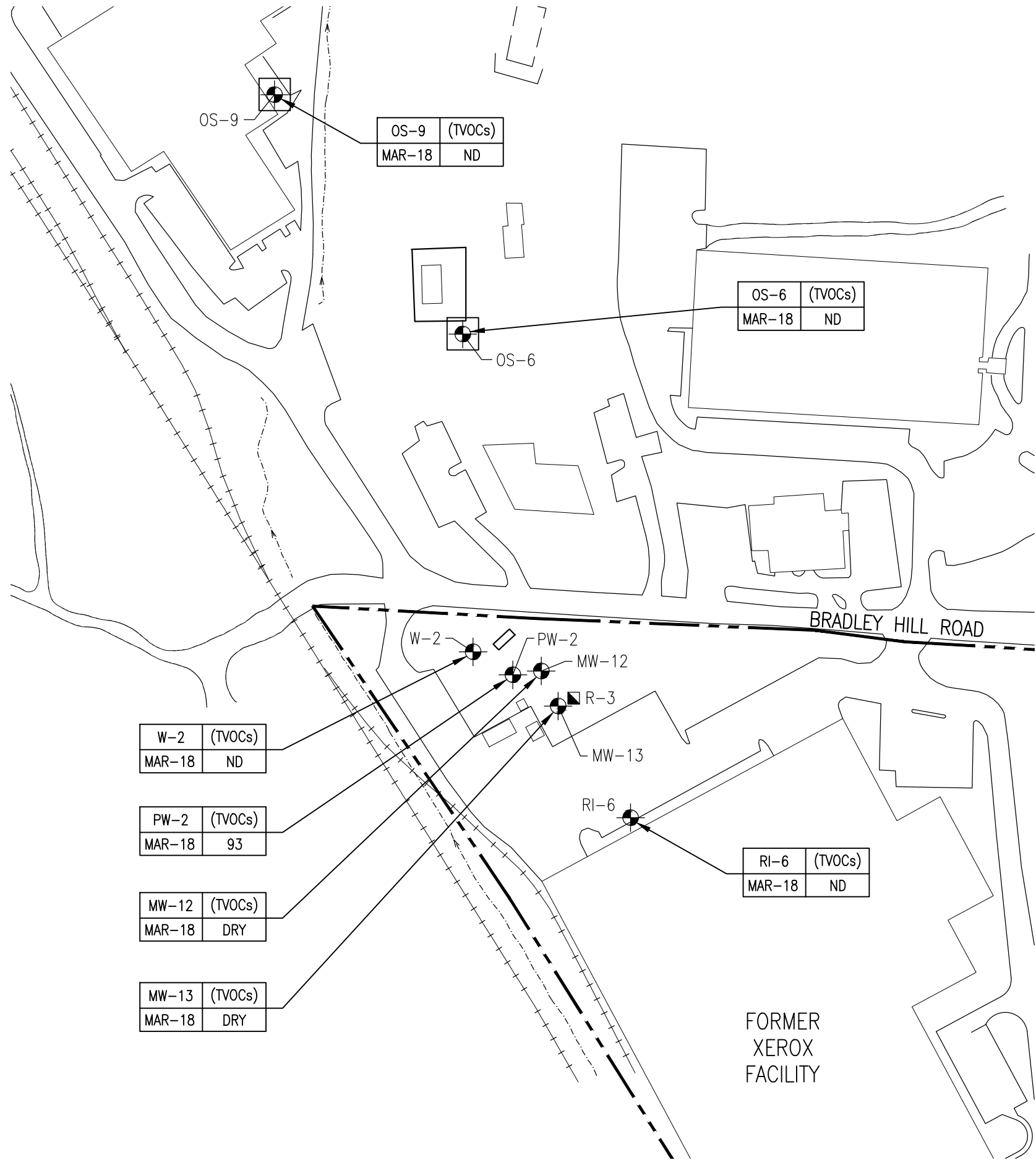
Project Number:
6173.06

MARCH 8-9, 2018 WATER TABLE MAP (BEDROCK)

Drawing Number:

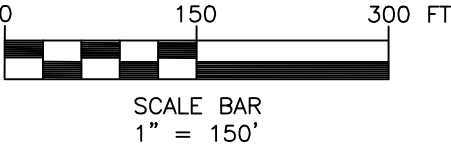
FIG-4B

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\3.8 Reports\Blauvelt\2018 Annual PRR Report - Blauvelt\Figures\March 2018\March Figure 5.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs: TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS MICROGRAMS PER LITER (UG/L)=PPB



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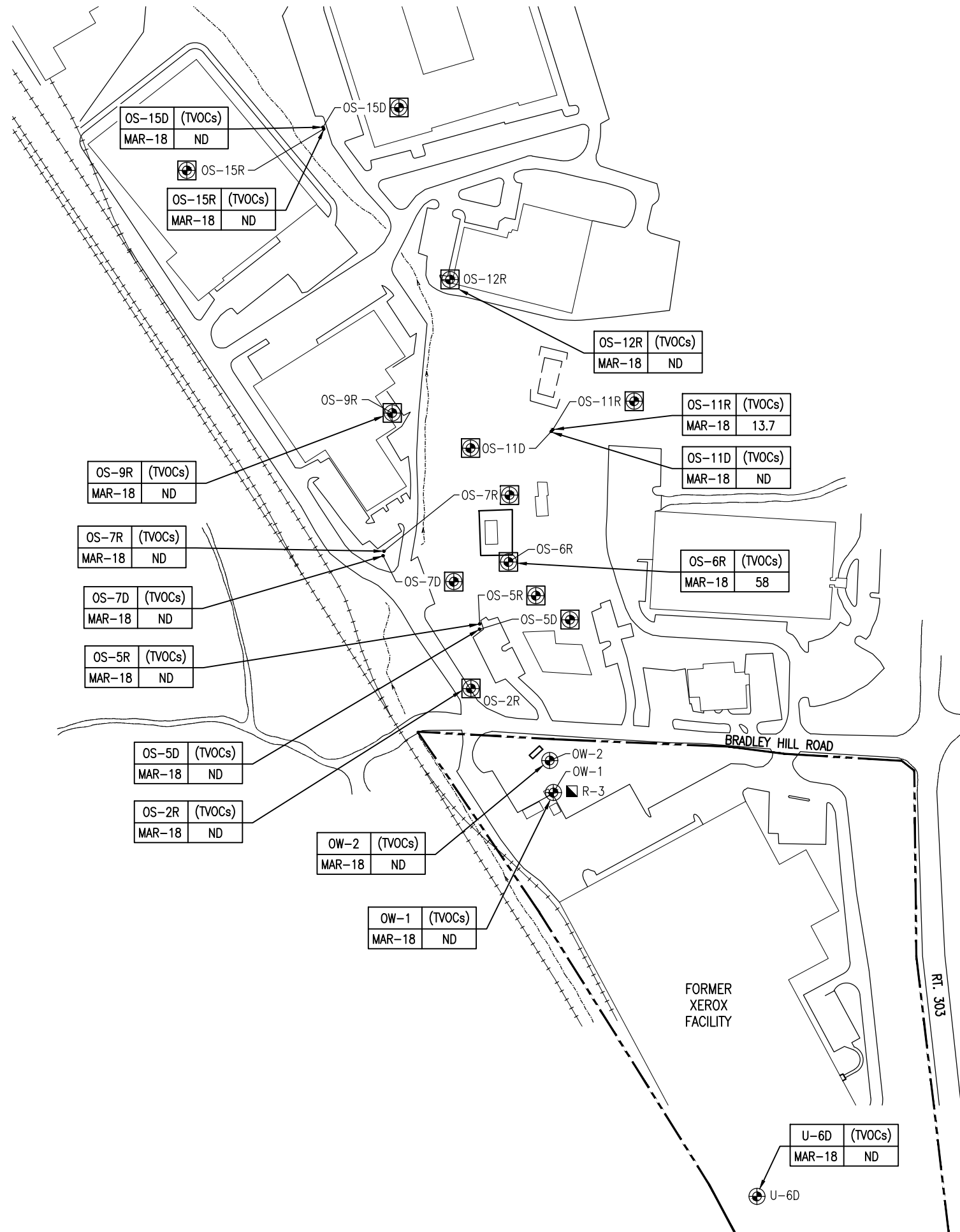
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Checked By: S. DEMEO
Designed By: C. WOOD
Drawn By: C. WOOD
Date Issued: 03/04/2019
Scale: 1" = 150'
Project Number: 6173.06

**MARCH 8-9, 2018
DISTRIBUTION OF
GROUNDWATER
ANALYTICAL RESULTS
IN MONITORING WELLS
(OVERBURDEN)**

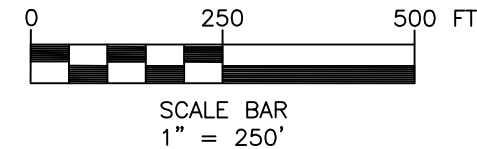
Drawing Number:
FIG-5

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\3.8 Reports\Blauvelt\2018 Annual PRR Report - Blauvelt\Figures\March 2018\Figure 6.dwg



LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs
TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS
MICROGRAMS PER LITER (UG/L)=PPB



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Designed By:	Drawn By: C. WOOD
Date Issued: 03/04/2019	Scale: 1" = 250'
Project Number: 6173.06	

MARCH 8-9, 2018 DISTRIBUTION OF GROUNDWATER ANALYTICAL RESULTS IN MONITORING WELLS (BEDROCK)

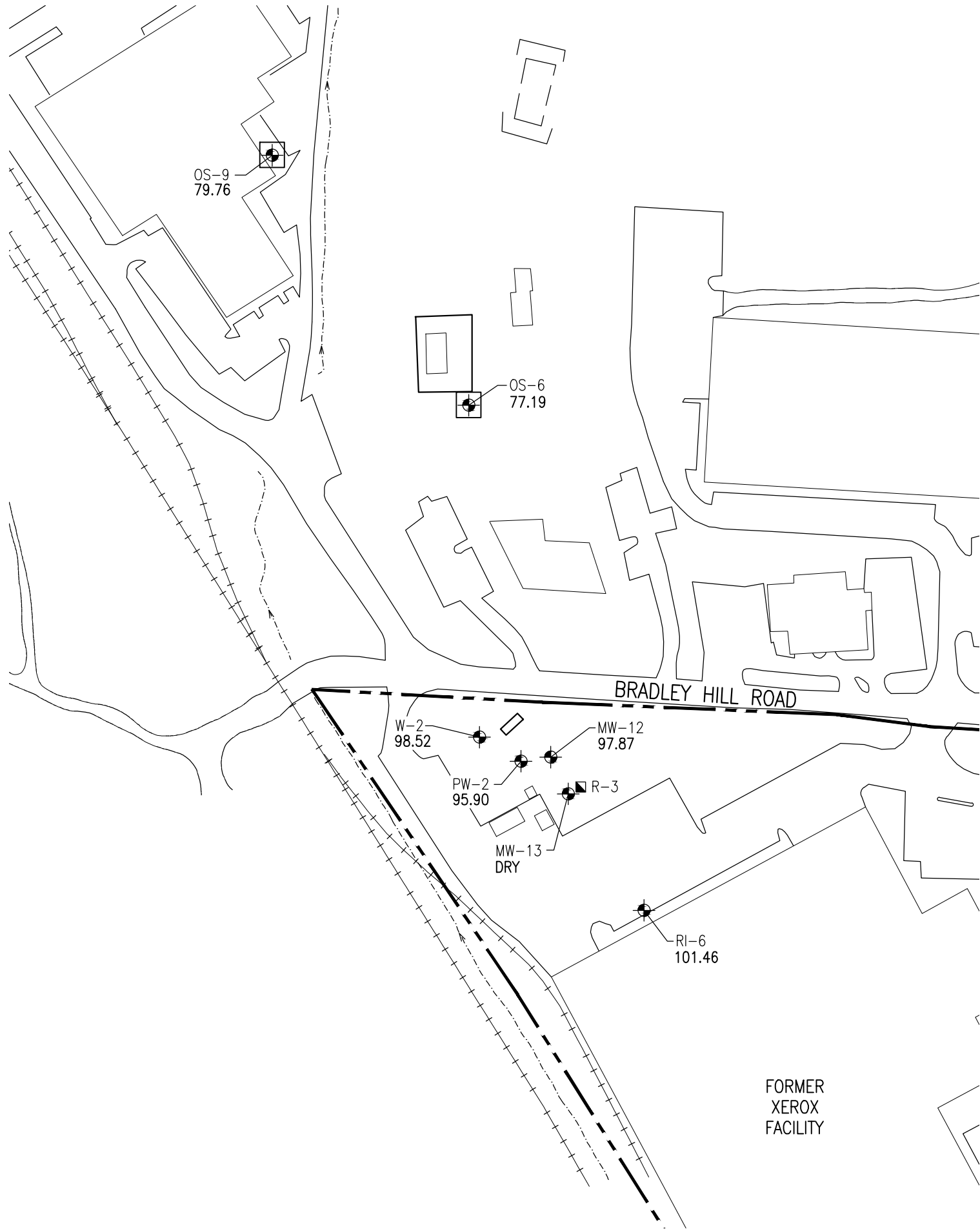
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FIG-6



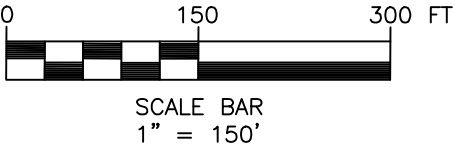
QUARTERLY FIGURES – JUNE & JULY 2018

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blaupunkt\2018 Annual PRR Report - Blaupunkt\Figures\June 2018\June Figure 3A.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE



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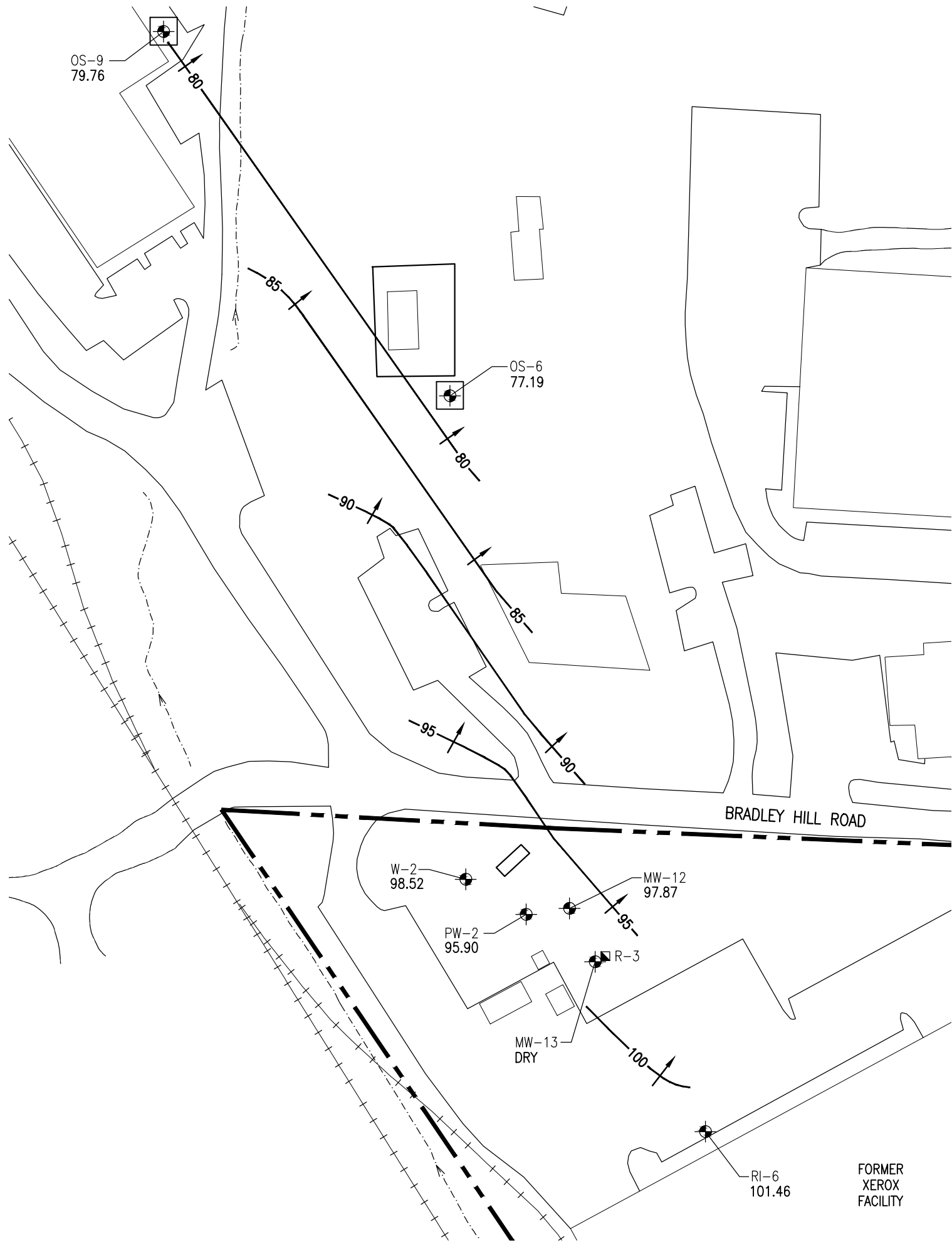
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Date Issued: 03/14/2019
Project Number: 6173.06
Checked By: S. DEMEO
Drawn By: C. WOOD
Scale: 1" = 150'

**JUNE 28-29, 2018
ELEVATION
POSTING MAP
(OVERBURDEN)**

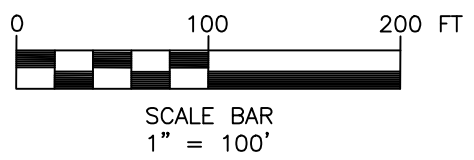
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FIG-3A

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LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 5' INTERVAL
- GROUNDWATER FLOW DIRECTION



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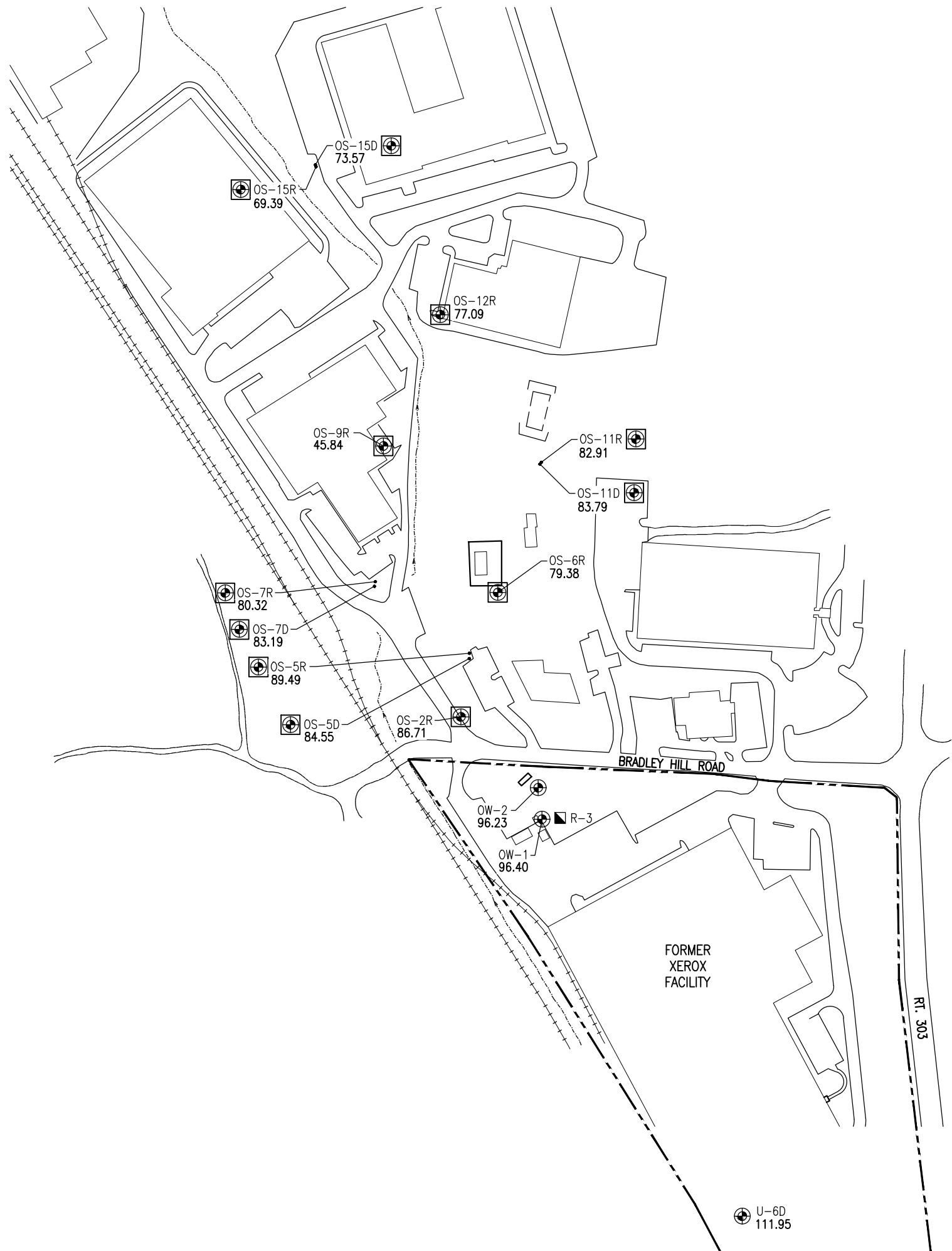
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Project Number: 6173.06
Checked By: S. DEMEO
Drawn By: C. WOOD
Scale: 1" = 100'

**JUNE 28-29, 2018
WATER TABLE
MAP
(OVERBURDEN)**

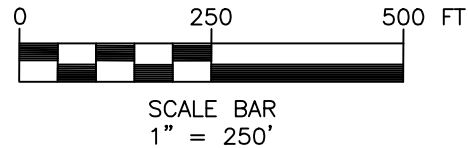
FIG-3B

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LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE



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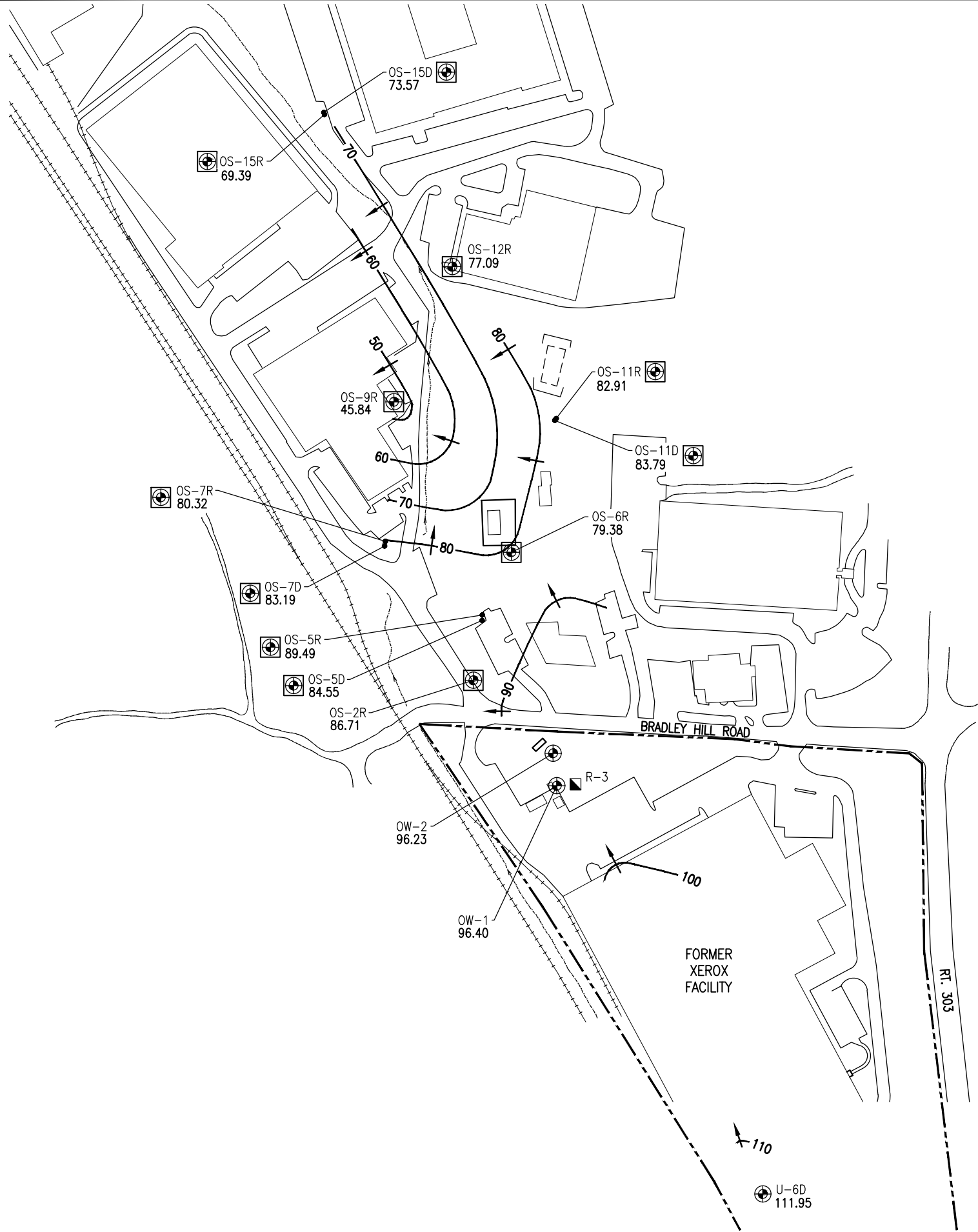
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Drawn By: C. WOOD
Date Issued: 03/14/2019
Project Number: 6173.06
Scale: 1" = 250'

**JUNE 28-29, 2018
& JULY 10, 2018
ELEVATION
POSTING MAP
(BEDROCK)**

Drawing Number:
FIG-4A

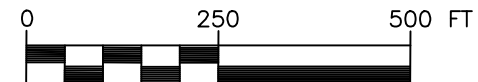
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LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3

- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 10' INTERVAL
- GROUNDWATER FLOW DIRECTION



SCALE BAR
1" = 250'

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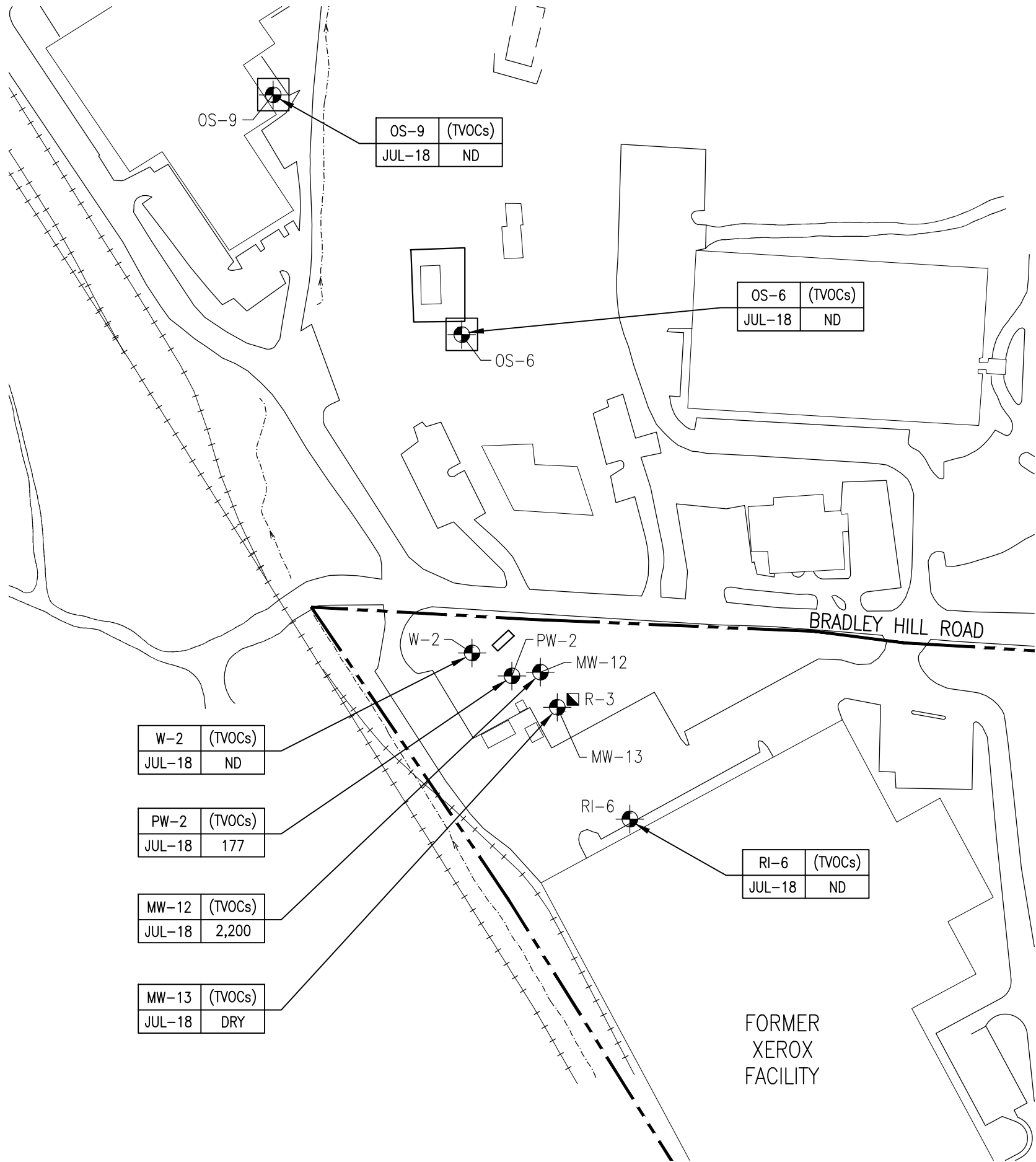
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JUNE 28-29, 2018
WATER TABLE
MAP
(BEDROCK)

Drawing Number:

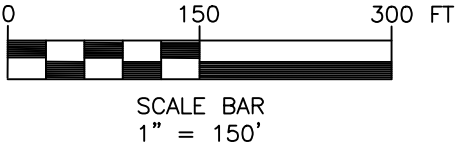
FIG-4B

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LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs
TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS
MICROGRAMS PER LITER (UG/L)=PPB



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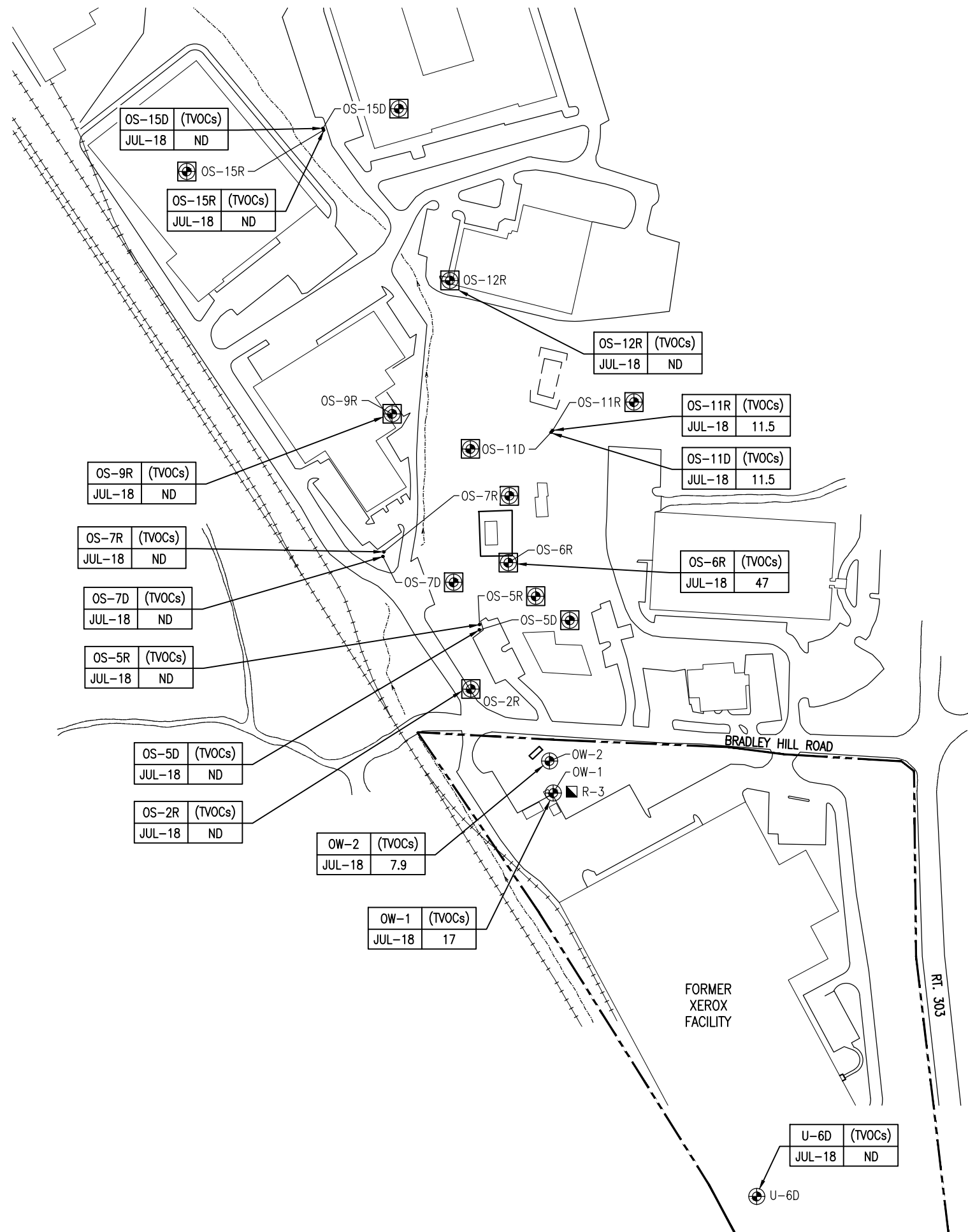
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Designed By:	Drawn By: C. WOOD
Date Issued: 03/14/2019	Scale: 1" = 150'
Project Number: 6173.06	

**JUNE 28-29, 2018
DISTRIBUTION OF
GROUNDWATER
ANALYTICAL RESULTS
IN MONITORING WELLS
(OVERBURDEN)**

Drawing Number:

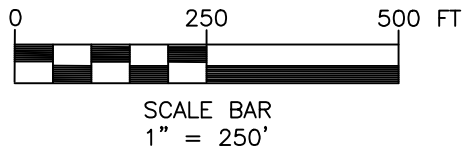
FIG-5

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LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs
TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS
MICROGRAMS PER LITER (UG/L)=PPB



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Project Number: 6173.06	

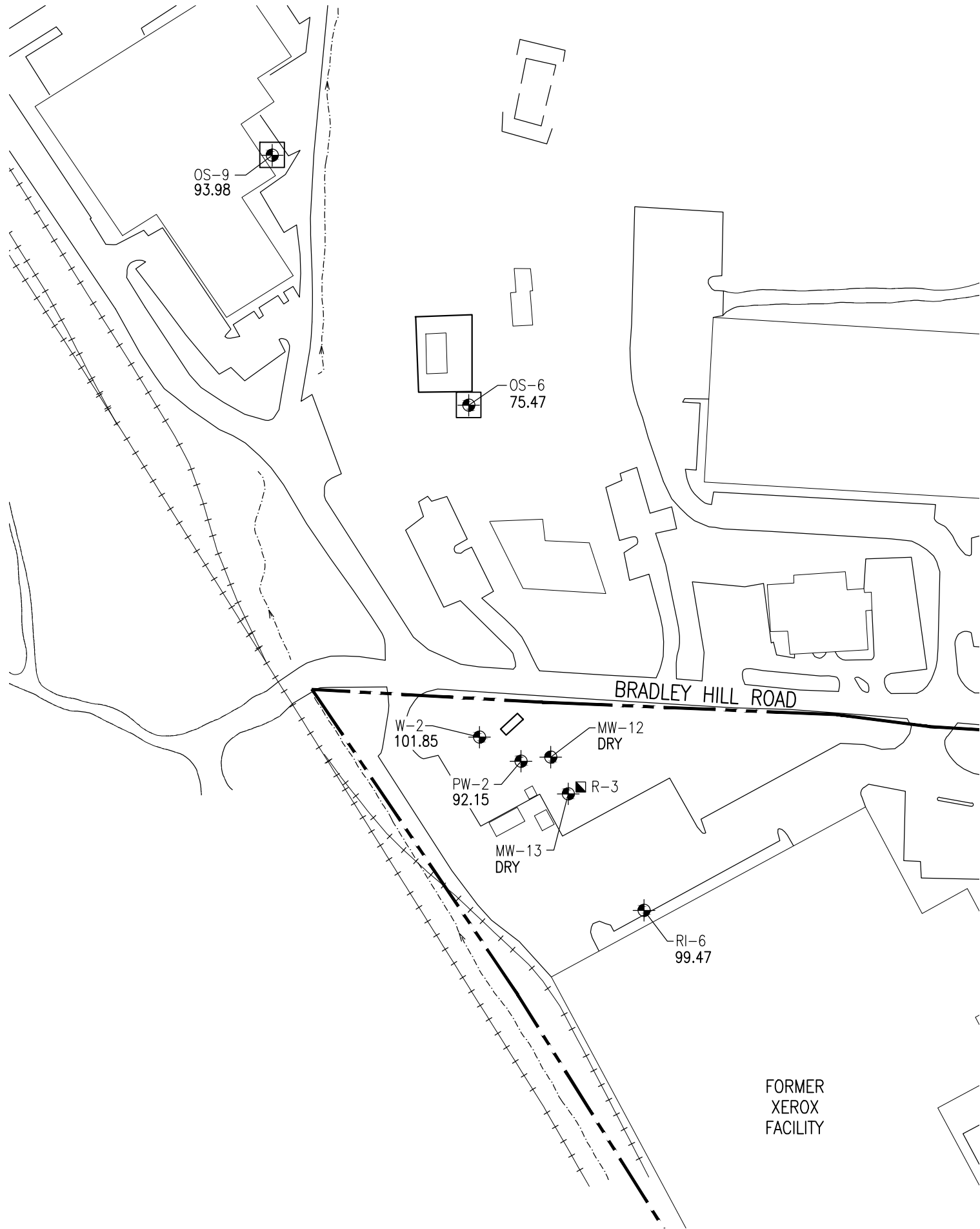
**JUNE 28-29, 2018
& JULY 10, 2018
DISTRIBUTION OF
GROUNDWATER
ANALYTICAL RESULTS
IN MONITORING WELLS
(BEDROCK)**

Drawing Number:
FIG-6



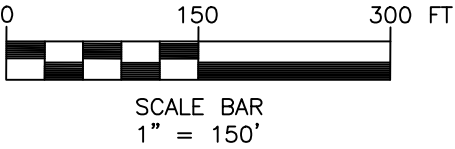
QUARTERLY FIGURES – SEPTEMBER 2018

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LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE



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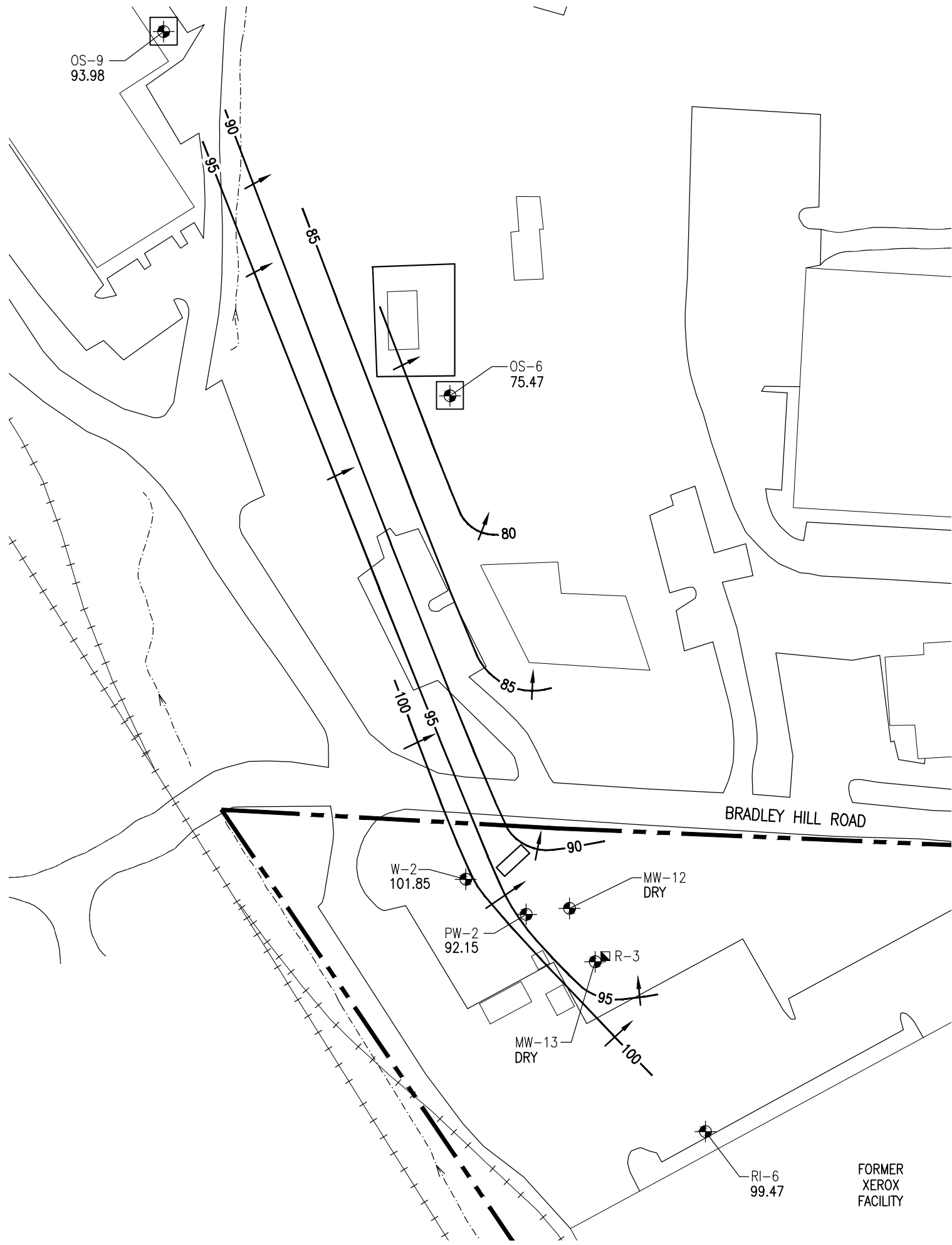
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Checked By: S. DEMEO
Drawn By: C. WOOD
Scale: 1" = 150'

**SEPTEMBER 27-28, 2018
ELEVATION
POSTING MAP
(OVERBURDEN)**

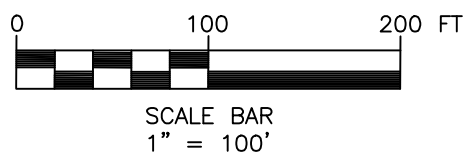
Drawing Number:
FIG-3A

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LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 5' INTERVAL
- GROUNDWATER FLOW DIRECTION



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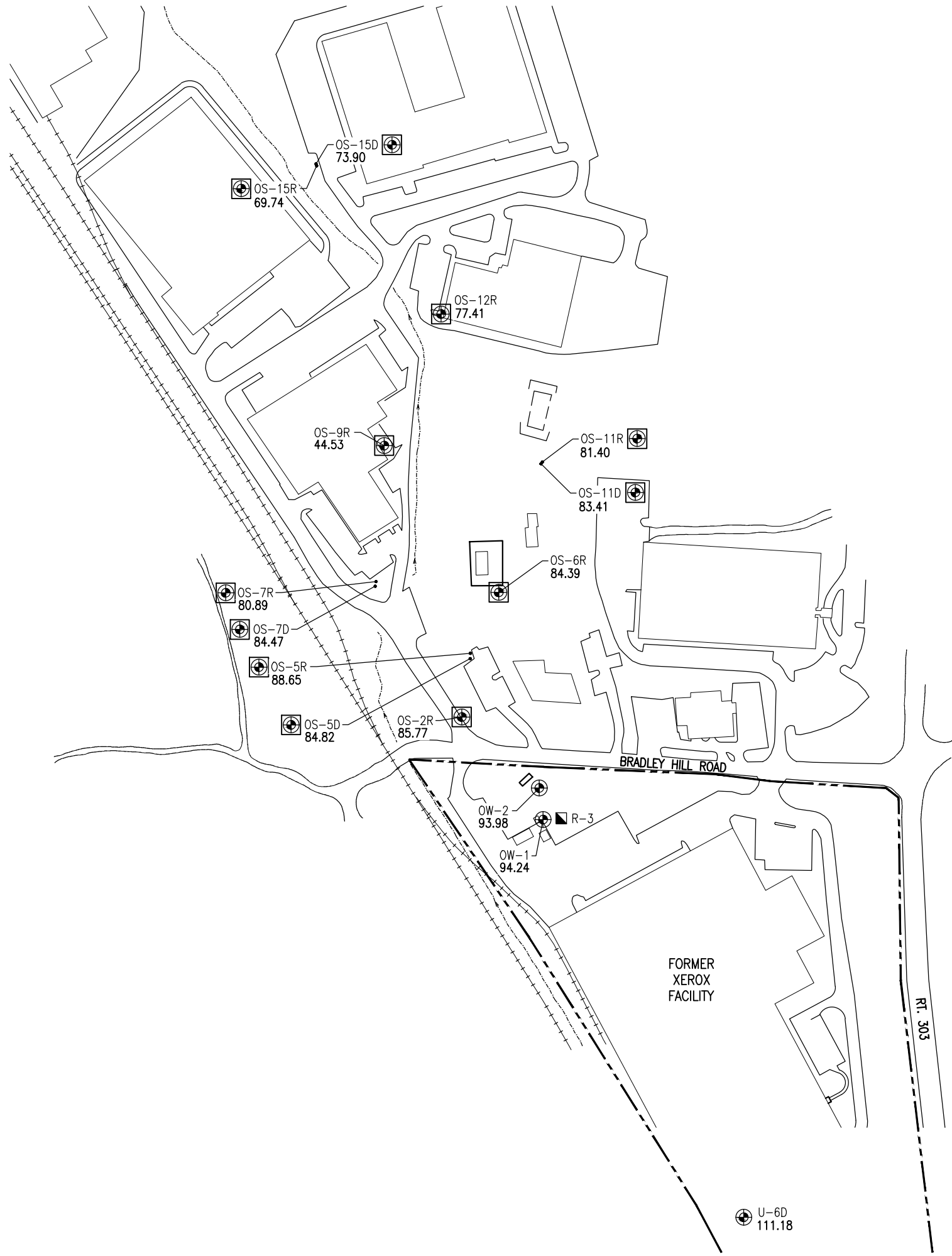
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Scale: 1" = 100'
Project Number: 6173.06

**SEPTEMBER 27-28, 2018
WATER TABLE
MAP
(OVERBURDEN)**

Drawing Number:
FIG-3B

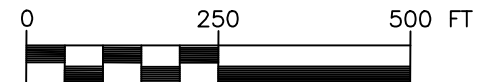
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LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3

--- APPROXIMATE SITE PROPERTY LINE



SCALE BAR
1" = 250'

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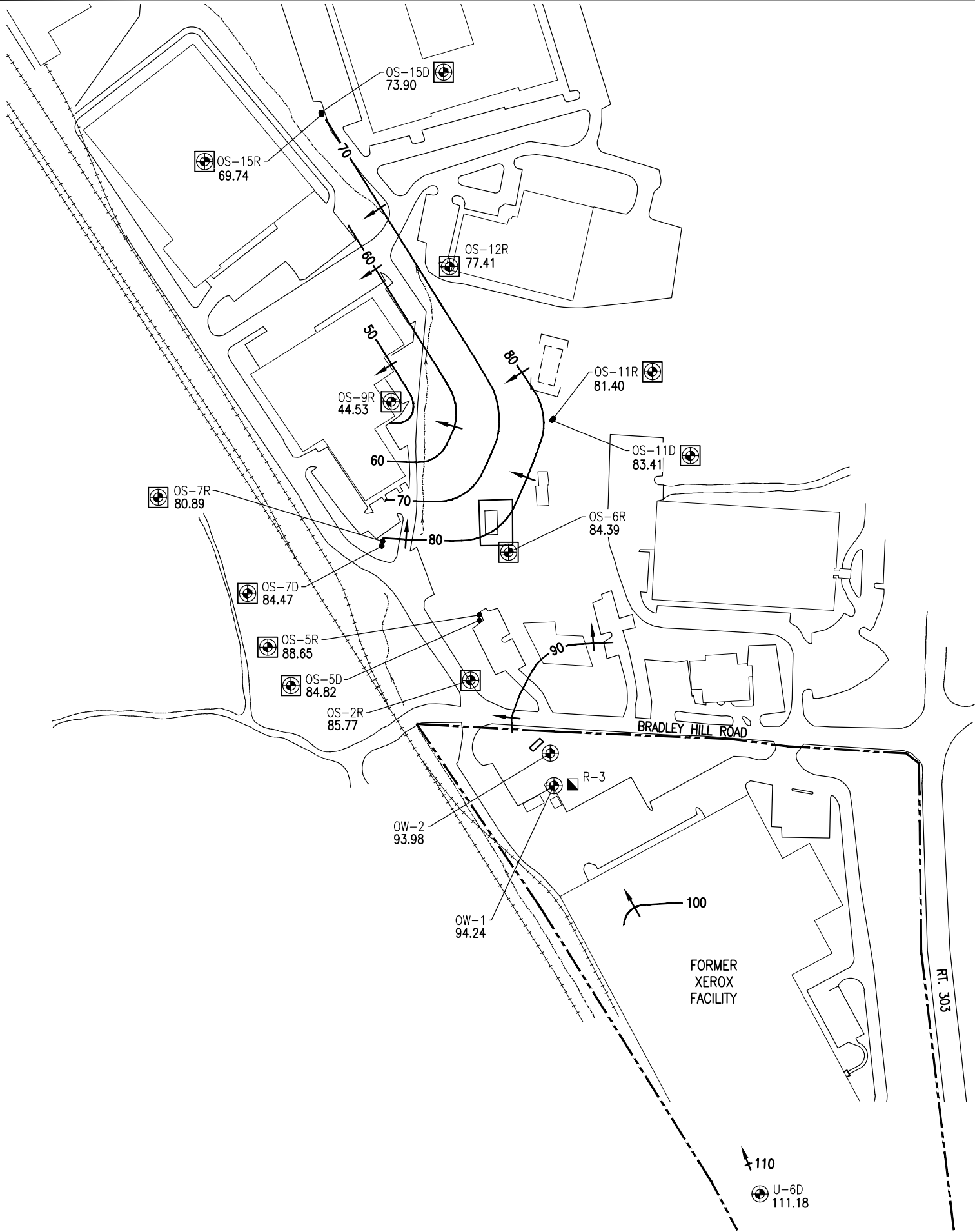
Project Number:
6173.06

SEPTEMBER 27-28, 2018 ELEVATION POSTING MAP (BEDROCK)

Drawing Number:

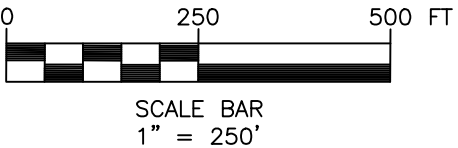
FIG-4A

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LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 10' INTERVAL
- GROUNDWATER FLOW DIRECTION



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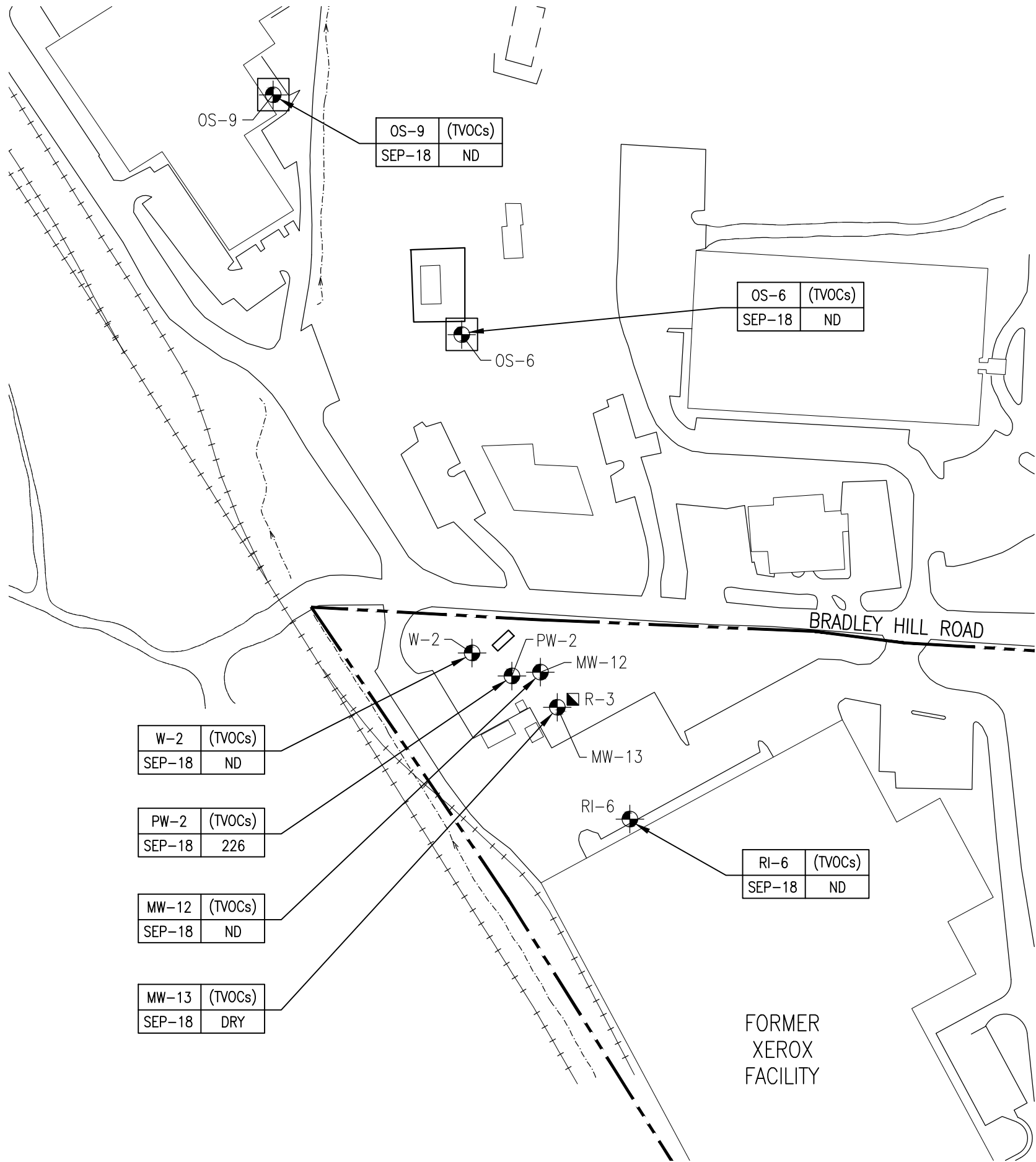
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Designed By:	Drawn By: C. WOOD
Date Issued: 03/15/2019	Scale: 1" = 250'
Project Number: 6173.06	

SEPTEMBER 27-28, 2018 WATER TABLE MAP (BEDROCK)

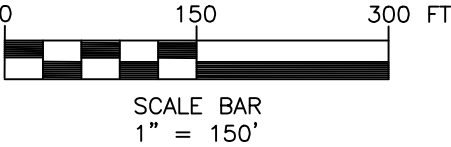
Drawing Number:
FIG-4B

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\3.8 Reports\Blauvelt\2018 Annual PRR Report - Blauvelt\Figures\September 2018\September Figure 5.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs: TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS MICROGRAMS PER LITER (UG/L)=PPB



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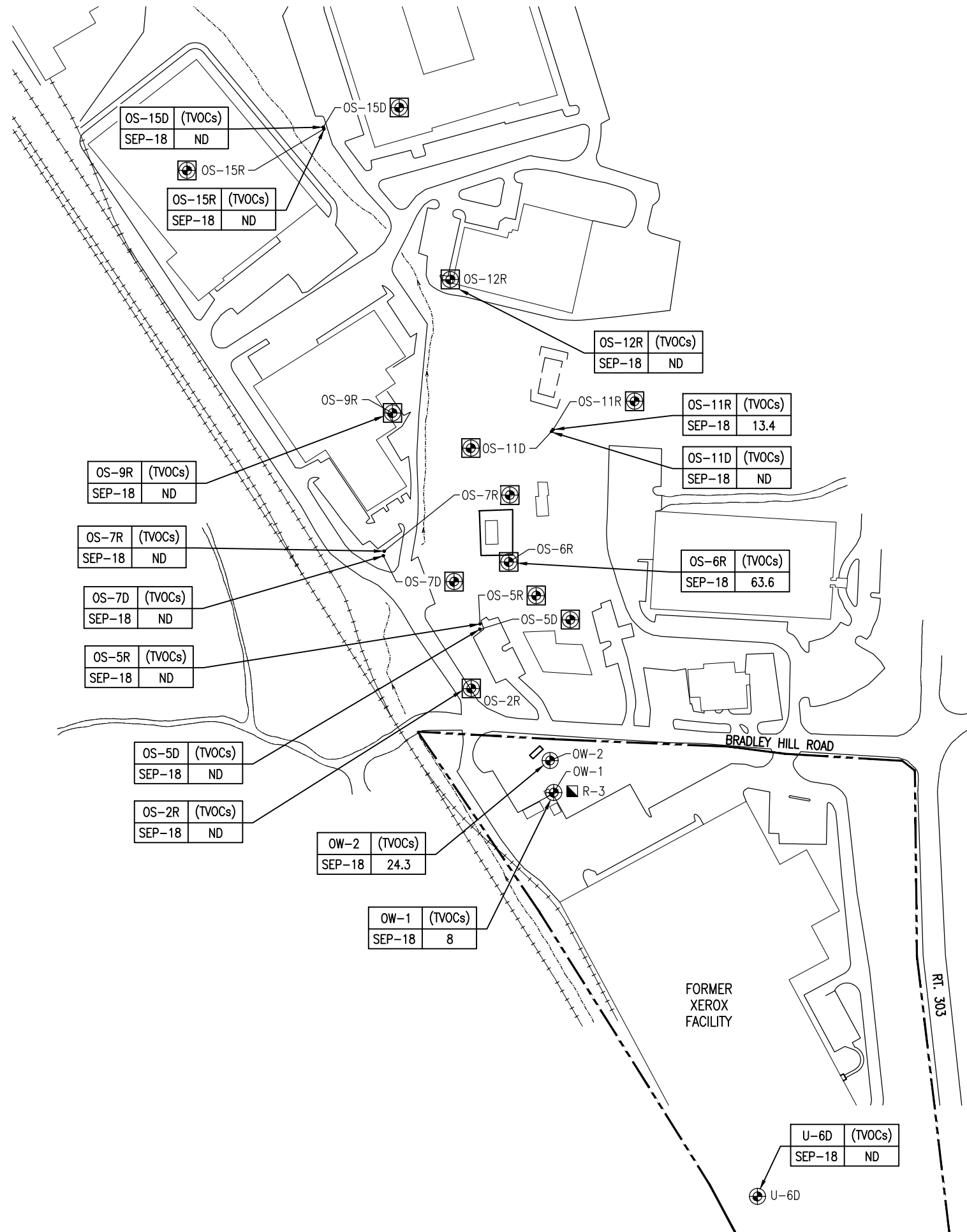
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Project Number: 6173.06	

**SEPTEMBER 27-28, 2018
DISTRIBUTION OF
GROUNDWATER
ANALYTICAL RESULTS
IN MONITORING WELLS
(OVERBURDEN)**

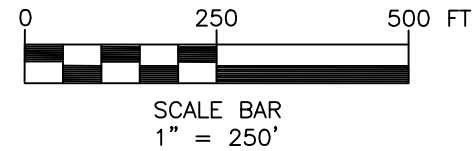
Drawing Number:
FIG-5

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LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs
TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS
MICROGRAMS PER LITER (UG/L)=PPB



XEROX CORPORATION

BLAUVELT, NEW YORK
NYSDEC SITE NO. 3-044-021



BERGMANN ARCHITECTS ENGINEERS PLANNERS

Bergmann Associates, Architects, Engineers,
Landscape Architects & Surveyors, D.P.C.
280 East Broad Street
Suite 200
Rochester, NY 14604

office: 585.232.5135
fax: 585.232.4652

www.bergmannpc.com

REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CK'D

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Project Manager: A. CHEREMETEFF	Checked By: S. DEMEO
Designed By:	Drawn By: C. WOOD
Date Issued: 03/15/2019	Scale: 1" = 250'
Project Number: 6173.06	

SEPTEMBER 27-28, 2018 DISTRIBUTION OF GROUNDWATER ANALYTICAL RESULTS IN MONITORING WELLS (BEDROCK)

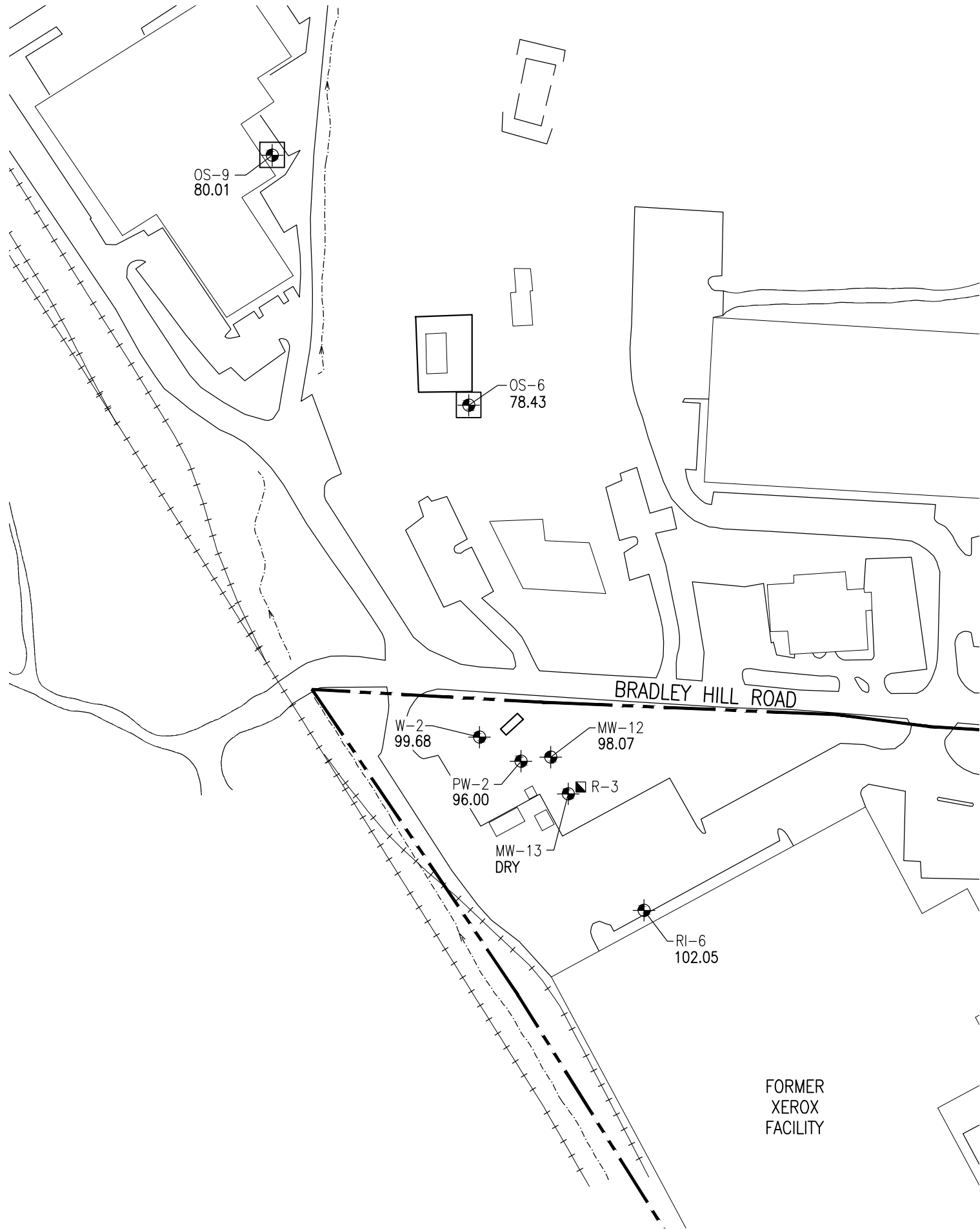
Drawing Number:

FIG-6



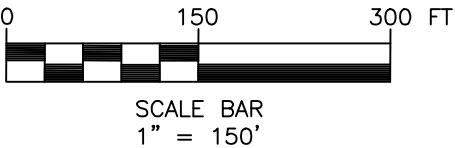
QUARTERLY FIGURES – DECEMBER 2018

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blauplett\2018 Annual PRR Report - Blauplett\Figures\December 2018\December Figure 3A.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE



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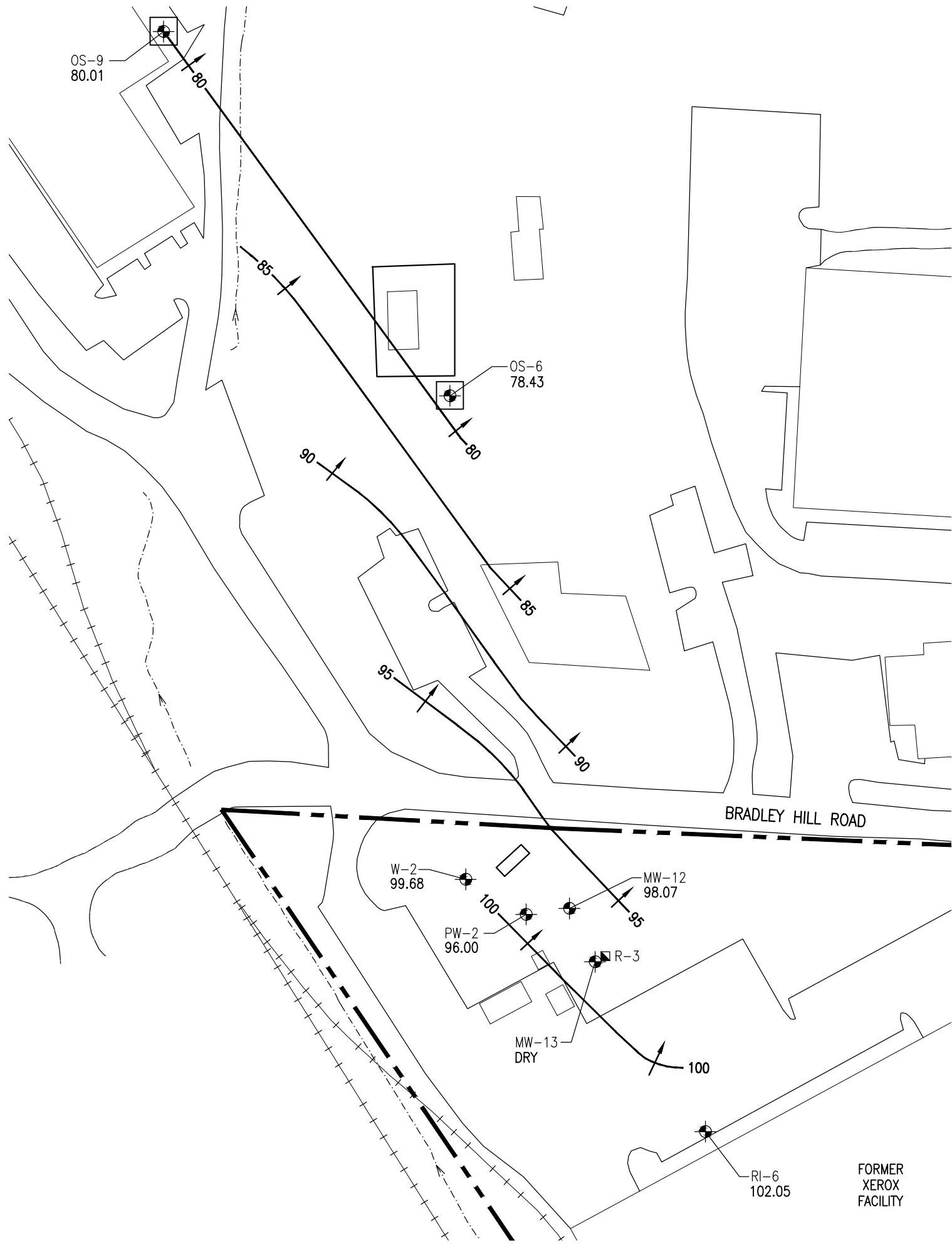
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Project Manager: A. CHEREMETEFF
Designed By: S. DEMEO
Drawn By: C. WOOD
Date Issued: 03/15/2019
Scale: 1" = 150'
Project Number: 6173.06

**DECEMBER 13-14, 2018
ELEVATION
POSTING MAP
(OVERBURDEN)**

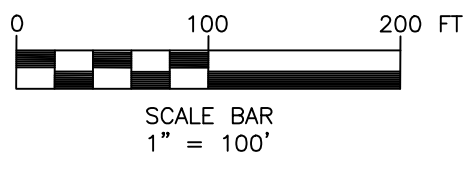
Drawing Number:
FIG-3A

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blaupelt\2018 Annual PRR Report - Blaupelt\Figures\December 2018\December Figure 3B.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 5' INTERVAL
- GROUNDWATER FLOW DIRECTION



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NYSDEC SITE NO. 3-044-021



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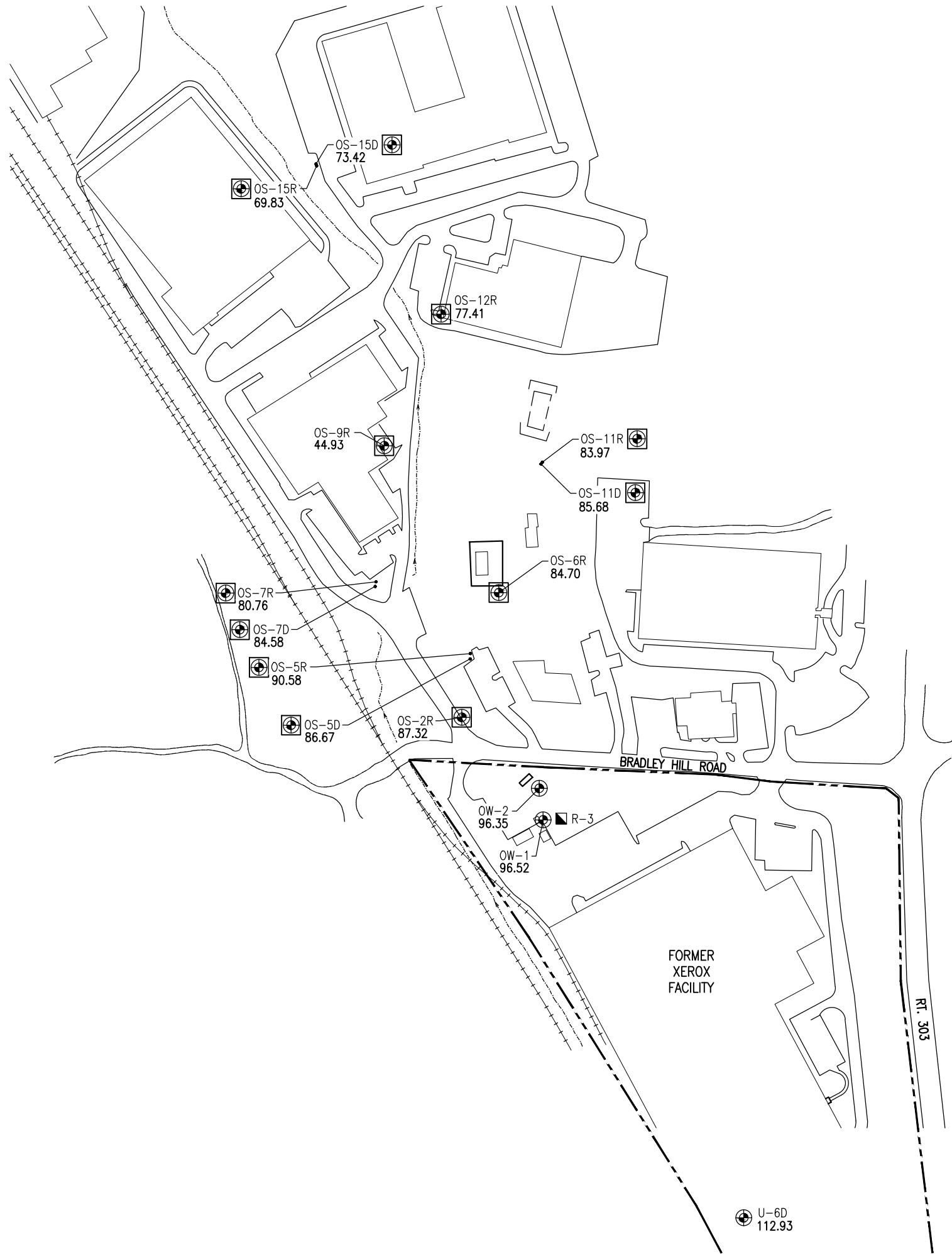
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Project Manager: A. CHEREMETEFF	Checked By: S. DEMEO
Designed By:	Drawn By: C. WOOD
Date Issued: 03/15/2019	Scale: 1" = 100'
Project Number: 6173.06	

**DECEMBER 13-14, 2018
WATER TABLE
MAP
(OVERBURDEN)**

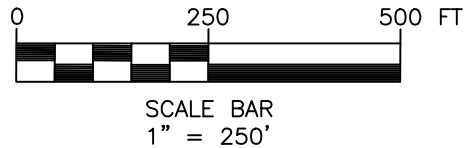
Drawing Number:
FIG-3B

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blauvett\2018 Reports\Blauvett\2018 Annual PRR Report - Blauvett\Figures\December 2018\Figure 4A.dwg



LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE



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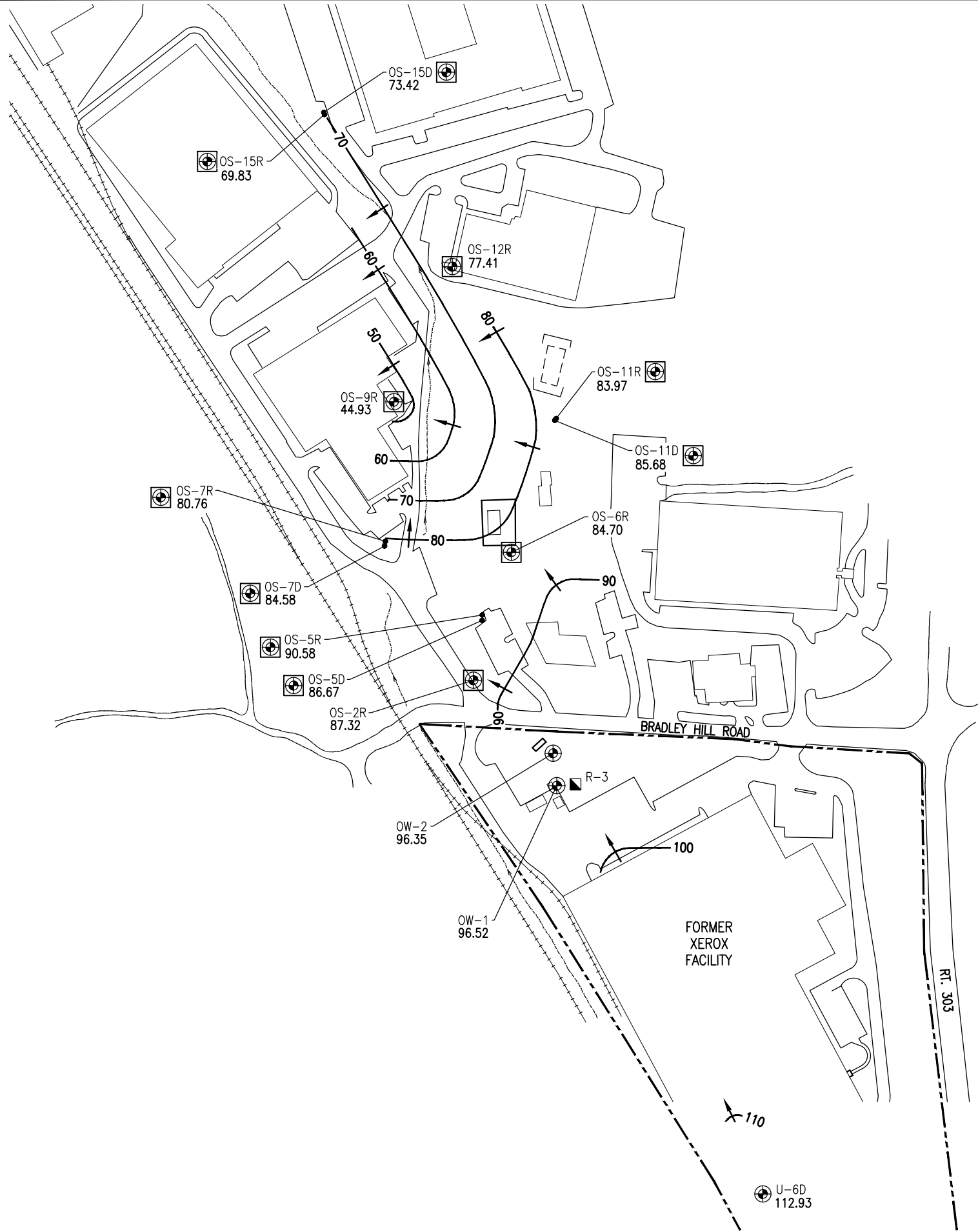
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Designed By: S. DEMEO
Drawn By: C. WOOD
Date Issued: 03/15/2019
Project Number: 6173.06
Scale: 1" = 250'

**DECEMBER 13-14, 2018
ELEVATION
POSTING MAP
(BEDROCK)**

Drawing Number:
FIG-4A

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blaupelt\2018 Annual PRR Report - Blaupelt\Figures\December 2018\December Figure 4B.dwg



LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3

- APPROXIMATE SITE PROPERTY LINE
- GROUNDWATER TABLE CONTOUR, FEET, 10' INTERVAL
- GROUNDWATER FLOW DIRECTION



SCALE BAR
1" = 250'

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Project Manager: A. CHEREMETEFF	Checked By: S. DEMEO
Designed By:	Drawn By: C. WOOD

Date Issued: 03/15/2019	Scale: 1" = 250'

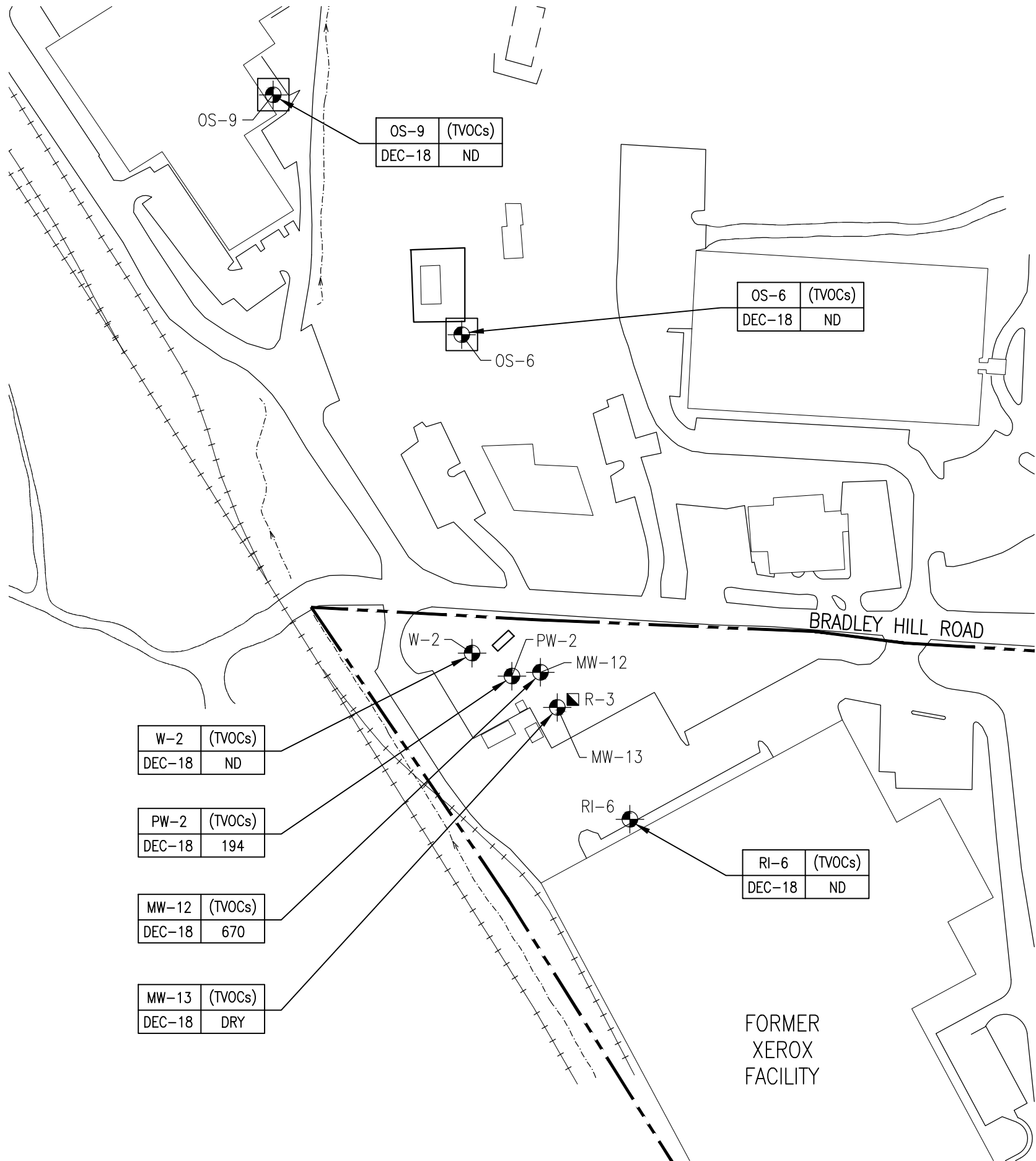
Project Number:
6173.06

DECEMBER 13-14, 2018 WATER TABLE MAP (BEDROCK)

Drawing Number:

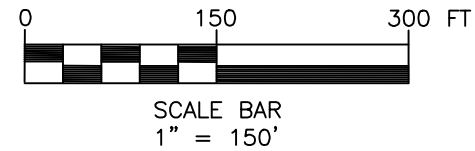
FIG-4B

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\3.8 Reports\Blauvelt\2018 Annual PRR Report - Blauvelt\Figures\December 2018\December Figure 5.dwg



LEGEND

- ON-SITE OVERBURDEN MONITORING WELL
- OFF-SITE OVERBURDEN MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TVOCs: TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS
MICROGRAMS PER LITER (UG/L)=PPB



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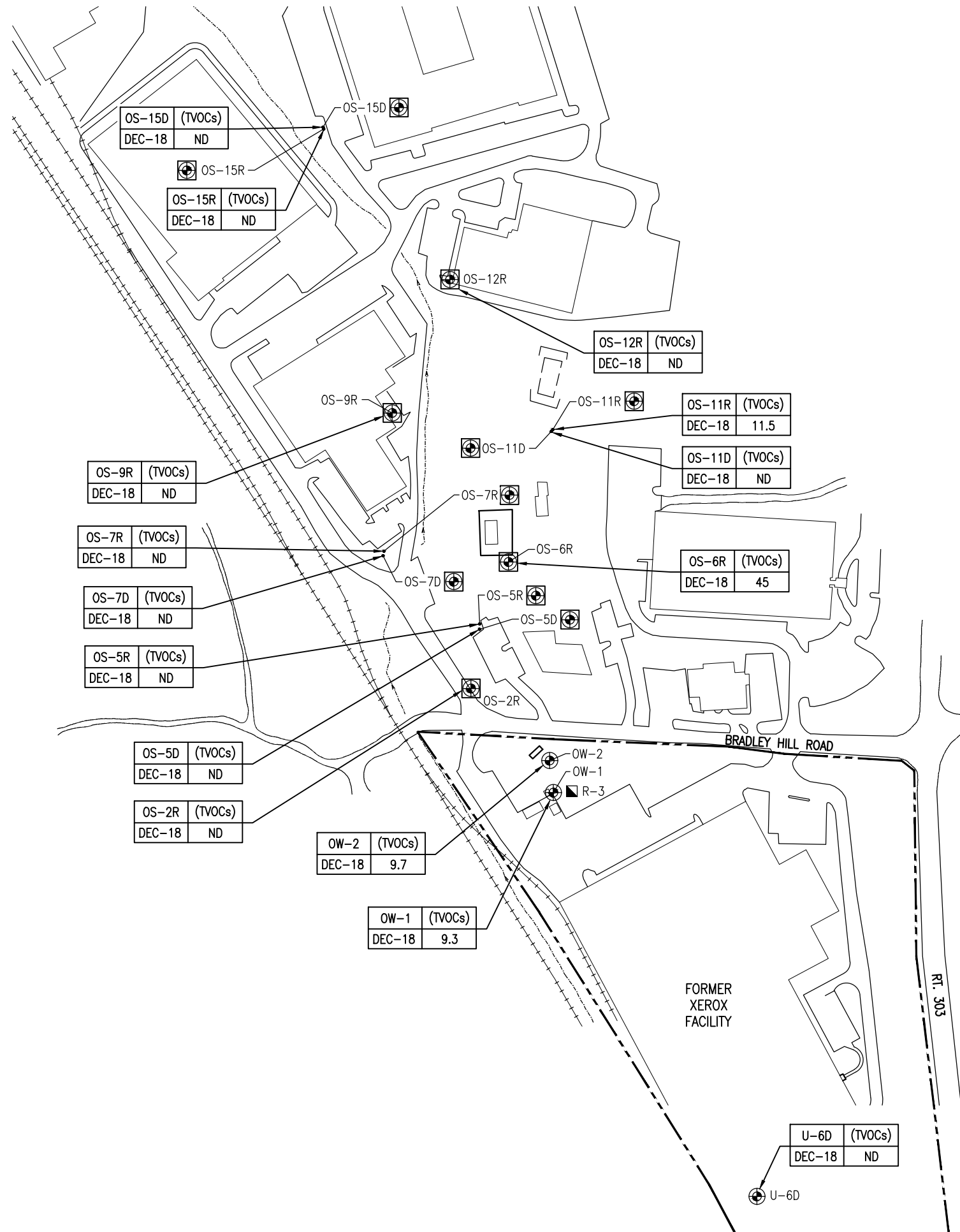
Project Manager: A. CHEREMETEFF	Checked By: S. DEMEO
Designed By:	Drawn By: C. WOOD
Date Issued: 03/15/2019	Scale: 1" = 150'
Project Number: 6173.06	

**DECEMBER 13-14, 2018
DISTRIBUTION OF
GROUNDWATER
ANALYTICAL RESULTS
IN MONITORING WELLS
(OVERBURDEN)**

Drawing Number:

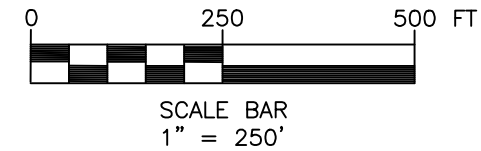
FIG-5

i:\Xerox\Site_2011\6173.06 Environmental Support 2011-12\3.0 Design\Blauvelt\2018 Reports\Figures\December 2018\December Figure 6.dwg



LEGEND

- ON-SITE BEDROCK MONITORING WELL
- OFF-SITE BEDROCK MONITORING WELL
- GROUNDWATER RECOVERY WELL R-3
- APPROXIMATE SITE PROPERTY LINE
- TOTAL VOLATILE ORGANIC COMPOUNDS DETECTED
ALL RESULTS EXPRESSED AS
MICROGRAMS PER LITER (UG/L)=PPB



XEROX CORPORATION

BLAUVELT, NEW YORK
NYSDEC SITE NO. 3-044-021



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Project Manager: A. CHEREMETEFF	Checked By: S. DEMEO
Designed By:	Drawn By: C. WOOD
Date Issued: 03/15/2019	Scale: 1" = 250'
Project Number: 6173.06	

DECEMBER 13-14, 2018 DISTRIBUTION OF GROUNDWATER ANALYTICAL RESULTS IN MONITORING WELLS (BEDROCK)

Drawing Number:

FIG-6



APPENDIX A

INSTITUTIONAL AND ENGINEERING CONTROLS (IC/EC) CERTIFICATION FORM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 11th Floor, Albany, NY 12233-7020

P: (518)402-9543 | F: (518)402-9547

www.dec.ny.gov

3/7/2019

Mr. Elliott Duffney
Xerox Corporation
790 Phillips Road – 105-66C
Webster, NY 14580-9720

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal

Site Name: Xerox Corporation

Site No.: 344021

Site Address: Blauvelt Facility (near intersection of Rt 303)
Orangetown, NY 10962

Dear Mr. Elliott Duffney:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at <http://www.dec.ny.gov/regulations/67386.html>) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than June 30, 2019. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.



Department of
Environmental
Conservation

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

<https://www.dec.ny.gov/chemical/62440.html>

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

<https://fts.dec.state.ny.us/fts/>

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Amen M. Omorogbe, the Project Manager, at 518-402-9801 or amen.omorogbe@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

cc: w/ enclosures

Amen M. Omorogbe, Project Manager

Dan Bendell, Hazardous Waste Remediation Supervisor, Region 3

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the Certification cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this Certification form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. 344021

Site Name Xerox Corporation

Site Address: Blauvelt Facility (near intersection of Rt 303) Zip Code: 10962

City/Town: Orangetown

County: Rockland

Site Acreage: 1.000

Reporting Period: ~~March 01, 2017 to May 31, 2019~~

January 01, 2018 to December 31, 2018

YES NO

1. Is the information above correct?

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Industrial

☒ ☐

7. Are all ICs/ECs in place and functioning as designed?

☒ ☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 344021

Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

70.06-1-2

~~PBN ASSOCIATES a/k/a PAT Management, LLC~~
ADVANCED DISTRIBUTION
SYSTEMS

Site Management Plan

Implementation of the approved Site Management Plan (SMP) which includes:

- 1) Continued groundwater containment in the source area through an active groundwater pump and treat system,
- 2) Continued operation of the active sub-slab depressurization system.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

70.06-1-2

Groundwater Treatment System
Vapor Mitigation
Groundwater Containment

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

X

□

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

X

□

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 344021

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Elliott Duffney at Xerox Corporation
800 Phillips Rd - 207-012
Webster, NY 14580
print name print business address

I am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Elliott Duffney
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5/21/19
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I ROBERT SWITALA at BERLMANN 290 E. BRAD ST. SUITE 200 ROCHESTER NY 14604
print name print business address

am certifying as a Professional Engineer for the XEROX CORPORATION
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



(Required for PE)

5/20/15
Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

- I. **Executive Summary: (1/2-page or less)**
 - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
 - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding:
 1. progress made during the reporting period toward meeting the remedial objectives for the site
 2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
 - C. Compliance
 1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
 2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
 - D. Recommendations
 1. recommend whether any changes to the SMP are needed
 2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
 3. recommend whether the requirements for discontinuing site management have been met.
- II. **Site Overview (one page or less)**
 - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
 - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.
- III. **Evaluate Remedy Performance, Effectiveness, and Protectiveness**

Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations should be presented simply and concisely.
- IV. **IC/EC Plan Compliance Report (if applicable)**
 - A. IC/EC Requirements and Compliance
 1. Describe each control, its objective, and how performance of the control is evaluated.
 2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
 3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
 4. Conclusions and recommendations for changes.
 - B. IC/EC Certification
 1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).
- V. **Monitoring Plan Compliance Report (if applicable)**
 - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
 - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
 - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
 - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
 - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.
- VI. **Operation & Maintenance (O&M) Plan Compliance Report (if applicable)**
 - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
 - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
 - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
 - 1. whether all requirements of each plan were met during the reporting period
 - 2. any requirements not met
 - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
 - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
 - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.



APPENDIX B

QUARTERLY LABORATORY ANALYTICAL REPORTS



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FIRST QUARTER

LABORATORY ANALYTICAL REPORT



March 30, 2018

Service Request No: R1802102

Mr. Elliott Duffney
Xerox Corporation USA
800 Phillips Road
Bldg #205-99F
Webster, NY 14580

Laboratory Results for: Blauvelt Wells 1st Quarter 2018

Dear Mr. Duffney,

Enclosed are the results of the sample(s) submitted to our laboratory March 09, 2018
For your reference, these analyses have been assigned our service request number **R1802102**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jim Marschner

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE 1 585 288 5380 **FAX** 1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Received: 03/09/2018 - 03/10/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Twenty eight water samples were received for analysis at ALS Environmental on 03/09/2018 - 03/10/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

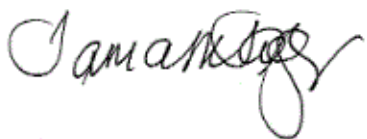
Semivolatile GC:

Method 8015C, 03/15/2018: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field samples was done out of holding time. The analytes affected are flagged in the LCS Summary.

Volatiles by GC/MS:

Method 8260C, 03/14/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 03/14/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.



Approved by _____

Date 03/30/2018

ALS Group USA, Corp. dba ALS Environmental

Total Target Volatiles Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Analytical Method: 8260C

Service Request: R1802102
Date Reported: 4/3/18
Units: µg/L

Client Sample ID	Total Target Volatiles
W-2 2018 Q1	ND
U-6D 2018 Q1	ND
OW-1 2018 Q1	ND
OW-2 2018 Q1	ND
PW-2 2018 Q1	92.9
RI-6 2018 Q1	ND
DUP-01 2018 Q1	91.9
EQUIPMENT BLANK 2018 Q1	ND
TRIP BLANK 1 2018 Q1	ND
OS-2R 2018 Q1	ND
OS-5R 2018 Q1	ND
OS-5D 2018 Q1	ND
OS-6 2018 Q1	ND
OS-6R 2018 Q1	58.0
OS-7R 2018 Q1	ND
OS-7D 2018 Q1	ND
OS-9 2018 Q1	ND
OS-9R 2018 Q1	ND
OS-11R 2018 Q1	13.7
OS-11D 2018 Q1	ND
OS-12R 2018 Q1	ND
OS-15R 2018 Q1	ND
OS-15D 2018 Q1	ND
DUP-02 2018 Q1	13.8
TRIP BLANK 2 2018 Q1	ND



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st quarter 2018

Service Request:R1802102

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1802102-001	W-2 2018 1	3/8/2018	0710
R1802102-002	U-6D 2018 1	3/8/2018	0930
R1802102-003	MW-12 2018 1	3/8/2018	
R1802102-004	MW-13 2018 1	3/8/2018	
R1802102-005	OW-1 2018 1	3/8/2018	0840
R1802102-006	OW-2 2018 1	3/8/2018	0815
R1802102-007	PW-2 2018 1	3/8/2018	0735
R1802102-008	RI-6 2018 1	3/8/2018	0910
R1802102-009	DUP-01 2018 1	3/8/2018	0740
R1802102-010	E UIPMENT BLANK 2018 1	3/8/2018	0745
R1802102-011	TRIP BLANK 1 2018 1	3/8/2018	0750
R1802102-012	OS-2R 2018 1	3/9/2018	0930
R1802102-013	OS-5R 2018 1	3/9/2018	0645
R1802102-014	OS-5D 2018 1	3/9/2018	0715
R1802102-015	OS-6 2018 1	3/9/2018	0835
R1802102-016	OS-6R 2018 1	3/9/2018	0855
R1802102-017	OS-7R 2018 1	3/8/2018	1235
R1802102-018	OS-7D 2018 1	3/8/2018	1310
R1802102-019	OS-9 2018 1	3/8/2018	1005
R1802102-020	OS-9R 2018 1	3/8/2018	1020
R1802102-021	OS-11R 2018 1	3/9/2018	0805
R1802102-022	OS-11D 2018 1	3/9/2018	0800
R1802102-023	OS-12R 2018 1	3/8/2018	1055
R1802102-024	OS-15R 2018 1	3/8/2018	1130
R1802102-025	OS-15D 2018 1	3/8/2018	1155
R1802102-026	DUP-02 2018 1	3/9/2018	0810
R1802102-027	E UIPMENT BLANK 2 2018 1	3/8/2018	
R1802102-028	TRIP BLANK 2 2018 1	3/9/2018	0640



Cooler Receipt and Preservation Check Form

R1802102

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Xerox Corporation USA
Blauvelt Wells 1st Quarter 2018Project/Client BlauveltFolder Number R18-262Cooler received on 3/10/18by: SLCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> N
2	Custody papers properly completed (ink, signed)?	<u>Y</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles ?	Y <u>N</u> NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 3/10/18 Time: 11:05 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>1.5</u>						
Correction Factor (°C)	<u>+1.0</u>						
Corrected Temp (°C)	<u>2.5</u>						
Temp from: Type of bottle	<u>Temp Blank for</u>						
Within 0-6°C?	<u>Y</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R02 by SL on 3/10/18 at 11:20
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown: Date: 3/12/18 Time: 1402 by: SLW

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)?

YES NO

10. Did all bottle labels and tags agree with custody papers?

YES NO

11. Were correct containers used for the tests indicated?

YES NO

12. Were 5035 vials acceptable (no extra labels, not leaking)?

YES NO

13. Air Samples: Cassettes / Tubes Intact

Canisters Pressurized

Tedlar® Bags Inflated

N/A
N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 7-144-03

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: SLPC Secondary Review: SLM 3/13/18

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r15.doc

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter
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10/11/17

[illegible]



Cooler Receipt and Preservation Check Form

R1802102

Xerox Corporation USA
Blauvelt Wells

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Project/Client GWI-Xena Folder Number _____

Cooler received on 3/9/18 by: @

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> N
2	Custody papers properly completed (ink, signed)?	<u>Y</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <u>N</u> NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 3/9/18 Time: 1000 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>2.9</u>						
Correction Factor (°C)	<u>+1.0</u>						
Corrected Temp (°C)	<u>3.9</u>						
Temp from: Type of bottle	<u>Cont. Tube</u>						
Within 0-6°C?	<u>Y</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by @ on 3/9/18 at 1003
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 3/9/18 Time: 1420 by: @

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO date/time
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 7.144-003, 050617-10K

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: @

PC Secondary Review: 3/12/18 significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

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Sample ID	<u>PW-2 / DUP-01</u>	Sample date/time	<u>3/8/18 - 7:35</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	<u>3"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>14.62</u>	from ☐ inner casing	from ☒ protective casing
Bottom depth	<u>20.19</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.37</u>	water volume in well <u>2.06</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>6.25</u>	Well volumes	<u>3.03</u>
Time purge complete	<u></u>	Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~18</u>		
sample containers	<u>3-40 ML VOA Vials, 2-1L Ambers (Method 8260/8015)</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.01</u>
temp (C)	<u>13.1</u>
cond (us/cm)	<u>752</u>
eH	<u>1.9</u>
Turbidity	<u>72.2</u>
Comments/remarks	<u>Sl. turbid, no odor, no sheen</u>
	<u></u>

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Sample ID	<u>MW-12</u>	Sample date/time	<u>3/8/2018</u>
Bottle set (lab)		Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>14.42</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>14.42</u>	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>0.00</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 bails/gal</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u></u>	Well volumes	<u></u>
Time purge complete	<u></u>	Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other <u></u>			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u></u>		
sample containers	<u>3-40 ML VOA Vials, 1-1L Ambers (Method 8260/8015)</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>-</u>
temp (C)	<u>-</u>
cond (us/cm)	<u>-</u>
eH	<u>-</u>
Turbidity	<u>-</u>
Comments/remarks	<u>Well was dry.</u>
	<u></u>

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Sample ID	<u>RI-6</u>	Sample date/time	<u>3/8/18 - 9:10</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel
Static water level	<u>13.42</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>23.60</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	<u>0.16</u>		water volume in well
Well condition	<u>Poor</u>		<u>1.63</u> (in gallons)

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 bails/gal</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>5.25</u>	Well volumes	<u>3.22</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~20</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>6.44</u>
temp (C)	<u>17.6</u>
cond (us/cm)	<u>678</u>
eH	<u>10.1</u>
Turbidity	<u>7.7</u>
Comments/remarks	<u>Clear, no odor, slight sheen</u>
	<u></u>

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Sample ID	<u>OS-2R (QA/QC)</u>	Sample date/time	<u>3/9/18 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>17.02</u>	from ☐ inner casing	from ☒ protective casing
Bottom depth	<u>48.37</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>5.02</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4.0 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>13.75</u>	Well volumes	<u>2.74</u>
Time purge complete	<u></u>	Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other <u></u>			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~45</u>		
sample containers	<u>6- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.22</u>
temp (C)	<u>12.3</u>
cond (us/cm)	<u>600</u>
eH	<u>-23.7</u>
Turbidity	<u>6.1</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u>QA/QC Sample</u>

Sample ID	<u>OS-5R</u>	Sample date/time	<u>3/9/18 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA				
Casing diameter	<u>2"</u>	☐ PVC	☒ steel	☐ other
Static water level	<u>9.95</u>	from ☒ inner casing	from ☐ protective casing	
Bottom depth	<u>38.31</u>	from ☒ inner casing	from ☐ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>4.54</u>		
Well condition	<u></u>	(in gallons)		

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate	<u>4 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>13.75</u>	Well volumes	<u>3.03</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other <u></u>			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		<u>~36</u>	
sample containers		<u>3- 40 ML VOA Vials</u>	

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.26</u>
temp (C)	<u>15.6</u>
cond (us/cm)	<u>431</u>
eH	<u>-12.3</u>
Turbidity	<u>6.81</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u>(brown floaters)</u>

Sample ID	<u>OS-5D</u>	Sample date/time	<u>3/9/18 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	<u>4"</u>	☐ PVC	☒ steel
Static water level	<u>14.56</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>74.78</u>	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	<u>0.65</u>		water volume in well
Well condition	<u>Bent</u>		<u>39.14</u>
			(in gallons)

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>120</u>	Well volumes	<u>3.07</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~70</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.51</u>
temp (C)	<u>14.9</u>
cond (us/cm)	<u>734</u>
eH	<u>-18.4</u>
Turbidity	<u>1.30</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-06</u>	Sample date/time	<u>3/9/18 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>10.71</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>23.65</u>	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>2.07</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 bails/gal</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>6.5</u>	Well volumes	<u>3.14</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other <u></u>			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~20</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>6.51</u>
temp (C)	<u>15.1</u>
cond (us/cm)	<u>698.0</u>
eH	<u>-21.1</u>
Turbidity	<u>12.6</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-6R</u>	Sample date/time	<u>3/9/18 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>12.59</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>43.30</u>	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>4.91</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4.0 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>15</u>	Well volumes	<u>3.05</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other <u></u>			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~43</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.59</u>
temp (C)	<u>16.1</u>
cond (us/cm)	<u>844</u>
eH	<u>-27.8</u>
Turbidity	<u>12.1</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-7R</u>	Sample date/time	<u>3/8/18 - 12:35</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other <u></u>				

MONITORING WELL DATA					
Casing diameter	<u>2"</u>	☐ PVC	☒ steel	☐ other	
Static water level	<u>11.99</u>	from ☒ inner casing	from ☐ protective casing		
Bottom depth	<u>36.47</u>	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	<u>0.16</u>	water volume in well		<u>3.92</u>	
Well condition	<u>Good</u>	(in gallons)			

MONITORING WELL PURGE DATA					
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☐ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	<u>4.0 gpm</u>	Elapsed time	<u></u>		
Bail volume	<u></u>	Number of bails	<u></u>		
Volume purged (gal.)	<u>11.75</u>	Well volumes	<u>3.00</u>		
Time purge complete	<u></u>	Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other <u></u>					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		<u>~30</u>			
sample containers		<u>3-40 ML VOA Vials</u>			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.55</u>
temp (C)	<u>14.9</u>
cond (us/cm)	<u>933</u>
eH	<u>-42.2</u>
Turbidity	<u>1.00</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-7D</u>	Sample date/time	<u>3/8/18 - 1:10</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other <u></u>				

MONITORING WELL DATA					
Casing diameter	<u>4"</u>	☐ PVC	☒ steel	☐ other	
Static water level	<u>8.85</u>	from ☒ inner casing	from ☐ protective casing		
Bottom depth	<u>68.00</u>	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	<u>0.65</u>	water volume in well		<u>38.45</u>	
Well condition	<u>Good</u>	(in gallons)			

MONITORING WELL PURGE DATA					
	☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☐ poly bailer	☐ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	<u>4.0 gpm</u>	Elapsed time		<u></u>	
Bail volume	<u></u>	Number of bails		<u></u>	
Volume purged (gal.)	<u>120</u>	Well volumes		<u>3.12</u>	
Time purge complete	<u></u>	Well evacuated ?		☐ yes	☒ no

SAMPLING DATA					
	☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other <u></u>				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		<u>~65</u>			
sample containers		<u>3-40 ML VOA Vials</u>			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>8.54</u>
temp (C)	<u>14.9</u>
cond (us/cm)	<u>756</u>
eH	<u>-100.1</u>
Turbidity	<u>3.76</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-9</u>	Sample date/time	<u>3/8/18 - 10:05</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other <u></u>				

MONITORING WELL DATA					
Casing diameter	<u>2"</u>	☐ PVC	☒ steel	☐ other	
Static water level	<u>3.30</u>	from ☒ inner casing	from ☐ protective casing		
Bottom depth	<u>20.50</u>	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	<u>0.16</u>	water volume in well		<u>2.75</u>	
Well condition	<u>Poor</u>	(in gallons)			

MONITORING WELL PURGE DATA					
	☐ submersible pump	☒ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☐ poly bailer	☐ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	<u></u>	Elapsed time		<u></u>	
Bail volume	<u></u>	Number of bails		<u></u>	
Volume purged (gal.)	<u>8.5</u>	Well volumes		<u>3.09</u>	
Time purge complete	<u></u>	Well evacuated ?		☐ yes	☒ no

SAMPLING DATA					
	☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other <u></u>				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		<u>10</u>			
sample containers		<u>3 - 40 ML VOA Vials</u>			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.21</u>
temp (C)	<u>20.4</u>
cond (us/cm)	<u>981</u>
eH	<u>-198.7</u>
Turbidity	<u>5.9</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-9R</u>	Sample date/time	<u>3/8/18 - 10:20</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>39.00</u>	from ☐ inner casing	from ☒ protective casing
Bottom depth	<u>43.81</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>0.77</u>	
Well condition	<u>lock added</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 bails/gal</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>1.75</u>	Well volumes	<u>2.27</u>
Time purge complete	<u></u>	Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other <u></u>			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~43</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>9.98</u>
temp (C)	<u>18.1</u>
cond (us/cm)	<u>378</u>
eH	<u>-178.8</u>
Turbidity	<u>3.50</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-11R /DUP-02</u>	Sample date/time	<u>3/9/17 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>21.73</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>44.40</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.16</u>	water volume in well <u>3.63</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4.0 GPM</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>11</u>	Well volumes	<u>3.03</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~40</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.18</u>
temp (C)	<u>13</u>
cond (us/cm)	<u>1,010</u>
eH	<u>-4.6</u>
Turbidity	<u>2.30</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-11D</u>	Sample date/time	<u>3/9/17 -</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	<u>4"</u>	☐ PVC	☒ steel
		☐ other	
Static water level	<u>20.25</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>75.47</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
			☐ other
Linear conversion	<u>0.65</u>	water volume in well	
Well condition	<u>Good</u>	<u>35.89</u>	
		(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4.0 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>110</u>	Well volumes	<u>3.06</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes
			☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~70</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.18</u>
temp (C)	<u>13.8</u>
cond (us/cm)	<u>502</u>
eH	<u>-45</u>
Turbidity	<u>7.78</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-12R</u>	Sample date/time	<u>3/8/18 - 10:55</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Overcast, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other <u></u>			

MONITORING WELL DATA				
Casing diameter	<u>2"</u>	☐ PVC	☒ steel	☐ other
Static water level	<u>9.12</u>	from ☒ inner casing	from ☐ protective casing	
Bottom depth	<u>33.05</u>	from ☐ inner casing	from ☒ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	<u>0.16</u>	water volume in well		<u>3.83</u>
Well condition	<u>Good</u>	(in gallons)		

MONITORING WELL PURGE DATA				
	☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
	☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no	
Pumping rate	<u>4 bails/gal</u>	Elapsed time <u></u>		
Bail volume	<u></u>	Number of bails <u></u>		
Volume purged (gal.)	<u>7</u>	Well volumes <u>1.83</u>		
Time purge complete	<u></u>	Well evacuated ? ☒ yes ☐ no		

SAMPLING DATA				
	☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
	☐ other <u></u>			
dedicated sampling equipment ?		☐ yes	☒ no	
metals field filtered ?		☐ yes	☒ no	
depth of sample (ft.)		<u>~32</u>		
sample containers		<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>8.50</u>
temp (C)	<u>16.5</u>
cond (us/cm)	<u>390</u>
eH	<u>-99.7</u>
Turbidity	<u>55.1</u>
Comments/remarks	<u>Sl. Turbid, no odor, no sheen</u>
	<u></u>

Sample ID	<u>OS-15R</u>	Sample date/time	<u>3/8/18 - 11:30</u>
Bottle set (lab)	<u></u>	Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer <u></u>	
<u>Sunny, 30's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel
		☐ other	
Static water level	<u>17.20</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>49.40</u>	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
			☐ other
Linear conversion	<u>0.16</u>	water volume in well	
Well condition	<u>Good</u>	<u>5.15</u>	
		(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4.0 gpm</u>	Elapsed time	<u></u>
Bail volume	<u></u>	Number of bails	<u></u>
Volume purged (gal.)	<u>15.5</u>	Well volumes	<u>3.01</u>
Time purge complete	<u></u>	Well evacuated ?	☐ yes
			☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~45</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.23</u>
temp (C)	<u>15.2</u>
cond (us/cm)	<u>732</u>
eH	<u>-6.9</u>
Turbidity	<u>23.30</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>
	<u></u>

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Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Approved	New Jersey ID # NY004	294100 A/B
DoD ELAP #65817	New York ID # 10145	Pennsylvania ID# 68-786
Florida ID # E87674	North Carolina #676	Rhode Island ID # 158
		Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8015C	Water	Mineral Spirits
8260C	Water	Total Target Volatiles (TTV)

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Sample Name: W-2 2018 Q1
Lab Code: R1802102-001
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8015C
8260C

Extracted/Digested By
MPEDRO

Analyzed By
MPEDRO
FNAEGLER

Sample Name: U-6D 2018 Q1
Lab Code: R1802102-002
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OW-1 2018 Q1
Lab Code: R1802102-005
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OW-2 2018 Q1
Lab Code: R1802102-006
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Sample Name: PW-2 2018 Q1
Lab Code: R1802102-007
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8015C
8260C

Extracted/Digested By
MPEDRO

Analyzed By
MPEDRO
FNAEGLER

Sample Name: RI-6 2018 Q1
Lab Code: R1802102-008
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: DUP-01 2018 Q1
Lab Code: R1802102-009
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8015C
8260C

Extracted/Digested By
MPEDRO

Analyzed By
MPEDRO
FNAEGLER

Sample Name: EQUIPMENT BLANK 2018 Q1
Lab Code: R1802102-010
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8015C
8260C

Extracted/Digested By
MPEDRO

Analyzed By
MPEDRO
FNAEGLER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Sample Name: TRIP BLANK 1 2018 Q1
Lab Code: R1802102-011
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-2R 2018 Q1
Lab Code: R1802102-012
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-5R 2018 Q1
Lab Code: R1802102-013
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-5D 2018 Q1
Lab Code: R1802102-014
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-6 2018 Q1
Lab Code: R1802102-015
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Sample Name: OS-6R 2018 Q1
Lab Code: R1802102-016
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-7R 2018 Q1
Lab Code: R1802102-017
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-7D 2018 Q1
Lab Code: R1802102-018
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-9 2018 Q1
Lab Code: R1802102-019
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-9R 2018 Q1
Lab Code: R1802102-020
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Sample Name: OS-11R 2018 Q1
Lab Code: R1802102-021
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-11D 2018 Q1
Lab Code: R1802102-022
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-12R 2018 Q1
Lab Code: R1802102-023
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-15R 2018 Q1
Lab Code: R1802102-024
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: OS-15D 2018 Q1
Lab Code: R1802102-025
Sample Matrix: Water

Date Collected: 03/8/18
Date Received: 03/9/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102

Sample Name: DUP-02 2018 Q1
Lab Code: R1802102-026
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: TRIP BLANK 2 2018 Q1
Lab Code: R1802102-028
Sample Matrix: Water

Date Collected: 03/9/18
Date Received: 03/10/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

GROUNDWATER LEVEL MONITORING REPORT

Project:	Xerox Blauvelt Quarter 1 Monitoring					Client:	Xerox Corporation					File Number:	
Location:	Blauvelt, NY					Weather:						Project Manager:	
Reference:	Top of Casing					Units:	ft					Field Representative:	
Method:	Dip					Comments:							
Monitoring Well ID	Area of Interest	Monitoring Interval	Date	Time (Military Time)	Date & Time	Well Dry? (Y/N)	Depth to Floating Product (ft)	Depth to Water (ft)	Depth to Sinking Product (ft)	Depth to Well Bottom (ft)	Unit	Top of Riser Elevation (ft)	Calc. Water Elevation (ft)
MW-12	ONSITE	QUARTERLY				Y					ft	111.72	
MW-13	ONSITE	QUARTERLY				Y					ft	114.28	
OW-1	ONSITE	QUARTERLY	03/08/17	08:40	03/08/17 08:40	N		18.48		35.30	ft	113.27	94.79
OW-2	ONSITE	QUARTERLY	03/08/18	08:15	03/08/18 08:15	N		16.51		32.87	ft	110.98	94.47
PW-2	ONSITE	QUARTERLY	03/08/18	07:35	03/08/18 07:35	N		14.62		20.19	ft	110.90	96.28
RI-6	ONSITE	QUARTERLY	03/08/18	09:10	03/08/18 09:10	N		13.42		23.60	ft	114.46	101.04
U-6D	ONSITE	QUARTERLY	03/08/18	09:30	03/08/18 09:30	N		5.20		26.23	ft	118.43	113.23
W-2	ONSITE	QUARTERLY	03/08/18	07:10	03/08/18 07:10	N		5.55		13.98	ft	106.80	101.25
OS-11D	OFFSITE	QUARTERLY	03/09/18	08:00	03/09/18 08:00	N		20.25		75.47	ft	105.90	85.65
OS-11R	OFFSITE	QUARTERLY	03/09/17	08:05	03/09/17 08:05	N		21.73		44.40	ft	105.65	83.92
OS-12R	OFFSITE	QUARTERLY	03/08/18	10:55	03/08/18 10:55	N		9.12		33.05	ft	86.91	77.79
OS-15D	OFFSITE	QUARTERLY	03/08/18	11:55	03/08/18 11:55	N		12.00		82.20	ft	85.82	73.82
OS-15R	OFFSITE	QUARTERLY	03/08/18	11:30	03/08/18 11:30	N		17.20		49.40	ft	86.49	69.29
OS-2R	OFFSITE	QUARTERLY	03/09/18	09:30	03/09/18 09:30	N		17.02		48.37	ft	105.02	88.00
OS-5D	OFFSITE	QUARTERLY	03/09/18	07:15	03/09/18 07:15	N		14.56		74.78	ft	101.12	86.56
OS-5R	OFFSITE	QUARTERLY	03/09/18	06:45	03/09/18 06:45	N		9.95		38.31	ft	100.60	90.65
OS-6	OFFSITE	QUARTERLY	03/09/18	08:35	03/09/18 08:35	N		10.71		23.65	ft	89.93	79.22
OS-6R	OFFSITE	QUARTERLY	03/09/18	08:55	03/09/18 08:55	N		12.59		43.30	ft	98.7	86.11
OS-7D	OFFSITE	QUARTERLY	03/08/18	13:10	03/08/18 13:10	N		8.85		68.00	ft	93.78	84.93
OS-7R	OFFSITE	QUARTERLY	03/08/18	12:35	03/08/18 12:35	N		11.99		36.47	ft	93.17	81.18
OS-9	OFFSITE	QUARTERLY	03/08/18	10:05	03/08/18 10:05	N		3.30		20.50	ft	83.71	80.41
OS-9R	OFFSITE	QUARTERLY	03/08/18	10:20	03/08/18 10:20	N		39.00		43.81	ft	83.66	44.66



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:10
Date Received: 03/09/18 09:55

Sample Name: W-2 2018 Q1
Lab Code: R1802102-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 12:56	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 12:56	
Bromoform	5.0 U	5.0	1	03/13/18 12:56	
Bromomethane	5.0 U	5.0	1	03/13/18 12:56	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 12:56	
Chlorobenzene	5.0 U	5.0	1	03/13/18 12:56	
Chloroethane	5.0 U	5.0	1	03/13/18 12:56	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 12:56	
Chloroform	5.0 U	5.0	1	03/13/18 12:56	
Chloromethane	5.0 U	5.0	1	03/13/18 12:56	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 12:56	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 12:56	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 12:56	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 12:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 12:56	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 12:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 12:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 12:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 12:56	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 12:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 12:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 12:56	
Ethylbenzene	5.0 U	5.0	1	03/13/18 12:56	
Methylene Chloride	5.0 U	5.0	1	03/13/18 12:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 12:56	
Toluene	5.0 U	5.0	1	03/13/18 12:56	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 12:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 12:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 12:56	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 12:56	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 12:56	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 12:56	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 12:56	
o-Xylene	5.0 U	5.0	1	03/13/18 12:56	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 12:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:10
Date Received: 03/09/18 09:55

Sample Name: W-2 2018 Q1
Lab Code: R1802102-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 12:56	
Dibromofluoromethane	94	89 - 119	03/13/18 12:56	
Toluene-d8	98	87 - 121	03/13/18 12:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 09:30
Date Received: 03/09/18 09:55

Sample Name: U-6D 2018 Q1
Lab Code: R1802102-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 13:18	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 13:18	
Bromoform	5.0 U	5.0	1	03/13/18 13:18	
Bromomethane	5.0 U	5.0	1	03/13/18 13:18	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 13:18	
Chlorobenzene	5.0 U	5.0	1	03/13/18 13:18	
Chloroethane	5.0 U	5.0	1	03/13/18 13:18	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 13:18	
Chloroform	5.0 U	5.0	1	03/13/18 13:18	
Chloromethane	5.0 U	5.0	1	03/13/18 13:18	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 13:18	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 13:18	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 13:18	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 13:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 13:18	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 13:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 13:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 13:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 13:18	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 13:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 13:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 13:18	
Ethylbenzene	5.0 U	5.0	1	03/13/18 13:18	
Methylene Chloride	5.0 U	5.0	1	03/13/18 13:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 13:18	
Toluene	5.0 U	5.0	1	03/13/18 13:18	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 13:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 13:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 13:18	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 13:18	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 13:18	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 13:18	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 13:18	
o-Xylene	5.0 U	5.0	1	03/13/18 13:18	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 13:18	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 09:30
Date Received: 03/09/18 09:55

Sample Name: U-6D 2018 Q1
Lab Code: R1802102-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/13/18 13:18	
Dibromofluoromethane	94	89 - 119	03/13/18 13:18	
Toluene-d8	96	87 - 121	03/13/18 13:18	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 08:40
Date Received: 03/09/18 09:55

Sample Name: OW-1 2018 Q1
Lab Code: R1802102-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 13:40	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 13:40	
Bromoform	5.0 U	5.0	1	03/13/18 13:40	
Bromomethane	5.0 U	5.0	1	03/13/18 13:40	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 13:40	
Chlorobenzene	5.0 U	5.0	1	03/13/18 13:40	
Chloroethane	5.0 U	5.0	1	03/13/18 13:40	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 13:40	
Chloroform	5.0 U	5.0	1	03/13/18 13:40	
Chloromethane	5.0 U	5.0	1	03/13/18 13:40	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 13:40	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 13:40	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 13:40	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 13:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 13:40	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 13:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 13:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 13:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 13:40	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 13:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 13:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 13:40	
Ethylbenzene	5.0 U	5.0	1	03/13/18 13:40	
Methylene Chloride	5.0 U	5.0	1	03/13/18 13:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 13:40	
Toluene	5.0 U	5.0	1	03/13/18 13:40	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 13:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 13:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 13:40	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 13:40	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 13:40	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 13:40	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 13:40	
o-Xylene	5.0 U	5.0	1	03/13/18 13:40	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 13:40	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 08:40
Date Received: 03/09/18 09:55

Sample Name: OW-1 2018 Q1
Lab Code: R1802102-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/13/18 13:40	
Dibromofluoromethane	93	89 - 119	03/13/18 13:40	
Toluene-d8	96	87 - 121	03/13/18 13:40	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 08:15
Date Received: 03/09/18 09:55

Sample Name: OW-2 2018 Q1
Lab Code: R1802102-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 14:02	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 14:02	
Bromoform	5.0 U	5.0	1	03/13/18 14:02	
Bromomethane	5.0 U	5.0	1	03/13/18 14:02	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 14:02	
Chlorobenzene	5.0 U	5.0	1	03/13/18 14:02	
Chloroethane	5.0 U	5.0	1	03/13/18 14:02	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 14:02	
Chloroform	5.0 U	5.0	1	03/13/18 14:02	
Chloromethane	5.0 U	5.0	1	03/13/18 14:02	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 14:02	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:02	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:02	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:02	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 14:02	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 14:02	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 14:02	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 14:02	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 14:02	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 14:02	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 14:02	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 14:02	
Ethylbenzene	5.0 U	5.0	1	03/13/18 14:02	
Methylene Chloride	5.0 U	5.0	1	03/13/18 14:02	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 14:02	
Toluene	5.0 U	5.0	1	03/13/18 14:02	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 14:02	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 14:02	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 14:02	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 14:02	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 14:02	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 14:02	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 14:02	
o-Xylene	5.0 U	5.0	1	03/13/18 14:02	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 14:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 08:15
Date Received: 03/09/18 09:55

Sample Name: OW-2 2018 Q1
Lab Code: R1802102-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/13/18 14:02	
Dibromofluoromethane	93	89 - 119	03/13/18 14:02	
Toluene-d8	95	87 - 121	03/13/18 14:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:35
Date Received: 03/09/18 09:55

Sample Name: PW-2 2018 Q1
Lab Code: R1802102-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 14:25	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 14:25	
Bromoform	5.0 U	5.0	1	03/13/18 14:25	
Bromomethane	5.0 U	5.0	1	03/13/18 14:25	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 14:25	
Chlorobenzene	5.0 U	5.0	1	03/13/18 14:25	
Chloroethane	5.0 U	5.0	1	03/13/18 14:25	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 14:25	
Chloroform	5.0 U	5.0	1	03/13/18 14:25	
Chloromethane	5.0 U	5.0	1	03/13/18 14:25	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 14:25	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:25	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:25	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:25	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 14:25	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 14:25	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 14:25	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 14:25	
cis-1,2-Dichloroethene	85	5.0	1	03/13/18 14:25	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 14:25	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 14:25	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 14:25	
Ethylbenzene	5.0 U	5.0	1	03/13/18 14:25	
Methylene Chloride	5.0 U	5.0	1	03/13/18 14:25	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 14:25	
Toluene	5.0 U	5.0	1	03/13/18 14:25	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 14:25	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 14:25	
Tetrachloroethene (PCE)	7.9	5.0	1	03/13/18 14:25	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 14:25	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 14:25	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 14:25	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 14:25	
o-Xylene	5.0 U	5.0	1	03/13/18 14:25	
Total Target Volatiles (TTV)	92.9	5.0	1	03/13/18 14:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:35
Date Received: 03/09/18 09:55

Sample Name: PW-2 2018 Q1
Lab Code: R1802102-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/13/18 14:25	
Dibromofluoromethane	95	89 - 119	03/13/18 14:25	
Toluene-d8	96	87 - 121	03/13/18 14:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 09:10
Date Received: 03/09/18 09:55

Sample Name: RI-6 2018 Q1
Lab Code: R1802102-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 14:47	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 14:47	
Bromoform	5.0 U	5.0	1	03/13/18 14:47	
Bromomethane	5.0 U	5.0	1	03/13/18 14:47	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 14:47	
Chlorobenzene	5.0 U	5.0	1	03/13/18 14:47	
Chloroethane	5.0 U	5.0	1	03/13/18 14:47	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 14:47	
Chloroform	5.0 U	5.0	1	03/13/18 14:47	
Chloromethane	5.0 U	5.0	1	03/13/18 14:47	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 14:47	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:47	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:47	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 14:47	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 14:47	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 14:47	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 14:47	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 14:47	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 14:47	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 14:47	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 14:47	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 14:47	
Ethylbenzene	5.0 U	5.0	1	03/13/18 14:47	
Methylene Chloride	5.0 U	5.0	1	03/13/18 14:47	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 14:47	
Toluene	5.0 U	5.0	1	03/13/18 14:47	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 14:47	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 14:47	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 14:47	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 14:47	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 14:47	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 14:47	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 14:47	
o-Xylene	5.0 U	5.0	1	03/13/18 14:47	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 14:47	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 09:10
Date Received: 03/09/18 09:55

Sample Name: RI-6 2018 Q1
Lab Code: R1802102-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 14:47	
Dibromofluoromethane	95	89 - 119	03/13/18 14:47	
Toluene-d8	98	87 - 121	03/13/18 14:47	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:40
Date Received: 03/09/18 09:55

Sample Name: DUP-01 2018 Q1
Lab Code: R1802102-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 15:09	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 15:09	
Bromoform	5.0 U	5.0	1	03/13/18 15:09	
Bromomethane	5.0 U	5.0	1	03/13/18 15:09	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 15:09	
Chlorobenzene	5.0 U	5.0	1	03/13/18 15:09	
Chloroethane	5.0 U	5.0	1	03/13/18 15:09	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 15:09	
Chloroform	5.0 U	5.0	1	03/13/18 15:09	
Chloromethane	5.0 U	5.0	1	03/13/18 15:09	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 15:09	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:09	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:09	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:09	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 15:09	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 15:09	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 15:09	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 15:09	
cis-1,2-Dichloroethene	84	5.0	1	03/13/18 15:09	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 15:09	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 15:09	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 15:09	
Ethylbenzene	5.0 U	5.0	1	03/13/18 15:09	
Methylene Chloride	5.0 U	5.0	1	03/13/18 15:09	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 15:09	
Toluene	5.0 U	5.0	1	03/13/18 15:09	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 15:09	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 15:09	
Tetrachloroethene (PCE)	7.9	5.0	1	03/13/18 15:09	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 15:09	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 15:09	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 15:09	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 15:09	
o-Xylene	5.0 U	5.0	1	03/13/18 15:09	
Total Target Volatiles (TTV)	91.9	5.0	1	03/13/18 15:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:40
Date Received: 03/09/18 09:55

Sample Name: DUP-01 2018 Q1
Lab Code: R1802102-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/13/18 15:09	
Dibromofluoromethane	95	89 - 119	03/13/18 15:09	
Toluene-d8	97	87 - 121	03/13/18 15:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:45
Date Received: 03/09/18 09:55

Sample Name: EQUIPMENT BLANK 2018 Q1
Lab Code: R1802102-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 01:32	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 01:32	
Bromoform	5.0 U	5.0	1	03/14/18 01:32	
Bromomethane	5.0 U	5.0	1	03/14/18 01:32	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 01:32	
Chlorobenzene	5.0 U	5.0	1	03/14/18 01:32	
Chloroethane	5.0 U	5.0	1	03/14/18 01:32	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 01:32	
Chloroform	5.0 U	5.0	1	03/14/18 01:32	
Chloromethane	5.0 U	5.0	1	03/14/18 01:32	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 01:32	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 01:32	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 01:32	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 01:32	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 01:32	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 01:32	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 01:32	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 01:32	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 01:32	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 01:32	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 01:32	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 01:32	
Ethylbenzene	5.0 U	5.0	1	03/14/18 01:32	
Methylene Chloride	5.0 U	5.0	1	03/14/18 01:32	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 01:32	
Toluene	5.0 U	5.0	1	03/14/18 01:32	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 01:32	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 01:32	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/18 01:32	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 01:32	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 01:32	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 01:32	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 01:32	
o-Xylene	5.0 U	5.0	1	03/14/18 01:32	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/14/18 01:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:45
Date Received: 03/09/18 09:55

Sample Name: EQUIPMENT BLANK 2018 Q1
Lab Code: R1802102-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	03/14/18 01:32	
Dibromofluoromethane	95	89 - 119	03/14/18 01:32	
Toluene-d8	100	87 - 121	03/14/18 01:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:50
Date Received: 03/09/18 09:55

Sample Name: TRIP BLANK 1 2018 Q1
Lab Code: R1802102-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 01:55	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 01:55	
Bromoform	5.0 U	5.0	1	03/14/18 01:55	
Bromomethane	5.0 U	5.0	1	03/14/18 01:55	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 01:55	
Chlorobenzene	5.0 U	5.0	1	03/14/18 01:55	
Chloroethane	5.0 U	5.0	1	03/14/18 01:55	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 01:55	
Chloroform	5.0 U	5.0	1	03/14/18 01:55	
Chloromethane	5.0 U	5.0	1	03/14/18 01:55	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 01:55	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 01:55	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 01:55	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 01:55	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 01:55	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 01:55	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 01:55	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 01:55	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 01:55	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 01:55	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 01:55	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 01:55	
Ethylbenzene	5.0 U	5.0	1	03/14/18 01:55	
Methylene Chloride	5.0 U	5.0	1	03/14/18 01:55	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 01:55	
Toluene	5.0 U	5.0	1	03/14/18 01:55	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 01:55	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 01:55	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/18 01:55	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 01:55	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 01:55	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 01:55	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 01:55	
o-Xylene	5.0 U	5.0	1	03/14/18 01:55	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/14/18 01:55	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:50
Date Received: 03/09/18 09:55

Sample Name: TRIP BLANK 1 2018 Q1
Lab Code: R1802102-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/14/18 01:55	
Dibromofluoromethane	93	89 - 119	03/14/18 01:55	
Toluene-d8	96	87 - 121	03/14/18 01:55	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 09:30
Date Received: 03/10/18 11:00

Sample Name: OS-2R 2018 Q1
Lab Code: R1802102-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 15:31	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 15:31	
Bromoform	5.0 U	5.0	1	03/13/18 15:31	
Bromomethane	5.0 U	5.0	1	03/13/18 15:31	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 15:31	
Chlorobenzene	5.0 U	5.0	1	03/13/18 15:31	
Chloroethane	5.0 U	5.0	1	03/13/18 15:31	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 15:31	
Chloroform	5.0 U	5.0	1	03/13/18 15:31	
Chloromethane	5.0 U	5.0	1	03/13/18 15:31	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 15:31	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:31	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:31	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:31	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 15:31	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 15:31	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 15:31	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 15:31	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 15:31	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 15:31	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 15:31	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 15:31	
Ethylbenzene	5.0 U	5.0	1	03/13/18 15:31	
Methylene Chloride	5.0 U	5.0	1	03/13/18 15:31	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 15:31	
Toluene	5.0 U	5.0	1	03/13/18 15:31	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 15:31	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 15:31	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 15:31	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 15:31	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 15:31	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 15:31	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 15:31	
o-Xylene	5.0 U	5.0	1	03/13/18 15:31	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 15:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 09:30
Date Received: 03/10/18 11:00

Sample Name: OS-2R 2018 Q1
Lab Code: R1802102-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 15:31	
Dibromofluoromethane	92	89 - 119	03/13/18 15:31	
Toluene-d8	96	87 - 121	03/13/18 15:31	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 06:45
Date Received: 03/10/18 11:00

Sample Name: OS-5R 2018 Q1
Lab Code: R1802102-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 15:53	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 15:53	
Bromoform	5.0 U	5.0	1	03/13/18 15:53	
Bromomethane	5.0 U	5.0	1	03/13/18 15:53	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 15:53	
Chlorobenzene	5.0 U	5.0	1	03/13/18 15:53	
Chloroethane	5.0 U	5.0	1	03/13/18 15:53	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 15:53	
Chloroform	5.0 U	5.0	1	03/13/18 15:53	
Chloromethane	5.0 U	5.0	1	03/13/18 15:53	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 15:53	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:53	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:53	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 15:53	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 15:53	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 15:53	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 15:53	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 15:53	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 15:53	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 15:53	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 15:53	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 15:53	
Ethylbenzene	5.0 U	5.0	1	03/13/18 15:53	
Methylene Chloride	5.0 U	5.0	1	03/13/18 15:53	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 15:53	
Toluene	5.0 U	5.0	1	03/13/18 15:53	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 15:53	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 15:53	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 15:53	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 15:53	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 15:53	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 15:53	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 15:53	
o-Xylene	5.0 U	5.0	1	03/13/18 15:53	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 15:53	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 06:45
Date Received: 03/10/18 11:00

Sample Name: OS-5R 2018 Q1
Lab Code: R1802102-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	03/13/18 15:53	
Dibromofluoromethane	93	89 - 119	03/13/18 15:53	
Toluene-d8	97	87 - 121	03/13/18 15:53	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 07:15
Date Received: 03/10/18 11:00

Sample Name: OS-5D 2018 Q1
Lab Code: R1802102-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 16:16	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 16:16	
Bromoform	5.0 U	5.0	1	03/13/18 16:16	
Bromomethane	5.0 U	5.0	1	03/13/18 16:16	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 16:16	
Chlorobenzene	5.0 U	5.0	1	03/13/18 16:16	
Chloroethane	5.0 U	5.0	1	03/13/18 16:16	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 16:16	
Chloroform	5.0 U	5.0	1	03/13/18 16:16	
Chloromethane	5.0 U	5.0	1	03/13/18 16:16	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 16:16	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 16:16	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 16:16	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 16:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 16:16	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 16:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 16:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 16:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 16:16	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 16:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 16:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 16:16	
Ethylbenzene	5.0 U	5.0	1	03/13/18 16:16	
Methylene Chloride	5.0 U	5.0	1	03/13/18 16:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 16:16	
Toluene	5.0 U	5.0	1	03/13/18 16:16	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 16:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 16:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 16:16	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 16:16	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 16:16	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 16:16	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 16:16	
o-Xylene	5.0 U	5.0	1	03/13/18 16:16	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 16:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 07:15
Date Received: 03/10/18 11:00

Sample Name: OS-5D 2018 Q1
Lab Code: R1802102-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 16:16	
Dibromofluoromethane	94	89 - 119	03/13/18 16:16	
Toluene-d8	97	87 - 121	03/13/18 16:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:35
Date Received: 03/10/18 11:00

Sample Name: OS-6 2018 Q1
Lab Code: R1802102-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 16:38	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 16:38	
Bromoform	5.0 U	5.0	1	03/13/18 16:38	
Bromomethane	5.0 U	5.0	1	03/13/18 16:38	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 16:38	
Chlorobenzene	5.0 U	5.0	1	03/13/18 16:38	
Chloroethane	5.0 U	5.0	1	03/13/18 16:38	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 16:38	
Chloroform	5.0 U	5.0	1	03/13/18 16:38	
Chloromethane	5.0 U	5.0	1	03/13/18 16:38	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 16:38	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 16:38	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 16:38	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 16:38	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 16:38	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 16:38	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 16:38	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 16:38	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 16:38	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 16:38	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 16:38	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 16:38	
Ethylbenzene	5.0 U	5.0	1	03/13/18 16:38	
Methylene Chloride	5.0 U	5.0	1	03/13/18 16:38	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 16:38	
Toluene	5.0 U	5.0	1	03/13/18 16:38	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 16:38	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 16:38	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 16:38	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 16:38	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 16:38	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 16:38	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 16:38	
o-Xylene	5.0 U	5.0	1	03/13/18 16:38	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 16:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:35
Date Received: 03/10/18 11:00

Sample Name: OS-6 2018 Q1
Lab Code: R1802102-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	03/13/18 16:38	
Dibromofluoromethane	95	89 - 119	03/13/18 16:38	
Toluene-d8	98	87 - 121	03/13/18 16:38	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:55
Date Received: 03/10/18 11:00

Sample Name: OS-6R 2018 Q1
Lab Code: R1802102-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 17:00	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 17:00	
Bromoform	5.0 U	5.0	1	03/13/18 17:00	
Bromomethane	5.0 U	5.0	1	03/13/18 17:00	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 17:00	
Chlorobenzene	5.0 U	5.0	1	03/13/18 17:00	
Chloroethane	5.0 U	5.0	1	03/13/18 17:00	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 17:00	
Chloroform	5.0 U	5.0	1	03/13/18 17:00	
Chloromethane	5.0 U	5.0	1	03/13/18 17:00	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 17:00	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:00	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:00	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:00	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 17:00	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 17:00	
1,1-Dichloroethene (1,1-DCE)	5.0	5.0	1	03/13/18 17:00	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 17:00	
cis-1,2-Dichloroethene	17	5.0	1	03/13/18 17:00	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 17:00	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 17:00	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 17:00	
Ethylbenzene	5.0 U	5.0	1	03/13/18 17:00	
Methylene Chloride	5.0 U	5.0	1	03/13/18 17:00	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 17:00	
Toluene	5.0 U	5.0	1	03/13/18 17:00	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 17:00	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 17:00	
Tetrachloroethene (PCE)	20	5.0	1	03/13/18 17:00	
Trichloroethene (TCE)	16	5.0	1	03/13/18 17:00	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 17:00	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 17:00	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 17:00	
o-Xylene	5.0 U	5.0	1	03/13/18 17:00	
Total Target Volatiles (TTV)	58.0	5.0	1	03/13/18 17:00	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:55
Date Received: 03/10/18 11:00

Sample Name: OS-6R 2018 Q1
Lab Code: R1802102-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/13/18 17:00	
Dibromofluoromethane	95	89 - 119	03/13/18 17:00	
Toluene-d8	97	87 - 121	03/13/18 17:00	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 12:35
Date Received: 03/09/18 09:55

Sample Name: OS-7R 2018 Q1
Lab Code: R1802102-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 17:23	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 17:23	
Bromoform	5.0 U	5.0	1	03/13/18 17:23	
Bromomethane	5.0 U	5.0	1	03/13/18 17:23	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 17:23	
Chlorobenzene	5.0 U	5.0	1	03/13/18 17:23	
Chloroethane	5.0 U	5.0	1	03/13/18 17:23	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 17:23	
Chloroform	5.0 U	5.0	1	03/13/18 17:23	
Chloromethane	5.0 U	5.0	1	03/13/18 17:23	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 17:23	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:23	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:23	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 17:23	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 17:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 17:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 17:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 17:23	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 17:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 17:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 17:23	
Ethylbenzene	5.0 U	5.0	1	03/13/18 17:23	
Methylene Chloride	5.0 U	5.0	1	03/13/18 17:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 17:23	
Toluene	5.0 U	5.0	1	03/13/18 17:23	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 17:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 17:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 17:23	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 17:23	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 17:23	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 17:23	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 17:23	
o-Xylene	5.0 U	5.0	1	03/13/18 17:23	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 17:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 12:35
Date Received: 03/09/18 09:55

Sample Name: OS-7R 2018 Q1
Lab Code: R1802102-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	03/13/18 17:23	
Dibromofluoromethane	93	89 - 119	03/13/18 17:23	
Toluene-d8	97	87 - 121	03/13/18 17:23	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 13:10
Date Received: 03/09/18 09:55

Sample Name: OS-7D 2018 Q1
Lab Code: R1802102-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 17:45	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 17:45	
Bromoform	5.0 U	5.0	1	03/13/18 17:45	
Bromomethane	5.0 U	5.0	1	03/13/18 17:45	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 17:45	
Chlorobenzene	5.0 U	5.0	1	03/13/18 17:45	
Chloroethane	5.0 U	5.0	1	03/13/18 17:45	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 17:45	
Chloroform	5.0 U	5.0	1	03/13/18 17:45	
Chloromethane	5.0 U	5.0	1	03/13/18 17:45	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 17:45	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:45	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:45	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 17:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 17:45	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 17:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 17:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 17:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 17:45	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 17:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 17:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 17:45	
Ethylbenzene	5.0 U	5.0	1	03/13/18 17:45	
Methylene Chloride	5.0 U	5.0	1	03/13/18 17:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 17:45	
Toluene	5.0 U	5.0	1	03/13/18 17:45	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 17:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 17:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 17:45	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 17:45	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 17:45	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 17:45	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 17:45	
o-Xylene	5.0 U	5.0	1	03/13/18 17:45	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 17:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 13:10
Date Received: 03/09/18 09:55

Sample Name: OS-7D 2018 Q1
Lab Code: R1802102-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/13/18 17:45	
Dibromofluoromethane	94	89 - 119	03/13/18 17:45	
Toluene-d8	97	87 - 121	03/13/18 17:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 10:05
Date Received: 03/09/18 09:55

Sample Name: OS-9 2018 Q1
Lab Code: R1802102-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 18:07	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 18:07	
Bromoform	5.0 U	5.0	1	03/13/18 18:07	
Bromomethane	5.0 U	5.0	1	03/13/18 18:07	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 18:07	
Chlorobenzene	5.0 U	5.0	1	03/13/18 18:07	
Chloroethane	5.0 U	5.0	1	03/13/18 18:07	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 18:07	
Chloroform	5.0 U	5.0	1	03/13/18 18:07	
Chloromethane	5.0 U	5.0	1	03/13/18 18:07	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 18:07	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 18:07	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 18:07	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 18:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 18:07	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 18:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 18:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 18:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 18:07	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 18:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 18:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 18:07	
Ethylbenzene	5.0 U	5.0	1	03/13/18 18:07	
Methylene Chloride	5.0 U	5.0	1	03/13/18 18:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 18:07	
Toluene	5.0 U	5.0	1	03/13/18 18:07	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 18:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 18:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 18:07	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 18:07	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 18:07	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 18:07	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 18:07	
o-Xylene	5.0 U	5.0	1	03/13/18 18:07	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 18:07	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 10:05
Date Received: 03/09/18 09:55

Sample Name: OS-9 2018 Q1
Lab Code: R1802102-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	03/13/18 18:07	
Dibromofluoromethane	93	89 - 119	03/13/18 18:07	
Toluene-d8	96	87 - 121	03/13/18 18:07	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 10:20
Date Received: 03/09/18 09:55

Sample Name: OS-9R 2018 Q1
Lab Code: R1802102-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 13:49	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 13:49	
Bromoform	5.0 U	5.0	1	03/14/18 13:49	
Bromomethane	5.0 U	5.0	1	03/14/18 13:49	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 13:49	
Chlorobenzene	5.0 U	5.0	1	03/14/18 13:49	
Chloroethane	5.0 U	5.0	1	03/14/18 13:49	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 13:49	
Chloroform	5.0 U	5.0	1	03/14/18 13:49	
Chloromethane	5.0 U	5.0	1	03/14/18 13:49	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 13:49	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 13:49	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 13:49	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 13:49	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 13:49	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 13:49	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 13:49	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 13:49	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 13:49	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 13:49	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 13:49	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 13:49	
Ethylbenzene	5.0 U	5.0	1	03/14/18 13:49	
Methylene Chloride	5.0 U	5.0	1	03/14/18 13:49	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 13:49	
Toluene	5.0 U	5.0	1	03/14/18 13:49	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 13:49	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 13:49	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/18 13:49	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 13:49	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 13:49	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 13:49	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 13:49	
o-Xylene	5.0 U	5.0	1	03/14/18 13:49	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/14/18 13:49	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 10:20
Date Received: 03/09/18 09:55

Sample Name: OS-9R 2018 Q1
Lab Code: R1802102-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/14/18 13:49	
Dibromofluoromethane	91	89 - 119	03/14/18 13:49	
Toluene-d8	97	87 - 121	03/14/18 13:49	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:05
Date Received: 03/10/18 11:00

Sample Name: OS-11R 2018 Q1
Lab Code: R1802102-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 18:52	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 18:52	
Bromoform	5.0 U	5.0	1	03/13/18 18:52	
Bromomethane	5.0 U	5.0	1	03/13/18 18:52	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 18:52	
Chlorobenzene	5.0 U	5.0	1	03/13/18 18:52	
Chloroethane	5.0 U	5.0	1	03/13/18 18:52	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 18:52	
Chloroform	5.0 U	5.0	1	03/13/18 18:52	
Chloromethane	5.0 U	5.0	1	03/13/18 18:52	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 18:52	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 18:52	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 18:52	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 18:52	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 18:52	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 18:52	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 18:52	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 18:52	
cis-1,2-Dichloroethene	6.8	5.0	1	03/13/18 18:52	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 18:52	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 18:52	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 18:52	
Ethylbenzene	5.0 U	5.0	1	03/13/18 18:52	
Methylene Chloride	5.0 U	5.0	1	03/13/18 18:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 18:52	
Toluene	5.0 U	5.0	1	03/13/18 18:52	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 18:52	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 18:52	
Tetrachloroethene (PCE)	6.9	5.0	1	03/13/18 18:52	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 18:52	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 18:52	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 18:52	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 18:52	
o-Xylene	5.0 U	5.0	1	03/13/18 18:52	
Total Target Volatiles (TTV)	13.7	5.0	1	03/13/18 18:52	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:05
Date Received: 03/10/18 11:00

Sample Name: OS-11R 2018 Q1
Lab Code: R1802102-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	03/13/18 18:52	
Dibromofluoromethane	93	89 - 119	03/13/18 18:52	
Toluene-d8	95	87 - 121	03/13/18 18:52	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:00
Date Received: 03/10/18 11:00

Sample Name: OS-11D 2018 Q1
Lab Code: R1802102-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 19:14	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 19:14	
Bromoform	5.0 U	5.0	1	03/13/18 19:14	
Bromomethane	5.0 U	5.0	1	03/13/18 19:14	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 19:14	
Chlorobenzene	5.0 U	5.0	1	03/13/18 19:14	
Chloroethane	5.0 U	5.0	1	03/13/18 19:14	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 19:14	
Chloroform	5.0 U	5.0	1	03/13/18 19:14	
Chloromethane	5.0 U	5.0	1	03/13/18 19:14	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 19:14	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:14	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:14	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:14	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 19:14	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 19:14	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 19:14	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 19:14	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 19:14	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 19:14	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 19:14	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 19:14	
Ethylbenzene	5.0 U	5.0	1	03/13/18 19:14	
Methylene Chloride	5.0 U	5.0	1	03/13/18 19:14	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 19:14	
Toluene	5.0 U	5.0	1	03/13/18 19:14	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 19:14	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 19:14	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 19:14	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 19:14	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 19:14	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 19:14	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 19:14	
o-Xylene	5.0 U	5.0	1	03/13/18 19:14	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 19:14	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:00
Date Received: 03/10/18 11:00

Sample Name: OS-11D 2018 Q1
Lab Code: R1802102-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	03/13/18 19:14	
Dibromofluoromethane	96	89 - 119	03/13/18 19:14	
Toluene-d8	100	87 - 121	03/13/18 19:14	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 10:55
Date Received: 03/09/18 09:55

Sample Name: OS-12R 2018 Q1
Lab Code: R1802102-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 19:36	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 19:36	
Bromoform	5.0 U	5.0	1	03/13/18 19:36	
Bromomethane	5.0 U	5.0	1	03/13/18 19:36	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 19:36	
Chlorobenzene	5.0 U	5.0	1	03/13/18 19:36	
Chloroethane	5.0 U	5.0	1	03/13/18 19:36	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 19:36	
Chloroform	5.0 U	5.0	1	03/13/18 19:36	
Chloromethane	5.0 U	5.0	1	03/13/18 19:36	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 19:36	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:36	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:36	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 19:36	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 19:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 19:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 19:36	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 19:36	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 19:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 19:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 19:36	
Ethylbenzene	5.0 U	5.0	1	03/13/18 19:36	
Methylene Chloride	5.0 U	5.0	1	03/13/18 19:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 19:36	
Toluene	5.0 U	5.0	1	03/13/18 19:36	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 19:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 19:36	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 19:36	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 19:36	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 19:36	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 19:36	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 19:36	
o-Xylene	5.0 U	5.0	1	03/13/18 19:36	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 19:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 10:55
Date Received: 03/09/18 09:55

Sample Name: OS-12R 2018 Q1
Lab Code: R1802102-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 19:36	
Dibromofluoromethane	93	89 - 119	03/13/18 19:36	
Toluene-d8	96	87 - 121	03/13/18 19:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 11:30
Date Received: 03/09/18 09:55

Sample Name: OS-15R 2018 Q1
Lab Code: R1802102-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 19:59	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 19:59	
Bromoform	5.0 U	5.0	1	03/13/18 19:59	
Bromomethane	5.0 U	5.0	1	03/13/18 19:59	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 19:59	
Chlorobenzene	5.0 U	5.0	1	03/13/18 19:59	
Chloroethane	5.0 U	5.0	1	03/13/18 19:59	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 19:59	
Chloroform	5.0 U	5.0	1	03/13/18 19:59	
Chloromethane	5.0 U	5.0	1	03/13/18 19:59	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 19:59	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:59	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:59	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 19:59	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 19:59	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 19:59	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 19:59	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 19:59	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 19:59	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 19:59	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 19:59	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 19:59	
Ethylbenzene	5.0 U	5.0	1	03/13/18 19:59	
Methylene Chloride	5.0 U	5.0	1	03/13/18 19:59	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 19:59	
Toluene	5.0 U	5.0	1	03/13/18 19:59	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 19:59	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 19:59	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 19:59	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 19:59	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 19:59	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 19:59	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 19:59	
o-Xylene	5.0 U	5.0	1	03/13/18 19:59	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 19:59	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 11:30
Date Received: 03/09/18 09:55

Sample Name: OS-15R 2018 Q1
Lab Code: R1802102-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 19:59	
Dibromofluoromethane	93	89 - 119	03/13/18 19:59	
Toluene-d8	96	87 - 121	03/13/18 19:59	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 11:55
Date Received: 03/09/18 09:55

Sample Name: OS-15D 2018 Q1
Lab Code: R1802102-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 02:17	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 02:17	
Bromoform	5.0 U	5.0	1	03/14/18 02:17	
Bromomethane	5.0 U	5.0	1	03/14/18 02:17	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 02:17	
Chlorobenzene	5.0 U	5.0	1	03/14/18 02:17	
Chloroethane	5.0 U	5.0	1	03/14/18 02:17	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 02:17	
Chloroform	5.0 U	5.0	1	03/14/18 02:17	
Chloromethane	5.0 U	5.0	1	03/14/18 02:17	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 02:17	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 02:17	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 02:17	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 02:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 02:17	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 02:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 02:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 02:17	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 02:17	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 02:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 02:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 02:17	
Ethylbenzene	5.0 U	5.0	1	03/14/18 02:17	
Methylene Chloride	5.0 U	5.0	1	03/14/18 02:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 02:17	
Toluene	5.0 U	5.0	1	03/14/18 02:17	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 02:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 02:17	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/18 02:17	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 02:17	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 02:17	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 02:17	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 02:17	
o-Xylene	5.0 U	5.0	1	03/14/18 02:17	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/14/18 02:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 11:55
Date Received: 03/09/18 09:55

Sample Name: OS-15D 2018 Q1
Lab Code: R1802102-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	03/14/18 02:17	
Dibromofluoromethane	94	89 - 119	03/14/18 02:17	
Toluene-d8	97	87 - 121	03/14/18 02:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:10
Date Received: 03/10/18 11:00

Sample Name: DUP-02 2018 Q1
Lab Code: R1802102-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 02:39	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 02:39	
Bromoform	5.0 U	5.0	1	03/14/18 02:39	
Bromomethane	5.0 U	5.0	1	03/14/18 02:39	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 02:39	
Chlorobenzene	5.0 U	5.0	1	03/14/18 02:39	
Chloroethane	5.0 U	5.0	1	03/14/18 02:39	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 02:39	
Chloroform	5.0 U	5.0	1	03/14/18 02:39	
Chloromethane	5.0 U	5.0	1	03/14/18 02:39	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 02:39	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 02:39	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 02:39	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 02:39	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 02:39	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 02:39	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 02:39	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 02:39	
cis-1,2-Dichloroethene	6.8	5.0	1	03/14/18 02:39	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 02:39	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 02:39	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 02:39	
Ethylbenzene	5.0 U	5.0	1	03/14/18 02:39	
Methylene Chloride	5.0 U	5.0	1	03/14/18 02:39	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 02:39	
Toluene	5.0 U	5.0	1	03/14/18 02:39	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 02:39	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 02:39	
Tetrachloroethene (PCE)	7.0	5.0	1	03/14/18 02:39	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 02:39	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 02:39	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 02:39	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 02:39	
o-Xylene	5.0 U	5.0	1	03/14/18 02:39	
Total Target Volatiles (TTV)	13.8	5.0	1	03/14/18 02:39	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 08:10
Date Received: 03/10/18 11:00

Sample Name: DUP-02 2018 Q1
Lab Code: R1802102-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	03/14/18 02:39	
Dibromofluoromethane	97	89 - 119	03/14/18 02:39	
Toluene-d8	100	87 - 121	03/14/18 02:39	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 06:40
Date Received: 03/10/18 11:00

Sample Name: TRIP BLANK 2 2018 Q1
Lab Code: R1802102-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 03:01	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 03:01	
Bromoform	5.0 U	5.0	1	03/14/18 03:01	
Bromomethane	5.0 U	5.0	1	03/14/18 03:01	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 03:01	
Chlorobenzene	5.0 U	5.0	1	03/14/18 03:01	
Chloroethane	5.0 U	5.0	1	03/14/18 03:01	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 03:01	
Chloroform	5.0 U	5.0	1	03/14/18 03:01	
Chloromethane	5.0 U	5.0	1	03/14/18 03:01	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 03:01	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 03:01	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 03:01	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 03:01	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 03:01	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 03:01	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 03:01	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 03:01	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 03:01	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 03:01	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 03:01	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 03:01	
Ethylbenzene	5.0 U	5.0	1	03/14/18 03:01	
Methylene Chloride	5.0 U	5.0	1	03/14/18 03:01	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 03:01	
Toluene	5.0 U	5.0	1	03/14/18 03:01	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 03:01	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 03:01	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/18 03:01	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 03:01	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 03:01	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 03:01	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 03:01	
o-Xylene	5.0 U	5.0	1	03/14/18 03:01	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/14/18 03:01	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18 06:40
Date Received: 03/10/18 11:00

Sample Name: TRIP BLANK 2 2018 Q1
Lab Code: R1802102-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	03/14/18 03:01	
Dibromofluoromethane	95	89 - 119	03/14/18 03:01	
Toluene-d8	99	87 - 121	03/14/18 03:01	



Semivolatile Organic Compounds by GC

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:10
Date Received: 03/09/18 09:55

Sample Name: W-2 2018 Q1
Lab Code: R1802102-001

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	03/15/18 08:44	3/14/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	72	50 - 150	03/15/18 08:44	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:35
Date Received: 03/09/18 09:55

Sample Name: PW-2 2018 Q1
Lab Code: R1802102-007

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	03/15/18 09:07	3/14/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	68	50 - 150	03/15/18 09:07	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:40
Date Received: 03/09/18 09:55

Sample Name: DUP-01 2018 Q1
Lab Code: R1802102-009

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	03/15/18 09:29	3/14/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	73	50 - 150	03/15/18 09:29	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/08/18 07:45
Date Received: 03/09/18 09:55

Sample Name: EQUIPMENT BLANK 2018 Q1
Lab Code: R1802102-010

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	03/15/18 09:52	3/14/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	87	50 - 150	03/15/18 09:52	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
W-2 2018 Q1	R1802102-001	95	94	98
U-6D 2018 Q1	R1802102-002	93	94	96
OW-1 2018 Q1	R1802102-005	94	93	96
OW-2 2018 Q1	R1802102-006	94	93	95
PW-2 2018 Q1	R1802102-007	94	95	96
RI-6 2018 Q1	R1802102-008	95	95	98
DUP-01 2018 Q1	R1802102-009	93	95	97
EQUIPMENT BLANK 2018 Q1	R1802102-010	98	95	100
TRIP BLANK 1 2018 Q1	R1802102-011	93	93	96
OS-2R 2018 Q1	R1802102-012	95	92	96
OS-5R 2018 Q1	R1802102-013	96	93	97
OS-5D 2018 Q1	R1802102-014	95	94	97
OS-6 2018 Q1	R1802102-015	97	95	98
OS-6R 2018 Q1	R1802102-016	94	95	97
OS-7R 2018 Q1	R1802102-017	94	93	97
OS-7D 2018 Q1	R1802102-018	93	94	97
OS-9 2018 Q1	R1802102-019	93	93	96
OS-9R 2018 Q1	R1802102-020	95	91	97
OS-11R 2018 Q1	R1802102-021	92	93	95
OS-11D 2018 Q1	R1802102-022	96	96	100
OS-12R 2018 Q1	R1802102-023	95	93	96
OS-15R 2018 Q1	R1802102-024	95	93	96
OS-15D 2018 Q1	R1802102-025	96	94	97
DUP-02 2018 Q1	R1802102-026	97	97	100
TRIP BLANK 2 2018 Q1	R1802102-028	97	95	99
Lab Control Sample	RQ1802245-03	98	97	99
Method Blank	RQ1802245-04	96	93	96
OS-2R 2018 Q1 MS	RQ1802245-05	99	101	100
OS-2R 2018 Q1 DMS	RQ1802245-06	99	100	98
Lab Control Sample	RQ1802349-03	100	99	98
Method Blank	RQ1802349-04	95	95	97
Lab Control Sample	RQ1802365-03	97	97	96
Method Blank	RQ1802365-04	95	95	98

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: 03/09/18
Date Received: 03/10/18
Date Analyzed: 03/13/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OS-2R 2018 Q1
Lab Code: R1802102-012
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1802245-05				Duplicate Matrix Spike RQ1802245-06				% Rec Limits	RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
Benzene	5.0 U	52.4	50.0	105	52.1	50.0	104	76-129	<1	30	
Bromodichloromethane	5.0 U	50.1	50.0	100	50.5	50.0	101	76-127	<1	30	
Bromoform	5.0 U	40.7	50.0	81	41.7	50.0	83	58-133	2	30	
Bromomethane	5.0 U	50.6	50.0	101	50.1	50.0	100	10-162	1	30	
Carbon Tetrachloride	5.0 U	49.4	50.0	99	50.3	50.0	101	65-135	2	30	
Chlorobenzene	5.0 U	48.4	50.0	97	48.1	50.0	96	76-125	<1	30	
Chloroethane	5.0 U	49.7	50.0	99	49.5	50.0	99	70-140	<1	30	
2-Chloroethyl Vinyl Ether	5.0 U	62.6	50.0	125	64.9	50.0	130	10-179	3	30	
Chloroform	5.0 U	56.2	50.0	112	55.5	50.0	111	75-130	1	30	
Chloromethane	5.0 U	44.6	50.0	89	44.6	50.0	89	55-160	<1	30	
Dibromochloromethane	5.0 U	45.2	50.0	90	45.8	50.0	92	72-128	1	30	
1,2-Dichlorobenzene	5.0 U	47.0	50.0	94	46.7	50.0	93	77-120	<1	30	
1,3-Dichlorobenzene	5.0 U	47.5	50.0	95	46.7	50.0	93	74-125	2	30	
1,4-Dichlorobenzene	5.0 U	46.0	50.0	92	45.5	50.0	91	72-124	1	30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	56.4	50.0	113	56.0	50.0	112	74-132	<1	30	
1,2-Dichloroethane	5.0 U	55.5	50.0	111	54.3	50.0	109	68-130	2	30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	54.0	50.0	108	54.6	50.0	109	74-139	1	30	
trans-1,2-Dichloroethene	5.0 U	54.2	50.0	108	53.8	50.0	108	77-125	<1	30	
cis-1,2-Dichloroethene	5.0 U	52.7	50.0	105	52.6	50.0	105	72-133	<1	30	
1,2-Dichloropropane	5.0 U	52.1	50.0	104	51.9	50.0	104	79-124	<1	30	
cis-1,3-Dichloropropene	5.0 U	48.8	50.0	98	49.2	50.0	98	52-134	<1	30	
trans-1,3-Dichloropropene	5.0 U	46.1	50.0	92	46.5	50.0	93	50-142	<1	30	
Ethylbenzene	5.0 U	50.6	50.0	101	50.4	50.0	101	72-134	<1	30	
Methylene Chloride	5.0 U	51.7	50.0	103	51.3	50.0	103	75-121	<1	30	
1,1,2,2-Tetrachloroethane	5.0 U	46.9	50.0	94	46.3	50.0	93	72-122	1	30	
Toluene	5.0 U	52.1	50.0	104	51.5	50.0	103	79-125	1	30	
1,1,1-Trichloroethane (TCA)	5.0 U	53.2	50.0	106	53.5	50.0	107	74-127	<1	30	
1,1,2-Trichloroethane	5.0 U	49.1	50.0	98	49.0	50.0	98	79-119	<1	30	
Tetrachloroethene (PCE)	5.0 U	51.5	50.0	103	51.4	50.0	103	67-137	<1	30	
Trichloroethene (TCE)	5.0 U	52.4	50.0	105	51.4	50.0	103	62-142	2	30	
Trichlorofluoromethane (CFC 11)	5.0 U	63.1	50.0	126	61.6	50.0	123	72-142	2	30	
Vinyl Chloride	5.0 U	54.9	50.0	110	54.5	50.0	109	60-157	<1	30	
m,p-Xylenes	5.0 U	101	100	101	100	100	100	68-138	<1	30	
o-Xylene	5.0 U	50.4	50.0	101	51.0	50.0	102	68-134	1	30	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802245-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 12:33	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 12:33	
Bromoform	5.0 U	5.0	1	03/13/18 12:33	
Bromomethane	5.0 U	5.0	1	03/13/18 12:33	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 12:33	
Chlorobenzene	5.0 U	5.0	1	03/13/18 12:33	
Chloroethane	5.0 U	5.0	1	03/13/18 12:33	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 12:33	
Chloroform	5.0 U	5.0	1	03/13/18 12:33	
Chloromethane	5.0 U	5.0	1	03/13/18 12:33	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 12:33	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 12:33	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 12:33	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 12:33	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 12:33	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 12:33	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 12:33	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 12:33	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 12:33	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 12:33	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 12:33	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 12:33	
Ethylbenzene	5.0 U	5.0	1	03/13/18 12:33	
Methylene Chloride	5.0 U	5.0	1	03/13/18 12:33	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 12:33	
Toluene	5.0 U	5.0	1	03/13/18 12:33	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 12:33	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 12:33	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 12:33	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 12:33	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 12:33	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 12:33	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 12:33	
o-Xylene	5.0 U	5.0	1	03/13/18 12:33	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 12:33	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802245-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	03/13/18 12:33	
Dibromofluoromethane	93	89 - 119	03/13/18 12:33	
Toluene-d8	96	87 - 121	03/13/18 12:33	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802349-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/14/18 13:26	
Bromodichloromethane	5.0 U	5.0	1	03/14/18 13:26	
Bromoform	5.0 U	5.0	1	03/14/18 13:26	
Bromomethane	5.0 U	5.0	1	03/14/18 13:26	
Carbon Tetrachloride	5.0 U	5.0	1	03/14/18 13:26	
Chlorobenzene	5.0 U	5.0	1	03/14/18 13:26	
Chloroethane	5.0 U	5.0	1	03/14/18 13:26	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/14/18 13:26	
Chloroform	5.0 U	5.0	1	03/14/18 13:26	
Chloromethane	5.0 U	5.0	1	03/14/18 13:26	
Dibromochloromethane	5.0 U	5.0	1	03/14/18 13:26	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/14/18 13:26	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/14/18 13:26	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/14/18 13:26	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/14/18 13:26	
1,2-Dichloroethane	5.0 U	5.0	1	03/14/18 13:26	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/14/18 13:26	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 13:26	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/14/18 13:26	
1,2-Dichloropropane	5.0 U	5.0	1	03/14/18 13:26	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 13:26	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/14/18 13:26	
Ethylbenzene	5.0 U	5.0	1	03/14/18 13:26	
Methylene Chloride	5.0 U	5.0	1	03/14/18 13:26	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/14/18 13:26	
Toluene	5.0 U	5.0	1	03/14/18 13:26	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/14/18 13:26	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/14/18 13:26	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/14/18 13:26	
Trichloroethene (TCE)	5.0 U	5.0	1	03/14/18 13:26	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/14/18 13:26	
Vinyl Chloride	5.0 U	5.0	1	03/14/18 13:26	
m,p-Xylenes	5.0 U	5.0	1	03/14/18 13:26	
o-Xylene	5.0 U	5.0	1	03/14/18 13:26	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/14/18 13:26	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802349-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/14/18 13:26	
Dibromofluoromethane	95	89 - 119	03/14/18 13:26	
Toluene-d8	97	87 - 121	03/14/18 13:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802365-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	03/13/18 22:57	
Bromodichloromethane	5.0 U	5.0	1	03/13/18 22:57	
Bromoform	5.0 U	5.0	1	03/13/18 22:57	
Bromomethane	5.0 U	5.0	1	03/13/18 22:57	
Carbon Tetrachloride	5.0 U	5.0	1	03/13/18 22:57	
Chlorobenzene	5.0 U	5.0	1	03/13/18 22:57	
Chloroethane	5.0 U	5.0	1	03/13/18 22:57	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	03/13/18 22:57	
Chloroform	5.0 U	5.0	1	03/13/18 22:57	
Chloromethane	5.0 U	5.0	1	03/13/18 22:57	
Dibromochloromethane	5.0 U	5.0	1	03/13/18 22:57	
1,2-Dichlorobenzene	5.0 U	5.0	1	03/13/18 22:57	
1,3-Dichlorobenzene	5.0 U	5.0	1	03/13/18 22:57	
1,4-Dichlorobenzene	5.0 U	5.0	1	03/13/18 22:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	03/13/18 22:57	
1,2-Dichloroethane	5.0 U	5.0	1	03/13/18 22:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	03/13/18 22:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 22:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1	03/13/18 22:57	
1,2-Dichloropropane	5.0 U	5.0	1	03/13/18 22:57	
cis-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 22:57	
trans-1,3-Dichloropropene	5.0 U	5.0	1	03/13/18 22:57	
Ethylbenzene	5.0 U	5.0	1	03/13/18 22:57	
Methylene Chloride	5.0 U	5.0	1	03/13/18 22:57	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	03/13/18 22:57	
Toluene	5.0 U	5.0	1	03/13/18 22:57	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	03/13/18 22:57	
1,1,2-Trichloroethane	5.0 U	5.0	1	03/13/18 22:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1	03/13/18 22:57	
Trichloroethene (TCE)	5.0 U	5.0	1	03/13/18 22:57	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	03/13/18 22:57	
Vinyl Chloride	5.0 U	5.0	1	03/13/18 22:57	
m,p-Xylenes	5.0 U	5.0	1	03/13/18 22:57	
o-Xylene	5.0 U	5.0	1	03/13/18 22:57	
Total Target Volatiles (TTV)	5.0 U	5.0	1	03/13/18 22:57	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802365-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	03/13/18 22:57	
Dibromofluoromethane	95	89 - 119	03/13/18 22:57	
Toluene-d8	98	87 - 121	03/13/18 22:57	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/13/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1802245-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	20.7	20.0	104	76-118
Bromodichloromethane	8260C	20.2	20.0	101	78-126
Bromoform	8260C	15.5	20.0	78	71-136
Bromomethane	8260C	20.6	20.0	103	42-166
Carbon Tetrachloride	8260C	18.5	20.0	92	68-125
Chlorobenzene	8260C	19.6	20.0	98	80-121
Chloroethane	8260C	19.2	20.0	96	70-127
2-Chloroethyl Vinyl Ether	8260C	26.2	20.0	131	49-145
Chloroform	8260C	21.9	20.0	109	76-120
Chloromethane	8260C	18.1	20.0	90	69-145
Dibromochloromethane	8260C	18.0	20.0	90	77-128
1,2-Dichlorobenzene	8260C	19.9	20.0	100	80-119
1,3-Dichlorobenzene	8260C	19.7	20.0	98	79-121
1,4-Dichlorobenzene	8260C	19.5	20.0	98	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	22.8	20.0	114	78-117
1,2-Dichloroethane	8260C	22.7	20.0	113	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	20.8	20.0	104	74-135
trans-1,2-Dichloroethene	8260C	21.6	20.0	108	80-120
cis-1,2-Dichloroethene	8260C	20.9	20.0	104	80-121
1,2-Dichloropropane	8260C	21.2	20.0	106	80-119
cis-1,3-Dichloropropene	8260C	20.4	20.0	102	74-126
trans-1,3-Dichloropropene	8260C	19.0	20.0	95	67-135
Ethylbenzene	8260C	19.4	20.0	97	76-120
Methylene Chloride	8260C	21.5	20.0	107	73-122
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	91	78-122
Toluene	8260C	20.2	20.0	101	77-120
1,1,1-Trichloroethane (TCA)	8260C	20.7	20.0	103	74-120
1,1,2-Trichloroethane	8260C	20.2	20.0	101	82-118
Tetrachloroethene (PCE)	8260C	19.0	20.0	95	78-124
Trichloroethene (TCE)	8260C	20.6	20.0	103	78-123
Trichlorofluoromethane (CFC 11)	8260C	23.1	20.0	115	68-126
Vinyl Chloride	8260C	21.3	20.0	106	69-133
m,p-Xylenes	8260C	39.3	40.0	98	78-123

ALS Group USA, Corp.

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/13/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1802245-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	20.0	20.0	100	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/14/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1802349-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	18.8	20.0	94	76-118
Bromodichloromethane	8260C	18.3	20.0	92	78-126
Bromoform	8260C	14.8	20.0	74	71-136
Bromomethane	8260C	21.3	20.0	107	42-166
Carbon Tetrachloride	8260C	16.1	20.0	81	68-125
Chlorobenzene	8260C	17.4	20.0	87	80-121
Chloroethane	8260C	17.0	20.0	85	70-127
2-Chloroethyl Vinyl Ether	8260C	21.5	20.0	107	49-145
Chloroform	8260C	20.0	20.0	100	76-120
Chloromethane	8260C	15.9	20.0	80	69-145
Dibromochloromethane	8260C	16.6	20.0	83	77-128
1,2-Dichlorobenzene	8260C	17.9	20.0	90	80-119
1,3-Dichlorobenzene	8260C	17.6	20.0	88	79-121
1,4-Dichlorobenzene	8260C	17.5	20.0	87	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	20.2	20.0	101	78-117
1,2-Dichloroethane	8260C	21.3	20.0	106	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	18.5	20.0	92	74-135
trans-1,2-Dichloroethene	8260C	18.7	20.0	93	80-120
cis-1,2-Dichloroethene	8260C	18.2	20.0	91	80-121
1,2-Dichloropropane	8260C	19.1	20.0	95	80-119
cis-1,3-Dichloropropene	8260C	17.6	20.0	88	74-126
trans-1,3-Dichloropropene	8260C	17.1	20.0	86	67-135
Ethylbenzene	8260C	16.9	20.0	84	76-120
Methylene Chloride	8260C	19.1	20.0	95	73-122
1,1,2,2-Tetrachloroethane	8260C	18.1	20.0	90	78-122
Toluene	8260C	18.1	20.0	90	77-120
1,1,1-Trichloroethane (TCA)	8260C	18.0	20.0	90	74-120
1,1,2-Trichloroethane	8260C	18.9	20.0	94	82-118
Tetrachloroethene (PCE)	8260C	16.7	20.0	84	78-124
Trichloroethene (TCE)	8260C	18.1	20.0	91	78-123
Trichlorofluoromethane (CFC 11)	8260C	21.2	20.0	106	68-126
Vinyl Chloride	8260C	18.6	20.0	93	69-133
m,p-Xylenes	8260C	34.1	40.0	85	78-123

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/14/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1802349-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	17.3	20.0	87	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/13/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1802365-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	21.2	20.0	106	76-118
Bromodichloromethane	8260C	20.4	20.0	102	78-126
Bromoform	8260C	16.5	20.0	83	71-136
Bromomethane	8260C	23.4	20.0	117	42-166
Carbon Tetrachloride	8260C	18.6	20.0	93	68-125
Chlorobenzene	8260C	19.9	20.0	99	80-121
Chloroethane	8260C	19.6	20.0	98	70-127
2-Chloroethyl Vinyl Ether	8260C	26.6	20.0	133	49-145
Chloroform	8260C	22.3	20.0	112	76-120
Chloromethane	8260C	18.3	20.0	91	69-145
Dibromochloromethane	8260C	18.3	20.0	92	77-128
1,2-Dichlorobenzene	8260C	19.8	20.0	99	80-119
1,3-Dichlorobenzene	8260C	19.9	20.0	100	79-121
1,4-Dichlorobenzene	8260C	19.4	20.0	97	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	22.6	20.0	113	78-117
1,2-Dichloroethane	8260C	23.9	20.0	120	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	21.1	20.0	105	74-135
trans-1,2-Dichloroethene	8260C	21.5	20.0	108	80-120
cis-1,2-Dichloroethene	8260C	20.7	20.0	104	80-121
1,2-Dichloropropane	8260C	21.8	20.0	109	80-119
cis-1,3-Dichloropropene	8260C	19.9	20.0	100	74-126
trans-1,3-Dichloropropene	8260C	18.8	20.0	94	67-135
Ethylbenzene	8260C	19.9	20.0	100	76-120
Methylene Chloride	8260C	21.9	20.0	110	73-122
1,1,2,2-Tetrachloroethane	8260C	18.3	20.0	91	78-122
Toluene	8260C	20.4	20.0	102	77-120
1,1,1-Trichloroethane (TCA)	8260C	20.7	20.0	103	74-120
1,1,2-Trichloroethane	8260C	21.1	20.0	105	82-118
Tetrachloroethene (PCE)	8260C	19.1	20.0	95	78-124
Trichloroethene (TCE)	8260C	21.8	20.0	109	78-123
Trichlorofluoromethane (CFC 11)	8260C	24.3	20.0	121	68-126
Vinyl Chloride	8260C	21.5	20.0	107	69-133
m,p-Xylenes	8260C	39.5	40.0	99	78-123

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/13/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1802365-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	20.1	20.0	100	80-120

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/13/18

**Continuing Calibration Verification Summary
 Volatile Organic Compounds by GC/MS, Unpreserved**

Analytical Method: 8260C

Calibration Date: 1/23/18

Calibration ID: RC1800022

File ID: I:\ACQUDATA\MSVOA14\Data\031318\C5443.D\

Analysis Lot: 583388

Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	48.5	1.376	1.334	-3.1	NA	± 20 %	Average RF
Bromodichloromethane	50.0	46.9	0.4805	0.4511	-6.1	NA	± 20 %	Average RF
Bromoform	50.0	37.8	0.3270	0.2473	-24.4 *	NA	± 20 %	Average RF
Bromomethane	50.0	55.6	NA	NA	NA	11.3	± 20 %	Quadratic
Carbon Tetrachloride	50.0	45.8	0.4768	0.4364	-8.5	NA	± 20 %	Average RF
Chlorobenzene	50.0	46.7	1.143	1.067	-6.6	NA	± 20 %	Average RF
Chloroethane	50.0	56.6	0.3627	0.4104	13.2	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	57.8	0.1487	0.1718	15.6	NA	± 20 %	Average RF
Chloroform	50.0	50.8	0.9326	0.9476	1.6	NA	± 20 %	Average RF
Chloromethane	50.0	47.0	0.7799	0.7329	-6.0	NA	± 20 %	Average RF
Dibromochloromethane	50.0	43.2	0.4471	0.3867	-13.5	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	44.9	1.705	1.530	-10.3	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	45.0	1.722	1.550	-10.0	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	44.3	1.788	1.583	-11.5	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.6	0.9156	0.9625	5.1	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	50.8	0.5464	0.5553	1.6	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.8	0.4598	0.4668	1.5	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	51.0	0.4951	0.5048	2.0	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	48.6	0.5894	0.5732	-2.7	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	48.8	0.3714	0.3626	-2.4	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	47.5	0.6065	0.5757	-5.1	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	45.9	0.5749	0.5273	-8.3	NA	± 20 %	Average RF
Ethylbenzene	50.0	47.0	0.6021	0.5659	-6.0	NA	± 20 %	Average RF
Methylene Chloride	50.0	49.7	0.5250	0.5224	-0.5	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	40.4	1.126	0.9094	-19.2	NA	± 20 %	Average RF
Toluene	50.0	47.3	1.518	1.436	-5.4	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	49.3	0.8288	0.8176	-1.4	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	45.5	0.3613	0.3290	-8.9	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	45.7	0.3483	0.3182	-8.6	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	47.5	0.3824	0.3636	-4.9	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	54.8	0.7236	0.7931	9.6	NA	± 20 %	Average RF
Vinyl Chloride	50.0	53.9	0.6346	0.6844	7.8	NA	± 20 %	Average RF
m,p-Xylenes	100	93.7	0.7503	0.7032	-6.3	NA	± 20 %	Average RF
o-Xylene	50.0	47.5	0.7345	0.6976	-5.0	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	49.7	0.5016	0.4984	-0.6	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	48.4	0.3315	0.3209	-3.2	NA	± 20 %	Average RF
Toluene-d8	50.0	48.9	1.248	1.221	-2.2	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/14/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Calibration Date: 1/23/18

Calibration ID: RC1800022

File ID: I:\ACQUDATA\MSVOA14\Data\031418\C5505.D\

Analysis Lot: 583596

Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	46.4	1.376	1.277	-7.2	NA	± 20 %	Average RF
Bromodichloromethane	50.0	46.6	0.4805	0.4476	-6.9	NA	± 20 %	Average RF
Bromoform	50.0	37.4	0.3270	0.2445	-25.2 *	NA	± 20 %	Average RF
Bromomethane	50.0	56.3	NA	NA	NA	12.6	± 20 %	Quadratic
Carbon Tetrachloride	50.0	43.4	0.4768	0.4135	-13.3	NA	± 20 %	Average RF
Chlorobenzene	50.0	44.8	1.143	1.024	-10.4	NA	± 20 %	Average RF
Chloroethane	50.0	52.8	0.3627	0.3833	5.7	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	54.4	0.1487	0.1616	8.7	NA	± 20 %	Average RF
Chloroform	50.0	48.4	0.9326	0.9029	-3.2	NA	± 20 %	Average RF
Chloromethane	50.0	42.3	0.7799	0.6603	-15.3	NA	± 20 %	Average RF
Dibromochloromethane	50.0	42.6	0.4471	0.3805	-14.9	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	44.9	1.705	1.531	-10.2	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	44.7	1.722	1.540	-10.6	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	43.7	1.788	1.563	-12.6	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	48.3	0.9156	0.8847	-3.4	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	51.7	0.5464	0.5652	3.4	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.2	0.4598	0.4246	-7.7	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	47.1	0.4951	0.4666	-5.7	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	46.0	0.5894	0.5428	-7.9	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	47.3	0.3714	0.3515	-5.4	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	45.6	0.6065	0.5525	-8.9	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	43.9	0.5749	0.5044	-12.3	NA	± 20 %	Average RF
Ethylbenzene	50.0	44.9	0.6021	0.5408	-10.2	NA	± 20 %	Average RF
Methylene Chloride	50.0	47.2	0.5250	0.4961	-5.5	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	41.5	1.126	0.9348	-16.9	NA	± 20 %	Average RF
Toluene	50.0	45.9	1.518	1.395	-8.1	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	46.1	0.8288	0.7639	-7.8	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	45.7	0.3613	0.3303	-8.6	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	43.8	0.3483	0.3048	-12.5	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	44.9	0.3824	0.3437	-10.1	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	51.8	0.7236	0.7493	3.6	NA	± 20 %	Average RF
Vinyl Chloride	50.0	48.7	0.6346	0.6177	-2.7	NA	± 20 %	Average RF
m,p-Xylenes	100	89.3	0.7503	0.6700	-10.7	NA	± 20 %	Average RF
o-Xylene	50.0	45.0	0.7345	0.6604	-10.1	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	49.8	0.5016	0.4993	-0.5	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	49.7	0.3315	0.3294	-0.6	NA	± 20 %	Average RF
Toluene-d8	50.0	49.4	1.248	1.233	-1.2	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/13/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Calibration Date: 1/23/18

Calibration ID: RC1800022

File ID: I:\ACQUDATA\MSVOA14\Data\031318\C5472.D\

Analysis Lot: 583391

Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	48.2	1.376	1.327	-3.6	NA	± 20 %	Average RF
Bromodichloromethane	50.0	49.2	0.4805	0.4732	-1.5	NA	± 20 %	Average RF
Bromoform	50.0	42.4	0.3270	0.2774	-15.2	NA	± 20 %	Average RF
Bromomethane	50.0	57.4	NA	NA	NA	14.8	± 20 %	Quadratic
Carbon Tetrachloride	50.0	44.6	0.4768	0.4248	-10.9	NA	± 20 %	Average RF
Chlorobenzene	50.0	46.6	1.143	1.064	-6.8	NA	± 20 %	Average RF
Chloroethane	50.0	54.9	0.3627	0.3982	9.8	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	68.5	0.1487	0.2037	37.0 *	NA	± 20 %	Average RF
Chloroform	50.0	50.4	0.9326	0.9393	0.7	NA	± 20 %	Average RF
Chloromethane	50.0	44.8	0.7799	0.6990	-10.4	NA	± 20 %	Average RF
Dibromochloromethane	50.0	46.2	0.4471	0.4128	-7.7	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	47.6	1.705	1.622	-4.9	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	46.2	1.722	1.591	-7.6	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	45.6	1.788	1.631	-8.8	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	51.1	0.9156	0.9348	2.1	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	55.7	0.5464	0.6090	11.4	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	47.3	0.4598	0.4346	-5.5	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	48.4	0.4951	0.4791	-3.2	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	47.4	0.5894	0.5586	-5.2	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	50.4	0.3714	0.3744	0.8	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	47.9	0.6065	0.5812	-4.2	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	47.0	0.5749	0.5405	-6.0	NA	± 20 %	Average RF
Ethylbenzene	50.0	45.9	0.6021	0.5529	-8.2	NA	± 20 %	Average RF
Methylene Chloride	50.0	49.3	0.5250	0.5175	-1.4	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	44.5	1.126	1.001	-11.1	NA	± 20 %	Average RF
Toluene	50.0	47.5	1.518	1.442	-5.0	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	47.6	0.8288	0.7889	-4.8	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	49.6	0.3613	0.3587	-0.7	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	43.7	0.3483	0.3046	-12.5	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	49.2	0.3824	0.3760	-1.7	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	52.8	0.7236	0.7646	5.7	NA	± 20 %	Average RF
Vinyl Chloride	50.0	50.3	0.6346	0.6384	0.6	NA	± 20 %	Average RF
m,p-Xylenes	100	92.2	0.7503	0.6917	-7.8	NA	± 20 %	Average RF
o-Xylene	50.0	46.9	0.7345	0.6887	-6.2	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	50.7	0.5016	0.5090	1.5	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	49.8	0.3315	0.3303	-0.4	NA	± 20 %	Average RF
Toluene-d8	50.0	50.0	1.248	1.249	0.1	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/13/18 10:46

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

File ID: I:\ACQUADATA\MSVOA14\Data\031318\C5443.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ1802245-02
Analysis Lot: 583388
Signal ID: 1

	Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	422,917	9.58	471,865	5.94	237,365	11.74
Upper Limit ==>	845,834	10.08	943,730	6.44	474,730	12.24
Lower Limit ==>	211,459	9.08	235,933	5.44	118,683	11.24
ICAL Result ==>	329,712	9.58	371,591	5.94	185,896	11.74

Associated Analyses

Lab Control Sample	RQ1802245-03	417,101	9.58	463,141	5.94	226,941	11.74
Method Blank	RQ1802245-04	379,065	9.58	428,169	5.94	204,453	11.74
W-2 2018 Q1	R1802102-001	373,176	9.58	425,391	5.94	201,272	11.74
U-6D 2018 Q1	R1802102-002	367,909	9.58	420,526	5.94	197,377	11.74
OW-1 2018 Q1	R1802102-005	369,730	9.58	420,680	5.94	199,899	11.74
OW-2 2018 Q1	R1802102-006	365,582	9.58	416,982	5.94	198,250	11.74
PW-2 2018 Q1	R1802102-007	376,029	9.58	423,528	5.94	203,709	11.74
RI-6 2018 Q1	R1802102-008	366,337	9.58	408,692	5.94	195,494	11.74
DUP-01 2018 Q1	R1802102-009	368,914	9.58	413,380	5.94	200,365	11.74
OS-2R 2018 Q1	R1802102-012	374,470	9.58	421,249	5.94	202,210	11.74
OS-5R 2018 Q1	R1802102-013	378,697	9.58	425,566	5.94	204,289	11.74
OS-5D 2018 Q1	R1802102-014	370,057	9.58	418,403	5.94	198,744	11.74
OS-6 2018 Q1	R1802102-015	358,356	9.58	405,916	5.94	195,155	11.74
OS-6R 2018 Q1	R1802102-016	372,441	9.58	418,027	5.94	200,402	11.74
OS-7R 2018 Q1	R1802102-017	367,084	9.58	416,803	5.94	202,778	11.74
OS-7D 2018 Q1	R1802102-018	365,674	9.58	413,329	5.94	195,039	11.74
OS-9 2018 Q1	R1802102-019	357,451	9.58	406,366	5.94	191,319	11.74
OS-11R 2018 Q1	R1802102-021	356,709	9.58	396,258	5.94	191,685	11.74
OS-11D 2018 Q1	R1802102-022	356,862	9.58	404,128	5.94	191,395	11.74
OS-12R 2018 Q1	R1802102-023	371,230	9.58	419,167	5.94	203,626	11.74
OS-15R 2018 Q1	R1802102-024	361,534	9.58	405,651	5.94	190,644	11.74
OS-2R 2018 Q1MS	RQ1802245-05	368,761	9.58	409,865	5.94	205,433	11.74
OS-2R 2018 Q1DMS	RQ1802245-06	373,961	9.58	418,900	5.94	210,730	11.74

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/13/18 10:46

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\031318\C5443.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ1802245-02
Analysis Lot: 583388
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		307,732	4.69
Upper Limit ==>		615,464	5.19
Lower Limit ==>		153,866	4.19
ICAL Result ==>		256,184	4.69

Associated Analyses

Lab Control Sample	RQ1802245-03	305,036	4.69
Method Blank	RQ1802245-04	283,732	4.69
W-2 2018 Q1	R1802102-001	282,072	4.69
U-6D 2018 Q1	R1802102-002	279,073	4.69
OW-1 2018 Q1	R1802102-005	277,578	4.69
OW-2 2018 Q1	R1802102-006	275,557	4.69
PW-2 2018 Q1	R1802102-007	283,036	4.69
RI-6 2018 Q1	R1802102-008	273,424	4.69
DUP-01 2018 Q1	R1802102-009	276,875	4.69
OS-2R 2018 Q1	R1802102-012	284,516	4.69
OS-5R 2018 Q1	R1802102-013	287,832	4.69
OS-5D 2018 Q1	R1802102-014	279,222	4.69
OS-6 2018 Q1	R1802102-015	270,197	4.69
OS-6R 2018 Q1	R1802102-016	280,709	4.69
OS-7R 2018 Q1	R1802102-017	278,468	4.69
OS-7D 2018 Q1	R1802102-018	278,141	4.69
OS-9 2018 Q1	R1802102-019	271,636	4.69
OS-11R 2018 Q1	R1802102-021	267,990	4.69
OS-11D 2018 Q1	R1802102-022	269,839	4.69
OS-12R 2018 Q1	R1802102-023	281,394	4.69
OS-15R 2018 Q1	R1802102-024	271,998	4.69
OS-2R 2018 Q1MS	RQ1802245-05	274,153	4.69
OS-2R 2018 Q1DMS	RQ1802245-06	279,554	4.69

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/13/18 21:50

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\031318\C5472.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ1802365-02
Analysis Lot: 583391
Signal ID: 1

		Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		367,883	9.58	405,810	5.94	203,549	11.74
Upper Limit ==>		735,766	10.08	811,620	6.44	407,098	12.24
Lower Limit ==>		183,942	9.08	202,905	5.44	101,775	11.24
ICAL Result ==>		329,712	9.58	371,591	5.94	185,896	11.74
Associated Analyses							
Lab Control Sample	RQ1802365-03	364,573	9.58	409,029	5.94	200,015	11.74
Method Blank	RQ1802365-04	359,591	9.58	405,156	5.94	192,058	11.74
EQUIPMENT BLANK 2018 Q1	R1802102-010	344,373	9.58	387,625	5.94	184,773	11.74
TRIP BLANK 1 2018 Q1	R1802102-011	357,080	9.58	399,154	5.94	191,188	11.74
OS-15D 2018 Q1	R1802102-025	343,159	9.58	389,917	5.94	184,853	11.74
DUP-02 2018 Q1	R1802102-026	351,008	9.58	393,646	5.94	186,219	11.74
TRIP BLANK 2 2018 Q1	R1802102-028	351,355	9.58	392,648	5.94	188,280	11.74

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/13/18 21:50

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\031318\C5472.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ1802365-02
Analysis Lot: 583391
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		276,179	4.69
Upper Limit ==>		552,358	5.19
Lower Limit ==>		138,090	4.19
ICAL Result ==>		256,184	4.69

Associated Analyses

Lab Control Sample	RQ1802365-03	273,639	4.69
Method Blank	RQ1802365-04	274,840	4.69
EQUIPMENT BLANK 2018 Q1	R1802102-010	261,910	4.69
TRIP BLANK 1 2018 Q1	R1802102-011	271,049	4.69
OS-15D 2018 Q1	R1802102-025	266,395	4.69
DUP-02 2018 Q1	R1802102-026	264,225	4.69
TRIP BLANK 2 2018 Q1	R1802102-028	267,724	4.69

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/14/18 11:31

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\031418\C5505.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ1802349-02
Analysis Lot: 583596
Signal ID: 1

		Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		383,243	9.58	426,470	5.94	211,680	11.74
Upper Limit ==>		766,486	10.08	852,940	6.44	423,360	12.24
Lower Limit ==>		191,622	9.08	213,235	5.44	105,840	11.24
ICAL Result ==>		329,712	9.58	371,591	5.94	185,896	11.74
Associated Analyses							
Lab Control Sample	RQ1802349-03	383,495	9.58	427,492	5.94	208,633	11.74
Method Blank	RQ1802349-04	343,825	9.58	388,247	5.94	186,353	11.74
OS-9R 2018 Q1	R1802102-020	346,928	9.58	389,096	5.94	185,656	11.74

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018

Service Request: R1802102
Date Analyzed: 3/14/18 11:31

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\MSVOA14\Data\031418\C5505.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ1802349-02
Analysis Lot: 583596
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
	Results ==>	288,430	4.69
	Upper Limit ==>	576,860	5.19
	Lower Limit ==>	144,215	4.19
	ICAL Result ==>	256,184	4.69
Associated Analyses			
Lab Control Sample	RQ1802349-03	288,806	4.69
Method Blank	RQ1802349-04	263,478	4.69
OS-9R 2018 Q1	R1802102-020	263,844	4.69

Results flagged with an asterisk (*) indicate values outside control criteria.



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102

SURROGATE RECOVERY SUMMARY
Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Extraction Method: EPA 3510C

Sample Name	Lab Code	o-Terphenyl
		50 - 150
W-2 2018 Q1	R1802102-001	72
PW-2 2018 Q1	R1802102-007	68
DUP-01 2018 Q1	R1802102-009	73
EQUIPMENT BLANK 2018 Q1	R1802102-010	87
Method Blank	RQ1802262-01	67
Lab Control Sample	RQ1802262-02	76
Duplicate Lab Control Sample	RQ1802262-03	74

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1802262-01

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	03/15/18 07:37	3/14/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	67	50 - 150	03/15/18 07:37	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 1st Quarter 2018
Sample Matrix: Water

Service Request: R1802102
Date Analyzed: 03/15/18

Duplicate Lab Control Sample Summary
Hydrocarbon Scan by GC-FID

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1802262-02

Duplicate Lab Control Sample

RQ1802262-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Mineral Spirits	8015C	236	505	47 *	226	505	45 *	50-150	4	30



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ARCHITECTS ENGINEERS PLANNERS

SECOND QUARTER

LABORATORY ANALYTICAL REPORT



July 17, 2018

Service Request No: R1806154

Mr. Elliott Duffney
Xerox Corporation USA
800 Phillips Road
Bldg #205-99F
Webster, NY 14580

Laboratory Results for: Blauvelt Wells 2nd Quarter 2018

Dear Mr. Duffney,

Enclosed are the results of the sample(s) submitted to our laboratory June 29, 2018
For your reference, these analyses have been assigned our service request number **R1806154**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jim Marschner

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE

1 585 288 5380

FAX

1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Received: 06/29/2018 - 07/11/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Thirty water samples were received for analysis at ALS Environmental on 06/29/2018 - 07/11/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

OW-1 and OW-2 were originally collected in June, however, both sample bottles were labeled as OW-1. It could not be determined which sample was which and these two locations were resampled in July.

Semivolatile GC:

Method 8015C, 07/12/2018: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field samples could not be performed because insufficient sample remained for testing. The analytes affected are flagged in the LCS Summary.

Method 8015C, 598466s: The control limits were exceeded for one or more surrogates out low. A re-extraction and reanalysis was performed, but produced similar results. No further corrective action was required.

Method 8015C, 07/10/2018: The lower control limit for the spike recovery of the Laboratory Control Sample (LCS) was exceeded for one or more analyte. There were no detections of the analyte(s) in the associated field samples. The discrepancy associated with reduced recovery equates to a potential low bias. Additional analysis of the associated field samples could not be performed because insufficient sample remained for testing. The analytes affected are flagged in the LCS Summary.

Volatiles by GC/MS:

Method 8260C, 07/05/2018: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 07/05/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.



Approved by _____

Date 07/17/2018

ALS Group USA, Corp. dba ALS Environmental

Total Target Volatiles Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Analytical Method: 8260C

Service Request: R1806154
Date Reported: 7/25/18
Units: µg/L

Client Sample ID	Total Target Volatiles
W-2 2018 Q2	ND
U-6D 2018 Q2	ND
MW-12 2018 Q2	2200.0
OW-1 2018 Q2	17.0
OW-2 2018 Q2	7.9
PW-2 2018 Q2	177.0
RI-6 2018 Q2	ND
DUP-01 2018 Q2	176.0
EQUIPMENT BLANK-01 2018 Q2	ND
TRIP BLANK-01 2018 Q2	ND
OS-2R 2018 Q2	ND
OS-5R 2018 Q2	ND
OS-5D 2018 Q2	ND
OS-6 2018 Q2	ND
OS-6R 2018 Q2	47.0
OS-7R 2018 Q2	ND
OS-7D 2018 Q2	ND
OS-9 2018 Q2	ND
OS-9R 2018 Q2	ND
OS-11R 2018 Q2	11.5
OS-11D 2018 Q2	11.5
OS-12R 2018 Q2	ND
OS-15R 2018 Q2	ND
OS-15D 2018 Q2	ND
DUP-02 2018 Q2	ND
TRIP BLANK-02 2018 Q2	ND
TRIP BLANK-03 2018 Q2	ND
DUP-01	8.3

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-12 2018 Q2				Lab ID: R1806154-003		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	2200	D	5.2	100	ug/L	8260C
Total Target Volatiles (TTV)	2200.0			50.0	ug/L	8260C
CLIENT ID: OW-1 2018 Q2				Lab ID: R1806154-005		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	17		0.26	5.0	ug/L	8260C
Total Target Volatiles (TTV)	17.0			5.0	ug/L	8260C
CLIENT ID: OW-2 2018 Q2				Lab ID: R1806154-006		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	7.9		0.26	5.0	ug/L	8260C
Total Target Volatiles (TTV)	7.9			5.0	ug/L	8260C
CLIENT ID: PW-2 2018 Q2				Lab ID: R1806154-007		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	160		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	17		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	177.0			5.0	ug/L	8260C
CLIENT ID: DUP-01 2018 Q2				Lab ID: R1806154-009		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	160		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	16		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	176.0			5.0	ug/L	8260C
CLIENT ID: OS-6R 2018 Q2				Lab ID: R1806154-016		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	17		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	16		0.28	5.0	ug/L	8260C
Trichloroethene (TCE)	14		0.20	5.0	ug/L	8260C
Total Target Volatiles (TTV)	47.0			5.0	ug/L	8260C
CLIENT ID: OS-11R 2018 Q2				Lab ID: R1806154-021		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	6.0		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	5.5		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	11.5			5.0	ug/L	8260C
CLIENT ID: OS-11D 2018 Q2				Lab ID: R1806154-022		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	5.8		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	5.7		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	11.5			5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY**CLIENT ID: DUP-01****Lab ID: R1806154-030**

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	8.3		0.26	5.0	ug/L	8260C
Total Target Volatiles (TTV)	8.3			5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd quarter 2018

Service Request:R1806154

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1806154-001	W-2 2018 2	6/28/2018	0730
R1806154-002	U-6D 2018 2	6/28/2018	0935
R1806154-003	MW-12 2018 2	6/28/2018	0715
R1806154-004	MW-13 2018 2	6/28/2018	
R1806154-005	OW-1 2018 2	7/10/2018	1650
R1806154-006	OW-2 2018 2	7/10/2018	1715
R1806154-007	PW-2 2018 2	6/28/2018	0815
R1806154-008	RI-6 2018 2	6/28/2018	0920
R1806154-009	DUP-01 2018 2	6/28/2018	0820
R1806154-010	E UIPMENT BLANK-01 2018 2	6/28/2018	1210
R1806154-011	TRIP BLANK-01 2018 2	6/28/2018	0700
R1806154-012	OS-2R 2018 2	6/29/2018	1000
R1806154-013	OS-5R 2018 2	6/29/2018	0840
R1806154-014	OS-5D 2018 2	6/29/2018	0935
R1806154-015	OS-6 2018 2	6/29/2018	0800
R1806154-016	OS-6R 2018 2	6/29/2018	0740
R1806154-017	OS-7R 2018 2	6/28/2018	1000
R1806154-018	OS-7D 2018 2	6/28/2018	1040
R1806154-019	OS-9 2018 2	6/28/2018	1240
R1806154-020	OS-9R 2018 2	6/28/2018	1300
R1806154-021	OS-11R 2018 2	6/29/2018	0710
R1806154-022	OS-11D 2018 2	6/29/2018	0715
R1806154-023	OS-12R 2018 2	6/28/2018	1205
R1806154-024	OS-15R 2018 2	6/28/2018	1115
R1806154-025	OS-15D 2018 2	6/28/2018	1145
R1806154-026	DUP-02 2018 2	6/29/2018	0845
R1806154-027	E UIPMENT BLANK 2 2018 2	6/28/2018	
R1806154-028	TRIP BLANK-02 2018 2	6/29/2018	0700
R1806154-029	TRIP BLANK-03 2018 2	7/10/2018	1645
R1806154-030	DUP-01	7/10/2018	1720



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

50362

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 1 OF 2

Project Name Blauvelt		Project Number 461-02-02		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager M. Calantone		Report CC		PRESERVATIVE 0																					
Company/Address Ground Water Investigations 18 Bridge St. Montgomery NY 12549				NUMBER OF CONTAINERS	GC/MS VOAs • 8220 • 824 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) 8015 min spirit												Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____								
Phone # 845-457-9955		Email mcalantone@HVE.RR.com				REMARKS/ ALTERNATE DESCRIPTION																			
Sampler's Signature Max Calantone		Sampler's Printed Name Max Calantone																							
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																	
MW-12		-003		6/28/18		7:15		GW		3		W													
W-2		-001		6/28/18		7:30		GW		3		W													
PW-2		-007		6/28/18		8:15		GW		5		W													
Dup-01		-009		6/28/18		8:20		GW		5		W													
OW-01		-005		6/28/18		8:40		GW		3		W													
OW-02		-006		6/28/18		8:55		GW		3		W													
RI-6		-008		6/28/18		9:20		GW		3		W													
UG-D		-002		6/28/18		9:35		GW		3		W													
OS-7R		-017		6/28/18		10:00		GW		3		W													
OS-7D		-018		6/28/18		10:40		GW		3		W													
OS-15 R		-024		6/28/18		11:15		GW		3		W													
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day REQUESTED REPORT DATE Standard					REPORT REQUIREMENTS I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + OC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No					INVOICE INFORMATION PO # BILL TO:					
STATE WHERE SAMPLES WERE COLLECTED NEW YORK																									
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature M. Calantone		Signature Gary Bohan		Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name Max Calantone		Printed Name Gary Bohan		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm GWT		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time		Date/Time 6/29/18 1230		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							

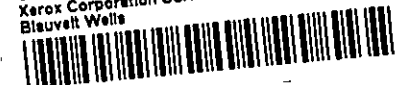


CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

50359

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Project Name Blauvelt		Project Number 461-00-22		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Marc Colantuono		Report CC		PRESERVATIVE																	
Company/Address Ground Water Investigations 18 Bridge Street Montgomery NY 12549		Email mcolantuono@HVE-RR.com		NUMBER OF CONTAINERS																	
Phone # 845-457-9955		Sampler's Signature M. Colantuono		Sampler's Printed Name Marc Colantuono		PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____															
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX		REMARKS/ ALTERNATE DESCRIPTION											
OS-15D		-025		6/28/18		11:45		GW													
OS-12R		-023		6/28/18		12:05		GW													
EB-01		-010		6/28/18		12:10		DI													
OS-9		-019		6/28/18		12:40		GW													
OS-9R		-020		6/28/18		1:00		GW													
TB-01		-611		6/28/18		7:00		DI													
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS ☒ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day REQUESTED REPORT DATE ☒				REPORT REQUIREMENTS ☒ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No				INVOICE INFORMATION PO # BILL TO:			
STATE WHERE SAMPLES WERE COLLECTED New York																					
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature Marc Colantuono		Signature Gary Bohan		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name Marc Colantuono		Printed Name Gary Bohan		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm GWT		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time 6/28/18		Date/Time 6/29/18 1230		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							

R1806154
Xerox Corporation USA
Blauvelt Wells

5



Cooler Receipt and Preservation Check Form

R1806154

Xerox Corporation USA
Blauvelt Wells

5

Project/Client _____ Folder Number _____

Cooler received on 6/29/18 by: GBCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> N
2	Custody papers properly completed (ink, signed)?	<u>Y</u> N
3	Did all bottles arrive in good condition (unbroken)?	Y N
4	Circle: Wet Ice Dry Ice Gel packs present?	Y N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>Y</u> N NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 6/29/18 Time: 1245 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>1.0</u>						
Correction Factor (°C)	<u>1.3</u>						
Corrected Temp (°C)	<u>2.3</u>						
Temp from: Type of bottle	<u>cent tube</u>						
Within 0-6°C?	<u>Y</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y <u>N</u>	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by GB on 6/29/18 at 1300
5035 samples placed in storage location: _____ by _____ on _____ at _____Cooler Breakdown/Preservation Check**: Date: 7/2/18 Time: 1534 by: sh

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3 day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).Bottle lot numbers: 7-254-004, 07918-1DKExplain all Discrepancies/ Other Comments: 3 vials for trip blank

no bottle received for location CW-2, we did receive two bottles labelled CW-1.

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: shPC Secondary Review: sh 7/5/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

50360

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Blauvelt		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Mark Colantuono		Report OC		PRESERVATIVE 0																	
Company/Address Ground Water Investigations 18 Bridge Street Montgomery NY 12549		Phone 845-452-9955		Email mark.colantuono@HUKR.com		NUMBER OF CONTAINERS GC/MS VOA's • 8260 • 824 • CLP GC/MS SVOA's • 8270 • 825 GC VOA's • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION															
Sender's Signature M. Colantuono		Sender's Printed Name MARK COLANTUONO																			
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX																
OS-11R	-021	6/29/18	7:10	GW	W																
OS-11D	-022	6/29/18	7:15	GW	W																
OS-6R	-016	6/29/18	7:40	GW	W																
OS-6	-015	6/29/18	8:00	GW	W																
OS-SR	-013	6/29/18	8:40	GW	W	QA/QC															
DUP-02	-026	6/29/18	8:45	GW	W																
OS-SA	-014	6/29/18	9:35	GW	W																
OS-2R	-012	6/29/18	10:00	GW	W																
TR-02	-028	6/29/18	7:00	DI	W																
SPECIAL INSTRUCTIONS/COMMENTS Metals						TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day REQUESTED REPORT DATE <u>Standard</u>						REPORT REQUIREMENTS ☒ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No						INVOICE INFORMATION PO # BILL TO:			
STATE WHERE SAMPLES WERE COLLECTED New York																					
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature Mark Colantuono		Signature Stephen Gorman		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name Mark Colantuono		Printed Name Stephen Gorman		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm GUT		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time 6/29/18 12:00		Date/Time 6/30/18 09:20		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							

R1806154
Xerox Corporation USA
Blauvelt Wells



Cooler Receipt and Preservation Check Form

R1806154

Xerox Corporation USA
Blauvelt Wells

5

Project/Client

Folder Number

Cooler received on 6/30/18

by: SC

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y	N
2	Custody papers properly completed (ink, signed)?	Y	N
3	Did all bottles arrive in good condition (unbroken)?	Y	N
4	Circle: Wet Ice Dry Ice Gel packs present?	Y	N

5a	Perchlorate samples have required headspace?	Y	N	NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y	N	NA
6	Where did the bottles originate?	ALS/ROC	CLIENT	
7	Soil VOA received as:	Bulk	Encore	5035set NA

8. Temperature Readings

Date: 6/30/18 Time: 8:40

ID: IR#7 IR#8

From: Temp Blank Sample Bottle

Observed Temp (°C)	1.3						
Correction Factor (°C)	1.3						
Corrected Temp (°C)	2.6						
Temp from: Type of bottle	cont. in ice						
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: ROL by SC on 6/30/18 at 9:50
5035 samples placed in storage location: by on at

Cooler Breakdown/Preservation Check**: Date: 7/3/18 Time: 0843 by: P

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate								
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 7-254-004

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: P

PC Secondary Review: JMS 7/5/18 *significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

[illegible]



Cooler Receipt and Preservation Check Form

R1806154

5

Xerox Corporation USA
Blauvelt Wells 2nd Quarter 2018



Project/Client GWI Folder Number _____

Cooler received on 7/11/18 by: @

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> N
2	Custody papers properly completed (ink, signed)?	<u>Y</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles ?	<u>Y</u> N NA
6	Where did the bottles originate?	<u>ALS/ROO</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 7/11/18 Time: 0931 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>2.5</u>						
Correction Factor (°C)	<u>+1.0</u>						
Corrected Temp (°C)	<u>3.5</u>						
Temp from: Type of bottle	<u>VOA vial</u>						
Within 0-6°C?	<u>Y</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by @ on 7/11/18 at 0935
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 7/11/18 Time: 1400 by: @

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 7-254-004
Explain all Discrepancies/ Other Comments:

headspace: TB - 3 vials

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: @
PC Secondary Review: SM 7/12/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

Sample ID	MW-13	Sample date/time	6/28/18 -
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	DRY	from ☒ inner casing	from ☐ protective casing
Bottom depth	15.60	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) #VALUE!	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☒ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails /gal.	Elapsed time	
Bail volume	0.25	Number of bails	
Volume purged (gal.)		Well volumes	
Time purge complete		Well evacuated ?	☒ yes
			☐ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)			
sample containers	3-40 ml voas 1-1L amber		

PHYSICAL AND CHEMICAL DATA			
1st Well Volume	2nd Well Volume	3rd Well Volume	
pH (SU)	pH (SU)	pH (SU)	-
temp (C)	temp (C)	temp (C)	-
cond (us/cm)	cond (us/cm)	cond (us/cm)	-
eH	eH	eH	-
turb (NTU)	turb (NTU)	turb (NTU)	-
Comments/remarks			
Well was dry			

Sample ID	OS-2R	Sample date/time	6/29/2018 - 10:06
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA				
Casing diameter	2"	☐ PVC	☒ steel	☐ other
Static water level	18.31	from ☒ inner casing	from ☐ protective casing	
Bottom depth	46.38	from ☒ inner casing	from ☐ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.16	water volume in well		
Well condition	Good	(in gallons) 4.49		

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate	3 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	15	Well volumes	3.34
Time purge complete		Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		~25	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume	2nd Well Volume	3rd Well Volume	
pH (SU)	7.55	pH (SU)	-
temp (C)	13.8	temp (C)	-
cond (us/cm)	567	cond (us/cm)	-
eH	-49.3	eH	-
turb (NTU)	12.20	turb (NTU)	-
Comments/remarks			
Clear, No odor, no sheen			

Sample ID	OS-5D	Sample date/time	6/29/2018 - 9:35
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	4"	☐ PVC	☒ steel
Static water level	16.57	from ☒ inner casing	from ☐ protective casing
Bottom depth	64.55	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.65	water volume in well	
Well condition	Good	(in gallons) 31.19	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate	3 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	95	Well volumes	3.05
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		~ 25	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume		2nd Well Volume	
pH (SU)	7.21	pH (SU)	-
temp (C)	15.8	temp (C)	-
cond (us/cm)	656	cond (us/cm)	-
eH	-19.1	eH	-
turb (NTU)	2.70	turb (NTU)	-
3rd Well Volume			
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-
Comments/remarks			
Clear, No odor, no sheen			

Sample ID	OS-5R (DUP-02)	Sample date/time	6/29/2018 - 8:40
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	11.11	from ☒ inner casing	from ☐ protective casing
Bottom depth	38.30	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 4.35	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate	3 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	15	Well volumes	3.45
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		~ 20	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume	2nd Well Volume	3rd Well Volume	
pH (SU)	7.01	pH (SU)	-
temp (C)	15.3	temp (C)	-
cond (us/cm)	609	cond (us/cm)	-
eH	-31.1	eH	-
turb (NTU)	4.76	turb (NTU)	-
Comments/remarks			
Clear, No odor, no sheen			
QA/QC			

Sample ID	OS-6R	Sample date/time	6/29/2018 - 7:40
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	19.32	from ☒ inner casing	from ☐ protective casing		
Bottom depth	43.30	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		3.84	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☐ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	3 gpm	Elapsed time			
Bail volume		Number of bails			
Volume purged (gal.)	5.5	Well volumes	1.43		
Time purge complete		Well evacuated ?	☒ yes	☐ no	

SAMPLING DATA					
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~ 35			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	7.43	pH (SU)	-	pH (SU)	-
temp (C)	16.1	temp (C)	-	temp (C)	-
cond (us/cm)	1,078	cond (us/cm)	-	cond (us/cm)	-
eH	-49.7	eH	-	eH	-
turb (NTU)	6.76	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
Clear, No odor, no sheen					

Sample ID	OS-6	Sample date/time	6/29/2018 - 8:00
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	12.74	from ☒ inner casing	from ☐ protective casing		
Bottom depth	23.65	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		1.75	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☒ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate		Elapsed time			
Bail volume	0.25 gal	Number of bails			
Volume purged (gal.)	5.5	Well volumes	3.15		
Time purge complete		Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~ 20			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	6.87	pH (SU)	-	pH (SU)	-
temp (C)	15.9	temp (C)	-	temp (C)	-
cond (us/cm)	832	cond (us/cm)	-	cond (us/cm)	-
eH	-49.1	eH	-	eH	-
turb (NTU)	65.30	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
Turbid, No odor, no sheen (orange)					

Sample ID	OS-7R	Sample date/time	6/28/18 - 10:00
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"	☐ PVC	☒ steel	☐ other	
Static water level	12.85	from ☒ inner casing	from ☐ protective casing		
Bottom depth	36.50	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		3.78	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☒ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	4 bails /gal.	Elapsed time			
Bail volume	0.25	Number of bails			
Volume purged (gal.)	11.5	Well volumes	3.04		
Time purge complete		Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~20.0			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	7.54	pH (SU)	-	pH (SU)	-
temp (C)	14.0	temp (C)	-	temp (C)	-
cond (us/cm)	1,109	cond (us/cm)	-	cond (us/cm)	-
eH	-24.3	eH	-	eH	-
turb (NTU)	4.98	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
Clear, No odor, no sheen					

Sample ID <u>OS-7D</u>		Sample date/time <u>6/28/18 - 10:40</u>	
Bottle set (lab) _____		Field personnel <u>MAC / LFC</u>	
Project location <u>Blauvelt / Xerox</u>		_____	
Project Number <u>461-00-00</u>		_____	
Weather conditions (estimate wind, cloud, precip, humidity, temp) <u>Rain, 70's, Calm</u>		Observer _____	

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter <u>4"</u>	☐ PVC	☒ steel	☐ other
Static water level <u>10.59</u>	from ☒ inner casing	from ☐ protective casing	
Bottom depth <u>68.01</u>	from ☒ inner casing	from ☐ protective casing	
static water level indicator type _____	☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion <u>0.65</u>		water volume in well <u>37.32</u>	
Well condition <u>Good</u>		(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ? _____	☐ yes	☒ no	
Pumping rate <u>3 gpm</u>	Elapsed time _____		
Bail volume _____	Number of bails _____		
Volume purged (gal.) <u>112</u>	Well volumes <u>3.00</u>		
Time purge complete _____	Well evacuated ? ☐ yes ☒ no		

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ? _____	☐ yes ☒ no		
metals field filtered ? _____	☐ yes ☒ no		
depth of sample (ft.) <u>~20.0</u>			
sample containers <u>3-40 ml voas</u>			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	<u>8.01</u>	pH (SU)	<u>-</u>	pH (SU)	<u>-</u>
temp (C)	<u>14.7</u>	temp (C)	<u>-</u>	temp (C)	<u>-</u>
cond (us/cm)	<u>901</u>	cond (us/cm)	<u>-</u>	cond (us/cm)	<u>-</u>
eH	<u>-131.1</u>	eH	<u>-</u>	eH	<u>-</u>
turb (NTU)	<u>1.34</u>	turb (NTU)	<u>-</u>	turb (NTU)	<u>-</u>
Comments/remarks <u>Clear, No odor, no sheen</u>					

Sample ID	OS-9	Sample date/time	6/28/18 - 12:40
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	3.95	from ☒ inner casing	from ☐ protective casing
Bottom depth	20.49	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 2.65	

MONITORING WELL PURGE DATA			
☐ submersible pump	☒ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate		Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	8	Well volumes	3.02
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ peristaltic pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		10	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume	2nd Well Volume	3rd Well Volume	
pH (SU)	pH (SU)	pH (SU)	
temp (C)	temp (C)	temp (C)	
cond (us/cm)	cond (us/cm)	cond (us/cm)	
eH	eH	eH	
turb (NTU)	turb (NTU)	turb (NTU)	

Comments/remarks	Clear, No odor, no sheen

Sample ID	OS-9R	Sample date/time	6/28/18 - 1:00
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	37.82	from ☒ inner casing	from ☐ protective casing		
Bottom depth	43.80	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		0.96	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
	☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☐ poly bailer	☒ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate		Elapsed time			
Bail volume	0.25 gal	Number of bails			
Volume purged (gal.)	1.5	Well volumes	1.57		
Time purge complete		Well evacuated ?	☒ yes	☐ no	

SAMPLING DATA					
	☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~43			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	9.99	pH (SU)	-	pH (SU)	-
temp (C)	17.0	temp (C)	-	temp (C)	-
cond (us/cm)	621	cond (us/cm)	-	cond (us/cm)	-
eH	-175.5	eH	-	eH	-
turb (NTU)	3.80	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
Clear, No odor, no sheen					

Sample ID	OS-11R	Sample date/time	6/29/2018 - 7:10
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	22.74	from ☒ inner casing	from ☐ protective casing
Bottom depth	44.60	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	3.50	
		(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☒ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate		Elapsed time	
Bail volume	0.25 gal	Number of bails	
Volume purged (gal.)	11	Well volumes	3.15
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		~ 30	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume		2nd Well Volume	
pH (SU)	7.21	pH (SU)	-
temp (C)	14.2	temp (C)	-
cond (us/cm)	907	cond (us/cm)	-
eH	-41.5	eH	-
turb (NTU)	7.90	turb (NTU)	-
3rd Well Volume			
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-
Comments/remarks			
Clear, No odor, no sheen			

Sample ID	OS-11D	Sample date/time	6/29/18 - 7:15
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	4"	☐ PVC	☒ steel
Static water level	22.11	from ☒ inner casing	from ☐ protective casing
Bottom depth	75.50	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.65	water volume in well	
Well condition	Good	(in gallons) 34.70	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	3 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	105	Well volumes	3.03
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~ 35		
sample containers	3-40 ml voas		

PHYSICAL AND CHEMICAL DATA			
1st Well Volume	2nd Well Volume	3rd Well Volume	
pH (SU)	7.23	pH (SU)	-
temp (C)	13.9	temp (C)	-
cond (us/cm)	543	cond (us/cm)	-
eH	-29.9	eH	-
turb (NTU)	12.30	turb (NTU)	-

Comments/remarks Clear, No odor, no sheen

Sample ID	OS-12R	Sample date/time	6/28/18 - 12:05
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	9.82	from ☒ inner casing	from ☐ protective casing		
Bottom depth	33.05	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		3.72	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
	☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☐ poly bailer	☒ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate		Elapsed time			
Bail volume	0.25 gal	Number of bails			
Volume purged (gal.)	6.25	Well volumes	1.68		
Time purge complete		Well evacuated ?	☒ yes	☐ no	

SAMPLING DATA					
	☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~ 25			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	8.03	pH (SU)	-	pH (SU)	-
temp (C)	15.2	temp (C)	-	temp (C)	-
cond (us/cm)	299	cond (us/cm)	-	cond (us/cm)	-
eH	-78.9	eH	-	eH	-
turb (NTU)	53.20	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
Sl. Turbid, No odor, no sheen					
(orange tint) EB-01 collected					

Sample ID	OS-15D	Sample date/time	6/28/18 - 11:45
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel ☐ other
Static water level	12.25	from ☒ inner casing	from ☐ protective casing
Bottom depth	82.19	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 11.19	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☐ yes	☒ no
Pumping rate	3 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	35	Well volumes	3.13
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		~40	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume		2nd Well Volume	
pH (SU)	7.27	pH (SU)	-
temp (C)	16.8	temp (C)	-
cond (us/cm)	1,011	cond (us/cm)	-
eH	-31.7	eH	-
turb (NTU)	5.90	turb (NTU)	-
3rd Well Volume			
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-
Comments/remarks			
Clear, No od 12			

Sample ID	OS-15R	Sample date/time	6/28/18 - 11:15
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	17.10	from	☒ inner casing	from	☐ protective casing
Bottom depth	49.35	from	☒ inner casing	from	☐ protective casing
static water level indicator type			☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.16			water volume in well	5.16
Well condition	Good			(in gallons)	

MONITORING WELL PURGE DATA					
	☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☐ poly bailer	☐ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	3 gpm	Elapsed time			
Bail volume		Number of bails			
Volume purged (gal.)	15.5	Well volumes		3.00	
Time purge complete		Well evacuated ?		☐ yes	☒ no

SAMPLING DATA					
	☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~25			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume	2nd Well Volume	3rd Well Volume			
pH (SU)	7.11	pH (SU)	-	pH (SU)	-
temp (C)	16.8	temp (C)	-	temp (C)	-
cond (us/cm)	843	cond (us/cm)	-	cond (us/cm)	-
eH	-1.9	eH	-	eH	-
turb (NTU)	4.67	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
Clear, No odor, no sheen					

Sample ID	OW-1	Sample date/time	7/10/2018 - 4:50
Bottle set (lab)		Field personnel	MAC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 90's, Calm			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	16.87	from ☐ inner casing	from ☒ protective casing
Bottom depth	35.31	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16		water volume in well
Well condition	Good		(in gallons) 2.95

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☒ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails /gal.	Elapsed time	
Bail volume	0.25	Number of bails	
Volume purged (gal.)	9	Well volumes	3.05
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~20.00		
sample containers	3-40 ml voas		

PHYSICAL AND CHEMICAL DATA			
1st Well Volume		2nd Well Volume	
pH (SU)	7.38	pH (SU)	-
temp (C)	13.9	temp (C)	-
cond (us/cm)	846	cond (us/cm)	-
eH	-16.7	eH	-
turb (NTU)	31.00	turb (NTU)	-
3rd Well Volume			
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-

Comments/remarks	SI Turbid
	Resample - Static level from 6/28/2018

Sample ID	<u>OW-1</u>	Sample date/time	<u>7/10/2018 - 4:50</u>
Bottle set (lab)		Field personnel	<u>MAC</u>
Project location	<u>Blauvelt / Xerox</u>		
Project Number	<u>461-00-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Sunny, 90's, Calm</u>			

SAMPLE TYPE	☐ composite ☒ groundwater ☐ leachate ☐ other	☐ grab ☐ surface water ☐ industrial	☐ soil ☐ storm sewer	☐ sediment ☐ gas

MONITORING WELL DATA				
Casing diameter	<u>2"</u>	☐ PVC	☒ steel	☐ other
Static water level	<u>16.87</u>	from ☐ inner casing	from ☒ protective casing	
Bottom depth	<u>35.31</u>	from ☐ inner casing	from ☒ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	<u>0.16</u>	water volume in well		<u>2.95</u>
Well condition	<u>Good</u>	(in gallons)		

MONITORING WELL PURGE DATA				
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
☐ poly bailer	☒ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no	
Pumping rate	<u>4 bails /gal.</u>	Elapsed time		
Bail volume	<u>0.25</u>	Number of bails		
Volume purged (gal.)	<u>9</u>	Well volumes	<u>3.05</u>	
Time purge complete		Well evacuated ?	☐ yes	☒ no

SAMPLING DATA				
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer	
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
☐ other				
dedicated sampling equipment ?		☐ yes	☒ no	
metals field filtered ?		☐ yes	☒ no	
depth of sample (ft.)		<u>~20.00</u>		
sample containers		<u>3-40 ml voas</u>		

PHYSICAL AND CHEMICAL DATA					
1st Well Volume	2nd Well Volume	3rd Well Volume			
pH (SU)	<u>7.38</u>	pH (SU)	<u>-</u>	pH (SU)	<u>-</u>
temp (C)	<u>13.9</u>	temp (C)	<u>-</u>	temp (C)	<u>-</u>
cond (us/cm)	<u>846</u>	cond (us/cm)	<u>-</u>	cond (us/cm)	<u>-</u>
eH	<u>-16.7</u>	eH	<u>-</u>	eH	<u>-</u>
turb (NTU)	<u>31.00</u>	turb (NTU)	<u>-</u>	turb (NTU)	<u>-</u>

Comments/remarks	<u>SI Turbid</u>
	<u>Resample - Static level from 6/28/2018</u>

Sample ID	OW-2	Sample date/time	7/10/2018 - 5:15
Bottle set (lab)		Field personnel	MAC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 90's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	14.75	from ☐ inner casing	from ☒ protective casing		
Bottom depth	32.86	from ☐ inner casing	from ☒ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		2.90	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
	☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☐ poly bailer	☒ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	4 bails /gal.	Elapsed time			
Bail volume	0.25	Number of bails			
Volume purged (gal.)	8.75	Well volumes	3.02		
Time purge complete		Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
	☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~20.00			
sample containers		3-40 ml voas			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	7.29	pH (SU)	-	pH (SU)	-
temp (C)	13.7	temp (C)	-	temp (C)	-
cond (us/cm)	738	cond (us/cm)	-	cond (us/cm)	-
eH	33.1	eH	-	eH	-
turb (NTU)	27.10	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
SI Turbid					
Resample - Static level from 6/28/2018			DUP also collected during re-sample		

Sample ID	<u>PW-2 (DUP-01)</u>	Sample date/time	<u>6/28/18 - 8:15</u>
Bottle set (lab)		Field personnel	<u>MAC / LFC</u>
Project location	<u>Blauvelt / Xerox</u>		
Project Number	<u>461-00-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Rain, 70's, Calm</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA			
Casing diameter	<u>3"</u>	☐ PVC	☒ steel ☐ other
Static water level	<u>15.10</u>	from ☐ inner casing	from ☒ protective casing
Bottom depth	<u>20.28</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic ☐ other
Linear conversion	<u>0.37</u>	water volume in well <u>1.92</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☒ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 bails /gal.</u>	Elapsed time	
Bail volume	<u>0.25</u>	Number of bails	
Volume purged (gal.)	<u>5.75</u>	Well volumes	<u>3.00</u>
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~17.00</u>		
sample containers	<u>3-40 ml voas 1-1L amber</u>		

PHYSICAL AND CHEMICAL DATA			
1st Well Volume	2nd Well Volume	3rd Well Volume	
pH (SU)	<u>6.81</u>	pH (SU)	<u>-</u>
temp (C)	<u>11.9</u>	temp (C)	<u>-</u>
cond (us/cm)	<u>731</u>	cond (us/cm)	<u>-</u>
eH	<u>20.6</u>	eH	<u>-</u>
turb (NTU)	<u>65.00</u>	turb (NTU)	<u>-</u>
Comments/remarks			
<u>Turbid, (orange) no odor, no sheen</u>			

Sample ID	W-2	Sample date/time	6/28/18 - 7:30
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	8.28	from ☐ inner casing	from ☒ protective casing
Bottom depth	14.00	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16		water volume in well
Well condition	Good		(in gallons) 0.92

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☒ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails /gal.	Elapsed time	
Bail volume	0.25	Number of bails	
Volume purged (gal.)	1	Well volumes	1.09
Time purge complete		Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~13.75		
sample containers	3-40 ml voas 1-1L amber		

PHYSICAL AND CHEMICAL DATA			
1st Well Volume		2nd Well Volume	
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-
3rd Well Volume			
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-
Comments/remarks			
SI Turbid			
Limited Volume / limited purge - No readings collected			

Sample ID	RI-6	Sample date/time	6/28/18 - 9:20	
Bottle set (lab)		Field personnel	MAC / LFC	
Project location	Blauvelt / Xerox			
Project Number	461-00-00			
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer		
Rain, 70's, Calm				

SAMPLE TYPE				
☐ composite	☐ grab	☐ soil	☐ sediment	
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas	
☐ leachate	☐ industrial			
☐ other				

MONITORING WELL DATA				
Casing diameter	2"	☐ PVC	☒ steel	☐ other
Static water level	13.00	from ☒ inner casing	from ☐ protective casing	
Bottom depth	23.60	from ☒ inner casing	from ☐ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.16		water volume in well	1.70
Well condition	Good		(in gallons)	

MONITORING WELL PURGE DATA				
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
☐ poly bailer	☒ teflon bailer	☐ other		
dedicated purge equipment ?	☐ yes	☒ no		
Pumping rate	4 bails /gal.	Elapsed time		
Bail volume	0.25	Number of bails		
Volume purged (gal.)	5.25	Well volumes	3.10	
Time purge complete		Well evacuated ?	☐ yes	☒ no

SAMPLING DATA				
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer	
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
☐ other				
dedicated sampling equipment ?	☐ yes	☒ no		
metals field filtered ?	☐ yes	☒ no		
depth of sample (ft.)	~20.0			
sample containers	3-40 ml voas			

PHYSICAL AND CHEMICAL DATA				
1st Well Volume		2nd Well Volume		3rd Well Volume
pH (SU)	6.41	pH (SU)	-	pH (SU)
temp (C)	17.7	temp (C)	-	temp (C)
cond (us/cm)	832	cond (us/cm)	-	cond (us/cm)
eH	1.9	eH	-	eH
turb (NTU)	12.30	turb (NTU)	-	turb (NTU)
Comments/remarks				
Clear, No odor, no sheen				

Sample ID	U6-D	Sample date/time	6/28/18 - 9:30
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	6.48	from ☒ inner casing	from ☐ protective casing
Bottom depth	26.21	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 3.16	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☒ teflon bailer	☐ other	
dedicated purge equipment ?		☒ no	
Pumping rate	4 bails /gal.	Elapsed time	
Bail volume	0.25	Number of bails	
Volume purged (gal.)	7	Well volumes	2.22
Time purge complete		Well evacuated ?	☒ yes
			☐ no

SAMPLING DATA			
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☒ no	
metals field filtered ?		☒ no	
depth of sample (ft.)		~20.0	
sample containers		3-40 ml voas	

PHYSICAL AND CHEMICAL DATA			
1st Well Volume		2nd Well Volume	
pH (SU)	7.22	pH (SU)	-
temp (C)	16.2	temp (C)	-
cond (us/cm)	599	cond (us/cm)	-
eH	22.1	eH	-
turb (NTU)	12.30	turb (NTU)	-
3rd Well Volume			
pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-
turb (NTU)	-	turb (NTU)	-
Comments/remarks			
Clear, No odor, no sheen Orange Tint			
Lock Cut			

Sample ID	MW-12	Sample date/time	6/28/18 - 7:15
Bottle set (lab)		Field personnel	MAC / LFC
Project location	Blauvelt / Xerox		
Project Number	461-00-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 70's, Calm			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	13.85	from ☒ inner casing	from ☐ protective casing		
Bottom depth	14.45	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		0.10	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☒ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	4 bails /gal.	Elapsed time			
Bail volume	0.25	Number of bails			
Volume purged (gal.)	0.25	Well volumes	2.60		
Time purge complete		Well evacuated ?	☒ yes	☐ no	

SAMPLING DATA					
☐ peristaltic pump	☐ PVC bailer	☐ poly bailer	☒ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~13.5			
sample containers		3-40 ml voas 1-1L amber			

PHYSICAL AND CHEMICAL DATA					
1st Well Volume		2nd Well Volume		3rd Well Volume	
pH (SU)	-	pH (SU)	-	pH (SU)	-
temp (C)	-	temp (C)	-	temp (C)	-
cond (us/cm)	-	cond (us/cm)	-	cond (us/cm)	-
eH	-	eH	-	eH	-
turb (NTU)	-	turb (NTU)	-	turb (NTU)	-
Comments/remarks					
SI Turbid					
Limited Volume / limited purge - No readings collected					



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Approved	New Jersey ID # NY004	294100 A/B
DoD ELAP #65817	New York ID # 10145	Pennsylvania ID# 68-786
Florida ID # E87674	North Carolina #676	Rhode Island ID # 158
		Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8015C	Water	Mineral Spirits
8260C	Water	Total Target Volatiles (TTV)

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Sample Name: W-2 2018 Q2
Lab Code: R1806154-001
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: U-6D 2018 Q2
Lab Code: R1806154-002
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: MW-12 2018 Q2
Lab Code: R1806154-003
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OW-1 2018 Q2
Lab Code: R1806154-005
Sample Matrix: Water

Date Collected: 07/10/18
Date Received: 07/11/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OW-2 2018 Q2
Lab Code: R1806154-006
Sample Matrix: Water

Date Collected: 07/10/18
Date Received: 07/11/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Sample Name: PW-2 2018 Q2
Lab Code: R1806154-007
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8015C
8260C

Extracted/Digested By
MPEDRO

Analyzed By
BALLGEIER
DLIPANI

Sample Name: RI-6 2018 Q2
Lab Code: R1806154-008
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: DUP-01 2018 Q2
Lab Code: R1806154-009
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 07/11/18

Analysis Method
8015C
8260C

Extracted/Digested By
MPEDRO

Analyzed By
BALLGEIER
DLIPANI

Sample Name: EQUIPMENT BLANK-01 2018 Q2
Lab Code: R1806154-010
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Sample Name: TRIP BLANK-01 2018 Q2
Lab Code: R1806154-011
Sample Matrix: Water

Date Collected: 06/28/18**Date Received:** 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-2R 2018 Q2
Lab Code: R1806154-012
Sample Matrix: Water

Date Collected: 06/29/18**Date Received:** 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: OS-5R 2018 Q2
Lab Code: R1806154-013
Sample Matrix: Water

Date Collected: 06/29/18**Date Received:** 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: OS-5D 2018 Q2
Lab Code: R1806154-014
Sample Matrix: Water

Date Collected: 06/29/18**Date Received:** 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: OS-6 2018 Q2
Lab Code: R1806154-015
Sample Matrix: Water

Date Collected: 06/29/18**Date Received:** 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Sample Name: OS-6R 2018 Q2
Lab Code: R1806154-016
Sample Matrix: Water

Date Collected: 06/29/18
Date Received: 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: OS-7R 2018 Q2
Lab Code: R1806154-017
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-7D 2018 Q2
Lab Code: R1806154-018
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-9 2018 Q2
Lab Code: R1806154-019
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-9R 2018 Q2
Lab Code: R1806154-020
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
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Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Sample Name: OS-11R 2018 Q2
Lab Code: R1806154-021
Sample Matrix: Water

Date Collected: 06/29/18
Date Received: 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: OS-11D 2018 Q2
Lab Code: R1806154-022
Sample Matrix: Water

Date Collected: 06/29/18
Date Received: 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: OS-12R 2018 Q2
Lab Code: R1806154-023
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-15R 2018 Q2
Lab Code: R1806154-024
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-15D 2018 Q2
Lab Code: R1806154-025
Sample Matrix: Water

Date Collected: 06/28/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

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Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154

Sample Name: DUP-02 2018 Q2
Lab Code: R1806154-026
Sample Matrix: Water

Date Collected: 06/29/18
Date Received: 06/30/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TRIP BLANK-02 2018 Q2
Lab Code: R1806154-028
Sample Matrix: Water

Date Collected: 06/29/18
Date Received: 06/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
KRUEST

Sample Name: TRIP BLANK-03 2018 Q2
Lab Code: R1806154-029
Sample Matrix: Water

Date Collected: 07/10/18
Date Received: 07/11/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: DUP-01
Lab Code: R1806154-030
Sample Matrix: Water

Date Collected: 07/10/18
Date Received: 07/11/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 07:30
Date Received: 06/29/18 12:30

Sample Name: W-2 2018 Q2
Lab Code: R1806154-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 12:21	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 12:21	
Bromoform	5.0 U	5.0	1	07/03/18 12:21	
Bromomethane	5.0 U	5.0	1	07/03/18 12:21	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 12:21	
Chlorobenzene	5.0 U	5.0	1	07/03/18 12:21	
Chloroethane	5.0 U	5.0	1	07/03/18 12:21	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 12:21	
Chloroform	5.0 U	5.0	1	07/03/18 12:21	
Chloromethane	5.0 U	5.0	1	07/03/18 12:21	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 12:21	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 12:21	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 12:21	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 12:21	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 12:21	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 12:21	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 12:21	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 12:21	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 12:21	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 12:21	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 12:21	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 12:21	
Ethylbenzene	5.0 U	5.0	1	07/03/18 12:21	
Methylene Chloride	5.0 U	5.0	1	07/03/18 12:21	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 12:21	
Toluene	5.0 U	5.0	1	07/03/18 12:21	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 12:21	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 12:21	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 12:21	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 12:21	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 12:21	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 12:21	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 12:21	
o-Xylene	5.0 U	5.0	1	07/03/18 12:21	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 12:21	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 07:30
Date Received: 06/29/18 12:30

Sample Name: W-2 2018 Q2
Lab Code: R1806154-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	07/03/18 12:21	
Dibromofluoromethane	97	89 - 119	07/03/18 12:21	
Toluene-d8	104	87 - 121	07/03/18 12:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 09:35
Date Received: 06/29/18 12:30

Sample Name: U-6D 2018 Q2
Lab Code: R1806154-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 12:43	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 12:43	
Bromoform	5.0 U	5.0	1	07/03/18 12:43	
Bromomethane	5.0 U	5.0	1	07/03/18 12:43	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 12:43	
Chlorobenzene	5.0 U	5.0	1	07/03/18 12:43	
Chloroethane	5.0 U	5.0	1	07/03/18 12:43	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 12:43	
Chloroform	5.0 U	5.0	1	07/03/18 12:43	
Chloromethane	5.0 U	5.0	1	07/03/18 12:43	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 12:43	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 12:43	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 12:43	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 12:43	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 12:43	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 12:43	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 12:43	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 12:43	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 12:43	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 12:43	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 12:43	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 12:43	
Ethylbenzene	5.0 U	5.0	1	07/03/18 12:43	
Methylene Chloride	5.0 U	5.0	1	07/03/18 12:43	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 12:43	
Toluene	5.0 U	5.0	1	07/03/18 12:43	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 12:43	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 12:43	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 12:43	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 12:43	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 12:43	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 12:43	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 12:43	
o-Xylene	5.0 U	5.0	1	07/03/18 12:43	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 12:43	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 09:35
Date Received: 06/29/18 12:30

Sample Name: U-6D 2018 Q2
Lab Code: R1806154-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	07/03/18 12:43	
Dibromofluoromethane	98	89 - 119	07/03/18 12:43	
Toluene-d8	102	87 - 121	07/03/18 12:43	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 07:15
Date Received: 06/29/18 12:30

Sample Name: MW-12 2018 Q2
Lab Code: R1806154-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	50 U	50	10	07/03/18 14:10	
Bromodichloromethane	50 U	50	10	07/03/18 14:10	
Bromoform	50 U	50	10	07/03/18 14:10	
Bromomethane	50 U	50	10	07/03/18 14:10	
Carbon Tetrachloride	50 U	50	10	07/03/18 14:10	
Chlorobenzene	50 U	50	10	07/03/18 14:10	
Chloroethane	50 U	50	10	07/03/18 14:10	
2-Chloroethyl Vinyl Ether	50 U	50	10	07/03/18 14:10	
Chloroform	50 U	50	10	07/03/18 14:10	
Chloromethane	50 U	50	10	07/03/18 14:10	
Dibromochloromethane	50 U	50	10	07/03/18 14:10	
1,2-Dichlorobenzene	50 U	50	10	07/03/18 14:10	
1,3-Dichlorobenzene	50 U	50	10	07/03/18 14:10	
1,4-Dichlorobenzene	50 U	50	10	07/03/18 14:10	
1,1-Dichloroethane (1,1-DCA)	50 U	50	10	07/03/18 14:10	
1,2-Dichloroethane	50 U	50	10	07/03/18 14:10	
1,1-Dichloroethene (1,1-DCE)	50 U	50	10	07/03/18 14:10	
trans-1,2-Dichloroethene	50 U	50	10	07/03/18 14:10	
cis-1,2-Dichloroethene	2200 D	100	20	07/03/18 18:03	
1,2-Dichloropropane	50 U	50	10	07/03/18 14:10	
cis-1,3-Dichloropropene	50 U	50	10	07/03/18 14:10	
trans-1,3-Dichloropropene	50 U	50	10	07/03/18 14:10	
Ethylbenzene	50 U	50	10	07/03/18 14:10	
Methylene Chloride	50 U	50	10	07/03/18 14:10	
1,1,2,2-Tetrachloroethane	50 U	50	10	07/03/18 14:10	
Toluene	50 U	50	10	07/03/18 14:10	
1,1,1-Trichloroethane (TCA)	50 U	50	10	07/03/18 14:10	
1,1,2-Trichloroethane	50 U	50	10	07/03/18 14:10	
Tetrachloroethene (PCE)	50 U	50	10	07/03/18 14:10	
Trichloroethene (TCE)	50 U	50	10	07/03/18 14:10	
Trichlorofluoromethane (CFC 11)	50 U	50	10	07/03/18 14:10	
Vinyl Chloride	50 U	50	10	07/03/18 14:10	
m,p-Xylenes	50 U	50	10	07/03/18 14:10	
o-Xylene	50 U	50	10	07/03/18 14:10	
Total Target Volatiles (TTV)	2200.0	50.0	10	07/03/18 14:10	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 07:15
Date Received: 06/29/18 12:30

Sample Name: MW-12 2018 Q2
Lab Code: R1806154-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	07/03/18 14:10	
Dibromofluoromethane	102	89 - 119	07/03/18 14:10	
Toluene-d8	104	87 - 121	07/03/18 14:10	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 16:50
Date Received: 07/11/18 09:20

Sample Name: OW-1 2018 Q2
Lab Code: R1806154-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/12/18 15:16	
Bromodichloromethane	5.0 U	5.0	1	07/12/18 15:16	
Bromoform	5.0 U	5.0	1	07/12/18 15:16	
Bromomethane	5.0 U	5.0	1	07/12/18 15:16	
Carbon Tetrachloride	5.0 U	5.0	1	07/12/18 15:16	
Chlorobenzene	5.0 U	5.0	1	07/12/18 15:16	
Chloroethane	5.0 U	5.0	1	07/12/18 15:16	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/12/18 15:16	
Chloroform	5.0 U	5.0	1	07/12/18 15:16	
Chloromethane	5.0 U	5.0	1	07/12/18 15:16	
Dibromochloromethane	5.0 U	5.0	1	07/12/18 15:16	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:16	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:16	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/12/18 15:16	
1,2-Dichloroethane	5.0 U	5.0	1	07/12/18 15:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/12/18 15:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 15:16	
cis-1,2-Dichloroethene	17	5.0	1	07/12/18 15:16	
1,2-Dichloropropane	5.0 U	5.0	1	07/12/18 15:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 15:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 15:16	
Ethylbenzene	5.0 U	5.0	1	07/12/18 15:16	
Methylene Chloride	5.0 U	5.0	1	07/12/18 15:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/12/18 15:16	
Toluene	5.0 U	5.0	1	07/12/18 15:16	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/12/18 15:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/12/18 15:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/12/18 15:16	
Trichloroethene (TCE)	5.0 U	5.0	1	07/12/18 15:16	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/12/18 15:16	
Vinyl Chloride	5.0 U	5.0	1	07/12/18 15:16	
m,p-Xylenes	5.0 U	5.0	1	07/12/18 15:16	
o-Xylene	5.0 U	5.0	1	07/12/18 15:16	
Total Target Volatiles (TTV)	17.0	5.0	1	07/12/18 15:16	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 16:50
Date Received: 07/11/18 09:20

Sample Name: OW-1 2018 Q2
Lab Code: R1806154-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	07/12/18 15:16	
Dibromofluoromethane	99	89 - 119	07/12/18 15:16	
Toluene-d8	99	87 - 121	07/12/18 15:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 17:15
Date Received: 07/11/18 09:20

Sample Name: OW-2 2018 Q2
Lab Code: R1806154-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/12/18 15:37	
Bromodichloromethane	5.0 U	5.0	1	07/12/18 15:37	
Bromoform	5.0 U	5.0	1	07/12/18 15:37	
Bromomethane	5.0 U	5.0	1	07/12/18 15:37	
Carbon Tetrachloride	5.0 U	5.0	1	07/12/18 15:37	
Chlorobenzene	5.0 U	5.0	1	07/12/18 15:37	
Chloroethane	5.0 U	5.0	1	07/12/18 15:37	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/12/18 15:37	
Chloroform	5.0 U	5.0	1	07/12/18 15:37	
Chloromethane	5.0 U	5.0	1	07/12/18 15:37	
Dibromochloromethane	5.0 U	5.0	1	07/12/18 15:37	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:37	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:37	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:37	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/12/18 15:37	
1,2-Dichloroethane	5.0 U	5.0	1	07/12/18 15:37	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/12/18 15:37	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 15:37	
cis-1,2-Dichloroethene	7.9	5.0	1	07/12/18 15:37	
1,2-Dichloropropane	5.0 U	5.0	1	07/12/18 15:37	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 15:37	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 15:37	
Ethylbenzene	5.0 U	5.0	1	07/12/18 15:37	
Methylene Chloride	5.0 U	5.0	1	07/12/18 15:37	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/12/18 15:37	
Toluene	5.0 U	5.0	1	07/12/18 15:37	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/12/18 15:37	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/12/18 15:37	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/12/18 15:37	
Trichloroethene (TCE)	5.0 U	5.0	1	07/12/18 15:37	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/12/18 15:37	
Vinyl Chloride	5.0 U	5.0	1	07/12/18 15:37	
m,p-Xylenes	5.0 U	5.0	1	07/12/18 15:37	
o-Xylene	5.0 U	5.0	1	07/12/18 15:37	
Total Target Volatiles (TTV)	7.9	5.0	1	07/12/18 15:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 17:15
Date Received: 07/11/18 09:20

Sample Name: OW-2 2018 Q2
Lab Code: R1806154-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	07/12/18 15:37	
Dibromofluoromethane	97	89 - 119	07/12/18 15:37	
Toluene-d8	97	87 - 121	07/12/18 15:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 08:15
Date Received: 06/29/18 12:30

Sample Name: PW-2 2018 Q2
Lab Code: R1806154-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 15:50	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 15:50	
Bromoform	5.0 U	5.0	1	07/03/18 15:50	
Bromomethane	5.0 U	5.0	1	07/03/18 15:50	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 15:50	
Chlorobenzene	5.0 U	5.0	1	07/03/18 15:50	
Chloroethane	5.0 U	5.0	1	07/03/18 15:50	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 15:50	
Chloroform	5.0 U	5.0	1	07/03/18 15:50	
Chloromethane	5.0 U	5.0	1	07/03/18 15:50	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 15:50	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 15:50	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 15:50	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 15:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 15:50	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 15:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 15:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 15:50	
cis-1,2-Dichloroethene	160	5.0	1	07/03/18 15:50	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 15:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 15:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 15:50	
Ethylbenzene	5.0 U	5.0	1	07/03/18 15:50	
Methylene Chloride	5.0 U	5.0	1	07/03/18 15:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 15:50	
Toluene	5.0 U	5.0	1	07/03/18 15:50	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 15:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 15:50	
Tetrachloroethene (PCE)	17	5.0	1	07/03/18 15:50	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 15:50	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 15:50	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 15:50	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 15:50	
o-Xylene	5.0 U	5.0	1	07/03/18 15:50	
Total Target Volatiles (TTV)	177.0	5.0	1	07/03/18 15:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 08:15
Date Received: 06/29/18 12:30

Sample Name: PW-2 2018 Q2
Lab Code: R1806154-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	07/03/18 15:50	
Dibromofluoromethane	105	89 - 119	07/03/18 15:50	
Toluene-d8	105	87 - 121	07/03/18 15:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 09:20
Date Received: 06/29/18 12:30

Sample Name: RI-6 2018 Q2
Lab Code: R1806154-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 13:04	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 13:04	
Bromoform	5.0 U	5.0	1	07/03/18 13:04	
Bromomethane	5.0 U	5.0	1	07/03/18 13:04	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 13:04	
Chlorobenzene	5.0 U	5.0	1	07/03/18 13:04	
Chloroethane	5.0 U	5.0	1	07/03/18 13:04	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 13:04	
Chloroform	5.0 U	5.0	1	07/03/18 13:04	
Chloromethane	5.0 U	5.0	1	07/03/18 13:04	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 13:04	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:04	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:04	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:04	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 13:04	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 13:04	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 13:04	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 13:04	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 13:04	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 13:04	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 13:04	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 13:04	
Ethylbenzene	5.0 U	5.0	1	07/03/18 13:04	
Methylene Chloride	5.0 U	5.0	1	07/03/18 13:04	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 13:04	
Toluene	5.0 U	5.0	1	07/03/18 13:04	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 13:04	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 13:04	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 13:04	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 13:04	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 13:04	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 13:04	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 13:04	
o-Xylene	5.0 U	5.0	1	07/03/18 13:04	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 13:04	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 09:20
Date Received: 06/29/18 12:30

Sample Name: RI-6 2018 Q2
Lab Code: R1806154-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	07/03/18 13:04	
Dibromofluoromethane	99	89 - 119	07/03/18 13:04	
Toluene-d8	101	87 - 121	07/03/18 13:04	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 08:20
Date Received: 06/29/18 12:30

Sample Name: DUP-01 2018 Q2
Lab Code: R1806154-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 14:32	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 14:32	
Bromoform	5.0 U	5.0	1	07/03/18 14:32	
Bromomethane	5.0 U	5.0	1	07/03/18 14:32	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 14:32	
Chlorobenzene	5.0 U	5.0	1	07/03/18 14:32	
Chloroethane	5.0 U	5.0	1	07/03/18 14:32	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 14:32	
Chloroform	5.0 U	5.0	1	07/03/18 14:32	
Chloromethane	5.0 U	5.0	1	07/03/18 14:32	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 14:32	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 14:32	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 14:32	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 14:32	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 14:32	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 14:32	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 14:32	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 14:32	
cis-1,2-Dichloroethene	160	5.0	1	07/03/18 14:32	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 14:32	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 14:32	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 14:32	
Ethylbenzene	5.0 U	5.0	1	07/03/18 14:32	
Methylene Chloride	5.0 U	5.0	1	07/03/18 14:32	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 14:32	
Toluene	5.0 U	5.0	1	07/03/18 14:32	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 14:32	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 14:32	
Tetrachloroethene (PCE)	16	5.0	1	07/03/18 14:32	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 14:32	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 14:32	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 14:32	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 14:32	
o-Xylene	5.0 U	5.0	1	07/03/18 14:32	
Total Target Volatiles (TTV)	176.0	5.0	1	07/03/18 14:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 08:20
Date Received: 07/11/18 09:20

Sample Name: DUP-01 2018 Q2
Lab Code: R1806154-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	07/03/18 14:32	
Dibromofluoromethane	105	89 - 119	07/03/18 14:32	
Toluene-d8	104	87 - 121	07/03/18 14:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Sample Name: EQUIPMENT BLANK-01 2018 Q2
Lab Code: R1806154-010

Service Request: R1806154
Date Collected: 06/28/18 12:10
Date Received: 06/29/18 12:30

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 11:16	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 11:16	
Bromoform	5.0 U	5.0	1	07/03/18 11:16	
Bromomethane	5.0 U	5.0	1	07/03/18 11:16	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 11:16	
Chlorobenzene	5.0 U	5.0	1	07/03/18 11:16	
Chloroethane	5.0 U	5.0	1	07/03/18 11:16	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 11:16	
Chloroform	5.0 U	5.0	1	07/03/18 11:16	
Chloromethane	5.0 U	5.0	1	07/03/18 11:16	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 11:16	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 11:16	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 11:16	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 11:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 11:16	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 11:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 11:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 11:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 11:16	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 11:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 11:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 11:16	
Ethylbenzene	5.0 U	5.0	1	07/03/18 11:16	
Methylene Chloride	5.0 U	5.0	1	07/03/18 11:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 11:16	
Toluene	5.0 U	5.0	1	07/03/18 11:16	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 11:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 11:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 11:16	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 11:16	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 11:16	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 11:16	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 11:16	
o-Xylene	5.0 U	5.0	1	07/03/18 11:16	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 11:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Sample Name: EQUIPMENT BLANK-01 2018 Q2
Lab Code: R1806154-010

Service Request: R1806154
Date Collected: 06/28/18 12:10
Date Received: 06/29/18 12:30

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	07/03/18 11:16	
Dibromofluoromethane	103	89 - 119	07/03/18 11:16	
Toluene-d8	107	87 - 121	07/03/18 11:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 07:00
Date Received: 06/29/18 12:30

Sample Name: TRIP BLANK-01 2018 Q2
Lab Code: R1806154-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 11:37	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 11:37	
Bromoform	5.0 U	5.0	1	07/03/18 11:37	
Bromomethane	5.0 U	5.0	1	07/03/18 11:37	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 11:37	
Chlorobenzene	5.0 U	5.0	1	07/03/18 11:37	
Chloroethane	5.0 U	5.0	1	07/03/18 11:37	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 11:37	
Chloroform	5.0 U	5.0	1	07/03/18 11:37	
Chloromethane	5.0 U	5.0	1	07/03/18 11:37	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 11:37	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 11:37	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 11:37	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 11:37	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 11:37	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 11:37	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 11:37	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 11:37	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 11:37	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 11:37	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 11:37	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 11:37	
Ethylbenzene	5.0 U	5.0	1	07/03/18 11:37	
Methylene Chloride	5.0 U	5.0	1	07/03/18 11:37	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 11:37	
Toluene	5.0 U	5.0	1	07/03/18 11:37	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 11:37	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 11:37	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 11:37	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 11:37	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 11:37	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 11:37	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 11:37	
o-Xylene	5.0 U	5.0	1	07/03/18 11:37	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 11:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 07:00
Date Received: 06/29/18 12:30

Sample Name: TRIP BLANK-01 2018 Q2
Lab Code: R1806154-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	07/03/18 11:37	
Dibromofluoromethane	105	89 - 119	07/03/18 11:37	
Toluene-d8	106	87 - 121	07/03/18 11:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 10:00
Date Received: 06/30/18 09:20

Sample Name: OS-2R 2018 Q2
Lab Code: R1806154-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 13:23	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 13:23	
Bromoform	5.0 U	5.0	1	07/05/18 13:23	
Bromomethane	5.0 U	5.0	1	07/05/18 13:23	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 13:23	
Chlorobenzene	5.0 U	5.0	1	07/05/18 13:23	
Chloroethane	5.0 U	5.0	1	07/05/18 13:23	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 13:23	
Chloroform	5.0 U	5.0	1	07/05/18 13:23	
Chloromethane	5.0 U	5.0	1	07/05/18 13:23	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 13:23	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:23	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:23	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 13:23	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 13:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 13:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 13:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 13:23	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 13:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 13:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 13:23	
Ethylbenzene	5.0 U	5.0	1	07/05/18 13:23	
Methylene Chloride	5.0 U	5.0	1	07/05/18 13:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 13:23	
Toluene	5.0 U	5.0	1	07/05/18 13:23	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 13:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 13:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 13:23	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 13:23	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 13:23	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 13:23	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 13:23	
o-Xylene	5.0 U	5.0	1	07/05/18 13:23	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 13:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 10:00
Date Received: 06/30/18 09:20

Sample Name: OS-2R 2018 Q2
Lab Code: R1806154-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	07/05/18 13:23	
Dibromofluoromethane	103	89 - 119	07/05/18 13:23	
Toluene-d8	104	87 - 121	07/05/18 13:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 08:40
Date Received: 06/30/18 09:20

Sample Name: OS-5R 2018 Q2
Lab Code: R1806154-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 13:45	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 13:45	
Bromoform	5.0 U	5.0	1	07/05/18 13:45	
Bromomethane	5.0 U	5.0	1	07/05/18 13:45	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 13:45	
Chlorobenzene	5.0 U	5.0	1	07/05/18 13:45	
Chloroethane	5.0 U	5.0	1	07/05/18 13:45	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 13:45	
Chloroform	5.0 U	5.0	1	07/05/18 13:45	
Chloromethane	5.0 U	5.0	1	07/05/18 13:45	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 13:45	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:45	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:45	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 13:45	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 13:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 13:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 13:45	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 13:45	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 13:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 13:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 13:45	
Ethylbenzene	5.0 U	5.0	1	07/05/18 13:45	
Methylene Chloride	5.0 U	5.0	1	07/05/18 13:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 13:45	
Toluene	5.0 U	5.0	1	07/05/18 13:45	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 13:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 13:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 13:45	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 13:45	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 13:45	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 13:45	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 13:45	
o-Xylene	5.0 U	5.0	1	07/05/18 13:45	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 13:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 08:40
Date Received: 06/30/18 09:20

Sample Name: OS-5R 2018 Q2
Lab Code: R1806154-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	07/05/18 13:45	
Dibromofluoromethane	100	89 - 119	07/05/18 13:45	
Toluene-d8	100	87 - 121	07/05/18 13:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 09:35
Date Received: 06/30/18 09:20

Sample Name: OS-5D 2018 Q2
Lab Code: R1806154-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 14:07	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 14:07	
Bromoform	5.0 U	5.0	1	07/05/18 14:07	
Bromomethane	5.0 U	5.0	1	07/05/18 14:07	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 14:07	
Chlorobenzene	5.0 U	5.0	1	07/05/18 14:07	
Chloroethane	5.0 U	5.0	1	07/05/18 14:07	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 14:07	
Chloroform	5.0 U	5.0	1	07/05/18 14:07	
Chloromethane	5.0 U	5.0	1	07/05/18 14:07	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 14:07	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:07	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:07	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 14:07	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 14:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 14:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 14:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 14:07	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 14:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 14:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 14:07	
Ethylbenzene	5.0 U	5.0	1	07/05/18 14:07	
Methylene Chloride	5.0 U	5.0	1	07/05/18 14:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 14:07	
Toluene	5.0 U	5.0	1	07/05/18 14:07	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 14:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 14:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 14:07	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 14:07	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 14:07	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 14:07	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 14:07	
o-Xylene	5.0 U	5.0	1	07/05/18 14:07	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 14:07	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 09:35
Date Received: 06/30/18 09:20

Sample Name: OS-5D 2018 Q2
Lab Code: R1806154-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	07/05/18 14:07	
Dibromofluoromethane	99	89 - 119	07/05/18 14:07	
Toluene-d8	100	87 - 121	07/05/18 14:07	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 08:00
Date Received: 06/30/18 09:20

Sample Name: OS-6 2018 Q2
Lab Code: R1806154-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 14:29	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 14:29	
Bromoform	5.0 U	5.0	1	07/05/18 14:29	
Bromomethane	5.0 U	5.0	1	07/05/18 14:29	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 14:29	
Chlorobenzene	5.0 U	5.0	1	07/05/18 14:29	
Chloroethane	5.0 U	5.0	1	07/05/18 14:29	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 14:29	
Chloroform	5.0 U	5.0	1	07/05/18 14:29	
Chloromethane	5.0 U	5.0	1	07/05/18 14:29	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 14:29	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:29	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:29	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 14:29	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 14:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 14:29	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 14:29	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 14:29	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 14:29	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 14:29	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 14:29	
Ethylbenzene	5.0 U	5.0	1	07/05/18 14:29	
Methylene Chloride	5.0 U	5.0	1	07/05/18 14:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 14:29	
Toluene	5.0 U	5.0	1	07/05/18 14:29	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 14:29	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 14:29	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 14:29	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 14:29	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 14:29	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 14:29	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 14:29	
o-Xylene	5.0 U	5.0	1	07/05/18 14:29	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 14:29	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 08:00
Date Received: 06/30/18 09:20

Sample Name: OS-6 2018 Q2
Lab Code: R1806154-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	07/05/18 14:29	
Dibromofluoromethane	100	89 - 119	07/05/18 14:29	
Toluene-d8	100	87 - 121	07/05/18 14:29	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:40
Date Received: 06/30/18 09:20

Sample Name: OS-6R 2018 Q2
Lab Code: R1806154-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 14:52	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 14:52	
Bromoform	5.0 U	5.0	1	07/05/18 14:52	
Bromomethane	5.0 U	5.0	1	07/05/18 14:52	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 14:52	
Chlorobenzene	5.0 U	5.0	1	07/05/18 14:52	
Chloroethane	5.0 U	5.0	1	07/05/18 14:52	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 14:52	
Chloroform	5.0 U	5.0	1	07/05/18 14:52	
Chloromethane	5.0 U	5.0	1	07/05/18 14:52	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 14:52	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:52	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:52	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 14:52	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 14:52	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 14:52	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 14:52	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 14:52	
cis-1,2-Dichloroethene	17	5.0	1	07/05/18 14:52	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 14:52	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 14:52	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 14:52	
Ethylbenzene	5.0 U	5.0	1	07/05/18 14:52	
Methylene Chloride	5.0 U	5.0	1	07/05/18 14:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 14:52	
Toluene	5.0 U	5.0	1	07/05/18 14:52	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 14:52	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 14:52	
Tetrachloroethene (PCE)	16	5.0	1	07/05/18 14:52	
Trichloroethene (TCE)	14	5.0	1	07/05/18 14:52	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 14:52	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 14:52	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 14:52	
o-Xylene	5.0 U	5.0	1	07/05/18 14:52	
Total Target Volatiles (TTV)	47.0	5.0	1	07/05/18 14:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:40
Date Received: 06/30/18 09:20

Sample Name: OS-6R 2018 Q2
Lab Code: R1806154-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	07/05/18 14:52	
Dibromofluoromethane	101	89 - 119	07/05/18 14:52	
Toluene-d8	103	87 - 121	07/05/18 14:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 10:00
Date Received: 06/29/18 12:30

Sample Name: OS-7R 2018 Q2
Lab Code: R1806154-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 13:26	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 13:26	
Bromoform	5.0 U	5.0	1	07/03/18 13:26	
Bromomethane	5.0 U	5.0	1	07/03/18 13:26	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 13:26	
Chlorobenzene	5.0 U	5.0	1	07/03/18 13:26	
Chloroethane	5.0 U	5.0	1	07/03/18 13:26	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 13:26	
Chloroform	5.0 U	5.0	1	07/03/18 13:26	
Chloromethane	5.0 U	5.0	1	07/03/18 13:26	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 13:26	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:26	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:26	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:26	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 13:26	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 13:26	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 13:26	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 13:26	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 13:26	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 13:26	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 13:26	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 13:26	
Ethylbenzene	5.0 U	5.0	1	07/03/18 13:26	
Methylene Chloride	5.0 U	5.0	1	07/03/18 13:26	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 13:26	
Toluene	5.0 U	5.0	1	07/03/18 13:26	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 13:26	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 13:26	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 13:26	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 13:26	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 13:26	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 13:26	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 13:26	
o-Xylene	5.0 U	5.0	1	07/03/18 13:26	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 13:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 10:00
Date Received: 06/29/18 12:30

Sample Name: OS-7R 2018 Q2
Lab Code: R1806154-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	07/03/18 13:26	
Dibromofluoromethane	101	89 - 119	07/03/18 13:26	
Toluene-d8	103	87 - 121	07/03/18 13:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 10:40
Date Received: 06/29/18 12:30

Sample Name: OS-7D 2018 Q2
Lab Code: R1806154-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 13:48	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 13:48	
Bromoform	5.0 U	5.0	1	07/03/18 13:48	
Bromomethane	5.0 U	5.0	1	07/03/18 13:48	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 13:48	
Chlorobenzene	5.0 U	5.0	1	07/03/18 13:48	
Chloroethane	5.0 U	5.0	1	07/03/18 13:48	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 13:48	
Chloroform	5.0 U	5.0	1	07/03/18 13:48	
Chloromethane	5.0 U	5.0	1	07/03/18 13:48	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 13:48	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:48	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:48	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 13:48	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 13:48	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 13:48	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 13:48	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 13:48	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 13:48	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 13:48	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 13:48	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 13:48	
Ethylbenzene	5.0 U	5.0	1	07/03/18 13:48	
Methylene Chloride	5.0 U	5.0	1	07/03/18 13:48	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 13:48	
Toluene	5.0 U	5.0	1	07/03/18 13:48	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 13:48	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 13:48	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 13:48	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 13:48	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 13:48	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 13:48	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 13:48	
o-Xylene	5.0 U	5.0	1	07/03/18 13:48	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 13:48	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 10:40
Date Received: 06/29/18 12:30

Sample Name: OS-7D 2018 Q2
Lab Code: R1806154-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	07/03/18 13:48	
Dibromofluoromethane	100	89 - 119	07/03/18 13:48	
Toluene-d8	101	87 - 121	07/03/18 13:48	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 12:40
Date Received: 06/29/18 12:30

Sample Name: OS-9 2018 Q2
Lab Code: R1806154-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 16:14	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 16:14	
Bromoform	5.0 U	5.0	1	07/03/18 16:14	
Bromomethane	5.0 U	5.0	1	07/03/18 16:14	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 16:14	
Chlorobenzene	5.0 U	5.0	1	07/03/18 16:14	
Chloroethane	5.0 U	5.0	1	07/03/18 16:14	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 16:14	
Chloroform	5.0 U	5.0	1	07/03/18 16:14	
Chloromethane	5.0 U	5.0	1	07/03/18 16:14	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 16:14	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:14	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:14	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:14	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 16:14	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 16:14	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 16:14	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 16:14	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 16:14	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 16:14	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 16:14	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 16:14	
Ethylbenzene	5.0 U	5.0	1	07/03/18 16:14	
Methylene Chloride	5.0 U	5.0	1	07/03/18 16:14	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 16:14	
Toluene	5.0 U	5.0	1	07/03/18 16:14	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 16:14	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 16:14	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 16:14	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 16:14	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 16:14	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 16:14	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 16:14	
o-Xylene	5.0 U	5.0	1	07/03/18 16:14	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 16:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 12:40
Date Received: 06/29/18 12:30

Sample Name: OS-9 2018 Q2
Lab Code: R1806154-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	07/03/18 16:14	
Dibromofluoromethane	97	89 - 119	07/03/18 16:14	
Toluene-d8	99	87 - 121	07/03/18 16:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 13:00
Date Received: 06/29/18 12:30

Sample Name: OS-9R 2018 Q2
Lab Code: R1806154-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 16:36	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 16:36	
Bromoform	5.0 U	5.0	1	07/03/18 16:36	
Bromomethane	5.0 U	5.0	1	07/03/18 16:36	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 16:36	
Chlorobenzene	5.0 U	5.0	1	07/03/18 16:36	
Chloroethane	5.0 U	5.0	1	07/03/18 16:36	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 16:36	
Chloroform	5.0 U	5.0	1	07/03/18 16:36	
Chloromethane	5.0 U	5.0	1	07/03/18 16:36	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 16:36	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:36	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:36	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 16:36	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 16:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 16:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 16:36	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 16:36	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 16:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 16:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 16:36	
Ethylbenzene	5.0 U	5.0	1	07/03/18 16:36	
Methylene Chloride	5.0 U	5.0	1	07/03/18 16:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 16:36	
Toluene	5.0 U	5.0	1	07/03/18 16:36	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 16:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 16:36	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 16:36	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 16:36	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 16:36	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 16:36	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 16:36	
o-Xylene	5.0 U	5.0	1	07/03/18 16:36	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 16:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 13:00
Date Received: 06/29/18 12:30

Sample Name: OS-9R 2018 Q2
Lab Code: R1806154-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	07/03/18 16:36	
Dibromofluoromethane	92	89 - 119	07/03/18 16:36	
Toluene-d8	99	87 - 121	07/03/18 16:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:10
Date Received: 06/30/18 09:20

Sample Name: OS-11R 2018 Q2
Lab Code: R1806154-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 15:14	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 15:14	
Bromoform	5.0 U	5.0	1	07/05/18 15:14	
Bromomethane	5.0 U	5.0	1	07/05/18 15:14	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 15:14	
Chlorobenzene	5.0 U	5.0	1	07/05/18 15:14	
Chloroethane	5.0 U	5.0	1	07/05/18 15:14	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 15:14	
Chloroform	5.0 U	5.0	1	07/05/18 15:14	
Chloromethane	5.0 U	5.0	1	07/05/18 15:14	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 15:14	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:14	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:14	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:14	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 15:14	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 15:14	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 15:14	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 15:14	
cis-1,2-Dichloroethene	6.0	5.0	1	07/05/18 15:14	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 15:14	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 15:14	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 15:14	
Ethylbenzene	5.0 U	5.0	1	07/05/18 15:14	
Methylene Chloride	5.0 U	5.0	1	07/05/18 15:14	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 15:14	
Toluene	5.0 U	5.0	1	07/05/18 15:14	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 15:14	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 15:14	
Tetrachloroethene (PCE)	5.5	5.0	1	07/05/18 15:14	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 15:14	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 15:14	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 15:14	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 15:14	
o-Xylene	5.0 U	5.0	1	07/05/18 15:14	
Total Target Volatiles (TTV)	11.5	5.0	1	07/05/18 15:14	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:10
Date Received: 06/30/18 09:20

Sample Name: OS-11R 2018 Q2
Lab Code: R1806154-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	07/05/18 15:14	
Dibromofluoromethane	98	89 - 119	07/05/18 15:14	
Toluene-d8	100	87 - 121	07/05/18 15:14	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:15
Date Received: 06/30/18 09:20

Sample Name: OS-11D 2018 Q2
Lab Code: R1806154-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 15:36	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 15:36	
Bromoform	5.0 U	5.0	1	07/05/18 15:36	
Bromomethane	5.0 U	5.0	1	07/05/18 15:36	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 15:36	
Chlorobenzene	5.0 U	5.0	1	07/05/18 15:36	
Chloroethane	5.0 U	5.0	1	07/05/18 15:36	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 15:36	
Chloroform	5.0 U	5.0	1	07/05/18 15:36	
Chloromethane	5.0 U	5.0	1	07/05/18 15:36	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 15:36	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:36	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:36	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 15:36	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 15:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 15:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 15:36	
cis-1,2-Dichloroethene	5.8	5.0	1	07/05/18 15:36	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 15:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 15:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 15:36	
Ethylbenzene	5.0 U	5.0	1	07/05/18 15:36	
Methylene Chloride	5.0 U	5.0	1	07/05/18 15:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 15:36	
Toluene	5.0 U	5.0	1	07/05/18 15:36	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 15:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 15:36	
Tetrachloroethene (PCE)	5.7	5.0	1	07/05/18 15:36	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 15:36	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 15:36	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 15:36	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 15:36	
o-Xylene	5.0 U	5.0	1	07/05/18 15:36	
Total Target Volatiles (TTV)	11.5	5.0	1	07/05/18 15:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:15
Date Received: 06/30/18 09:20

Sample Name: OS-11D 2018 Q2
Lab Code: R1806154-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	07/05/18 15:36	
Dibromofluoromethane	100	89 - 119	07/05/18 15:36	
Toluene-d8	100	87 - 121	07/05/18 15:36	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 12:05
Date Received: 06/29/18 12:30

Sample Name: OS-12R 2018 Q2
Lab Code: R1806154-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 16:58	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 16:58	
Bromoform	5.0 U	5.0	1	07/03/18 16:58	
Bromomethane	5.0 U	5.0	1	07/03/18 16:58	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 16:58	
Chlorobenzene	5.0 U	5.0	1	07/03/18 16:58	
Chloroethane	5.0 U	5.0	1	07/03/18 16:58	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 16:58	
Chloroform	5.0 U	5.0	1	07/03/18 16:58	
Chloromethane	5.0 U	5.0	1	07/03/18 16:58	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 16:58	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:58	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:58	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 16:58	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 16:58	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 16:58	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 16:58	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 16:58	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 16:58	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 16:58	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 16:58	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 16:58	
Ethylbenzene	5.0 U	5.0	1	07/03/18 16:58	
Methylene Chloride	5.0 U	5.0	1	07/03/18 16:58	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 16:58	
Toluene	5.0 U	5.0	1	07/03/18 16:58	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 16:58	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 16:58	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 16:58	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 16:58	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 16:58	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 16:58	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 16:58	
o-Xylene	5.0 U	5.0	1	07/03/18 16:58	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 16:58	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 12:05
Date Received: 06/29/18 12:30

Sample Name: OS-12R 2018 Q2
Lab Code: R1806154-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	07/03/18 16:58	
Dibromofluoromethane	102	89 - 119	07/03/18 16:58	
Toluene-d8	105	87 - 121	07/03/18 16:58	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 11:15
Date Received: 06/29/18 12:30

Sample Name: OS-15R 2018 Q2
Lab Code: R1806154-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 17:20	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 17:20	
Bromoform	5.0 U	5.0	1	07/03/18 17:20	
Bromomethane	5.0 U	5.0	1	07/03/18 17:20	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 17:20	
Chlorobenzene	5.0 U	5.0	1	07/03/18 17:20	
Chloroethane	5.0 U	5.0	1	07/03/18 17:20	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 17:20	
Chloroform	5.0 U	5.0	1	07/03/18 17:20	
Chloromethane	5.0 U	5.0	1	07/03/18 17:20	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 17:20	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 17:20	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 17:20	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 17:20	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 17:20	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 17:20	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 17:20	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 17:20	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 17:20	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 17:20	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 17:20	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 17:20	
Ethylbenzene	5.0 U	5.0	1	07/03/18 17:20	
Methylene Chloride	5.0 U	5.0	1	07/03/18 17:20	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 17:20	
Toluene	5.0 U	5.0	1	07/03/18 17:20	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 17:20	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 17:20	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 17:20	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 17:20	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 17:20	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 17:20	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 17:20	
o-Xylene	5.0 U	5.0	1	07/03/18 17:20	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 17:20	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 11:15
Date Received: 06/29/18 12:30

Sample Name: OS-15R 2018 Q2
Lab Code: R1806154-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	07/03/18 17:20	
Dibromofluoromethane	104	89 - 119	07/03/18 17:20	
Toluene-d8	103	87 - 121	07/03/18 17:20	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 11:45
Date Received: 06/29/18 12:30

Sample Name: OS-15D 2018 Q2
Lab Code: R1806154-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 17:41	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 17:41	
Bromoform	5.0 U	5.0	1	07/03/18 17:41	
Bromomethane	5.0 U	5.0	1	07/03/18 17:41	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 17:41	
Chlorobenzene	5.0 U	5.0	1	07/03/18 17:41	
Chloroethane	5.0 U	5.0	1	07/03/18 17:41	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 17:41	
Chloroform	5.0 U	5.0	1	07/03/18 17:41	
Chloromethane	5.0 U	5.0	1	07/03/18 17:41	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 17:41	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 17:41	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 17:41	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 17:41	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 17:41	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 17:41	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 17:41	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 17:41	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 17:41	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 17:41	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 17:41	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 17:41	
Ethylbenzene	5.0 U	5.0	1	07/03/18 17:41	
Methylene Chloride	5.0 U	5.0	1	07/03/18 17:41	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 17:41	
Toluene	5.0 U	5.0	1	07/03/18 17:41	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 17:41	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 17:41	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 17:41	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 17:41	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 17:41	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 17:41	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 17:41	
o-Xylene	5.0 U	5.0	1	07/03/18 17:41	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 17:41	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18 11:45
Date Received: 06/29/18 12:30

Sample Name: OS-15D 2018 Q2
Lab Code: R1806154-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	85 - 122	07/03/18 17:41	
Dibromofluoromethane	100	89 - 119	07/03/18 17:41	
Toluene-d8	102	87 - 121	07/03/18 17:41	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 08:45
Date Received: 06/30/18 09:20

Sample Name: DUP-02 2018 Q2
Lab Code: R1806154-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 15:58	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 15:58	
Bromoform	5.0 U	5.0	1	07/05/18 15:58	
Bromomethane	5.0 U	5.0	1	07/05/18 15:58	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 15:58	
Chlorobenzene	5.0 U	5.0	1	07/05/18 15:58	
Chloroethane	5.0 U	5.0	1	07/05/18 15:58	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 15:58	
Chloroform	5.0 U	5.0	1	07/05/18 15:58	
Chloromethane	5.0 U	5.0	1	07/05/18 15:58	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 15:58	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:58	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:58	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 15:58	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 15:58	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 15:58	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 15:58	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 15:58	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 15:58	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 15:58	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 15:58	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 15:58	
Ethylbenzene	5.0 U	5.0	1	07/05/18 15:58	
Methylene Chloride	5.0 U	5.0	1	07/05/18 15:58	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 15:58	
Toluene	5.0 U	5.0	1	07/05/18 15:58	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 15:58	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 15:58	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 15:58	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 15:58	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 15:58	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 15:58	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 15:58	
o-Xylene	5.0 U	5.0	1	07/05/18 15:58	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 15:58	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 08:45
Date Received: 06/30/18 09:20

Sample Name: DUP-02 2018 Q2
Lab Code: R1806154-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	07/05/18 15:58	
Dibromofluoromethane	98	89 - 119	07/05/18 15:58	
Toluene-d8	102	87 - 121	07/05/18 15:58	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:00
Date Received: 06/29/18 09:20

Sample Name: TRIP BLANK-02 2018 Q2
Lab Code: R1806154-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 13:01	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 13:01	
Bromoform	5.0 U	5.0	1	07/05/18 13:01	
Bromomethane	5.0 U	5.0	1	07/05/18 13:01	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 13:01	
Chlorobenzene	5.0 U	5.0	1	07/05/18 13:01	
Chloroethane	5.0 U	5.0	1	07/05/18 13:01	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 13:01	
Chloroform	5.0 U	5.0	1	07/05/18 13:01	
Chloromethane	5.0 U	5.0	1	07/05/18 13:01	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 13:01	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:01	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:01	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 13:01	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 13:01	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 13:01	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 13:01	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 13:01	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 13:01	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 13:01	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 13:01	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 13:01	
Ethylbenzene	5.0 U	5.0	1	07/05/18 13:01	
Methylene Chloride	5.0 U	5.0	1	07/05/18 13:01	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 13:01	
Toluene	5.0 U	5.0	1	07/05/18 13:01	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 13:01	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 13:01	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 13:01	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 13:01	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 13:01	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 13:01	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 13:01	
o-Xylene	5.0 U	5.0	1	07/05/18 13:01	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 13:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18 07:00
Date Received: 06/29/18 09:20

Sample Name: TRIP BLANK-02 2018 Q2
Lab Code: R1806154-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	07/05/18 13:01	
Dibromofluoromethane	101	89 - 119	07/05/18 13:01	
Toluene-d8	103	87 - 121	07/05/18 13:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 16:45
Date Received: 07/11/18 09:20

Sample Name: TRIP BLANK-03 2018 Q2
Lab Code: R1806154-029

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/12/18 14:54	
Bromodichloromethane	5.0 U	5.0	1	07/12/18 14:54	
Bromoform	5.0 U	5.0	1	07/12/18 14:54	
Bromomethane	5.0 U	5.0	1	07/12/18 14:54	
Carbon Tetrachloride	5.0 U	5.0	1	07/12/18 14:54	
Chlorobenzene	5.0 U	5.0	1	07/12/18 14:54	
Chloroethane	5.0 U	5.0	1	07/12/18 14:54	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/12/18 14:54	
Chloroform	5.0 U	5.0	1	07/12/18 14:54	
Chloromethane	5.0 U	5.0	1	07/12/18 14:54	
Dibromochloromethane	5.0 U	5.0	1	07/12/18 14:54	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/12/18 14:54	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/12/18 14:54	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/12/18 14:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/12/18 14:54	
1,2-Dichloroethane	5.0 U	5.0	1	07/12/18 14:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/12/18 14:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 14:54	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 14:54	
1,2-Dichloropropane	5.0 U	5.0	1	07/12/18 14:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 14:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 14:54	
Ethylbenzene	5.0 U	5.0	1	07/12/18 14:54	
Methylene Chloride	5.0 U	5.0	1	07/12/18 14:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/12/18 14:54	
Toluene	5.0 U	5.0	1	07/12/18 14:54	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/12/18 14:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/12/18 14:54	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/12/18 14:54	
Trichloroethene (TCE)	5.0 U	5.0	1	07/12/18 14:54	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/12/18 14:54	
Vinyl Chloride	5.0 U	5.0	1	07/12/18 14:54	
m,p-Xylenes	5.0 U	5.0	1	07/12/18 14:54	
o-Xylene	5.0 U	5.0	1	07/12/18 14:54	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/12/18 14:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 16:45
Date Received: 07/11/18 09:20

Sample Name: TRIP BLANK-03 2018 Q2
Lab Code: R1806154-029

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	07/12/18 14:54	
Dibromofluoromethane	95	89 - 119	07/12/18 14:54	
Toluene-d8	97	87 - 121	07/12/18 14:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 17:20
Date Received: 07/11/18 09:20

Sample Name: DUP-01
Lab Code: R1806154-030

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/12/18 15:59	
Bromodichloromethane	5.0 U	5.0	1	07/12/18 15:59	
Bromoform	5.0 U	5.0	1	07/12/18 15:59	
Bromomethane	5.0 U	5.0	1	07/12/18 15:59	
Carbon Tetrachloride	5.0 U	5.0	1	07/12/18 15:59	
Chlorobenzene	5.0 U	5.0	1	07/12/18 15:59	
Chloroethane	5.0 U	5.0	1	07/12/18 15:59	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/12/18 15:59	
Chloroform	5.0 U	5.0	1	07/12/18 15:59	
Chloromethane	5.0 U	5.0	1	07/12/18 15:59	
Dibromochloromethane	5.0 U	5.0	1	07/12/18 15:59	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:59	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:59	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/12/18 15:59	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/12/18 15:59	
1,2-Dichloroethane	5.0 U	5.0	1	07/12/18 15:59	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/12/18 15:59	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 15:59	
cis-1,2-Dichloroethene	8.3	5.0	1	07/12/18 15:59	
1,2-Dichloropropane	5.0 U	5.0	1	07/12/18 15:59	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 15:59	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 15:59	
Ethylbenzene	5.0 U	5.0	1	07/12/18 15:59	
Methylene Chloride	5.0 U	5.0	1	07/12/18 15:59	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/12/18 15:59	
Toluene	5.0 U	5.0	1	07/12/18 15:59	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/12/18 15:59	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/12/18 15:59	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/12/18 15:59	
Trichloroethene (TCE)	5.0 U	5.0	1	07/12/18 15:59	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/12/18 15:59	
Vinyl Chloride	5.0 U	5.0	1	07/12/18 15:59	
m,p-Xylenes	5.0 U	5.0	1	07/12/18 15:59	
o-Xylene	5.0 U	5.0	1	07/12/18 15:59	
Total Target Volatiles (TTV)	8.3	5.0	1	07/12/18 15:59	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18 17:20
Date Received: 07/11/18 09:20

Sample Name: DUP-01
Lab Code: R1806154-030

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	07/12/18 15:59	
Dibromofluoromethane	96	89 - 119	07/12/18 15:59	
Toluene-d8	96	87 - 121	07/12/18 15:59	



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 6/28/18 0815
Date Received: 6/29/18
Date Extracted: 7/5/18
Date Analyzed: 7/10/18 16:59

Sample Name: PW-2 2018 Q2
Lab Code: R1806154-007

Units: µg/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analytical Method: 8015C
Prep Method: EPA 3510C
Data File Name: I:\ACQUDATA\6890\DATA\071018\BH901.D\

Analysis Lot: 598073
Extraction Lot: 317127
Instrument Name: R-GC-59
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
64475-85-0	Mineral Spirits	100	U	100	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	50	50-150	7/10/18 16:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 6/28/18 0815
Date Received: 6/29/18
Date Extracted: 7/11/18
Date Analyzed: 7/12/18 13:58

Sample Name: PW-2 2018 Q2
Lab Code: R1806154-007
Run Type: Reanalysis

Units: µg/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analytical Method: 8015C
Prep Method: EPA 3510C
Data File Name: I:\ACQUDATA\6890\DATA\071218\BH911.D\

Analysis Lot: 598466
Extraction Lot: 317522
Instrument Name: R-GC-59
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
64475-85-0	Mineral Spirits	100	U	100	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	48 *	50-150	7/12/18 13:58	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 6/28/18 0820
Date Received: 6/29/18
Date Extracted: 7/5/18
Date Analyzed: 7/10/18 17:22

Sample Name: DUP-01 2018 Q2
Lab Code: R1806154-009

Units: µg/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analytical Method: 8015C
Prep Method: EPA 3510C
Data File Name: I:\ACQUDATA\6890\DATA\071018\BH902.D\

Analysis Lot: 598073
Extraction Lot: 317127
Instrument Name: R-GC-59
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
64475-85-0	Mineral Spirits	100	U	100	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	60	50-150	7/10/18 17:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 6/28/18 0820
Date Received: 6/29/18
Date Extracted: 7/11/18
Date Analyzed: 7/12/18 14:21

Sample Name: DUP-01 2018 Q2
Lab Code: R1806154-009
Run Type: Reanalysis

Units: µg/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analytical Method: 8015C
Prep Method: EPA 3510C
Data File Name: I:\ACQUDATA\6890\DATA\071218\BH912.D\

Analysis Lot: 598466
Extraction Lot: 317522
Instrument Name: R-GC-59
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
64475-85-0	Mineral Spirits	100	U	100	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	80	50-150	7/12/18 14:21	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
OW-1 2018 Q2	R1806154-005	91	99	99
OW-2 2018 Q2	R1806154-006	87	97	97
OS-2R 2018 Q2	R1806154-012	97	103	104
OS-5R 2018 Q2	R1806154-013	97	100	100
OS-5D 2018 Q2	R1806154-014	91	99	100
OS-6 2018 Q2	R1806154-015	96	100	100
OS-6R 2018 Q2	R1806154-016	96	101	103
OS-11R 2018 Q2	R1806154-021	97	98	100
OS-11D 2018 Q2	R1806154-022	100	100	100
DUP-02 2018 Q2	R1806154-026	94	98	102
TRIP BLANK-02 2018 Q2	R1806154-028	96	101	103
TRIP BLANK-03 2018 Q2	R1806154-029	86	95	97
DUP-01	R1806154-030	90	96	96
Method Blank	RQ1806772-05	94	103	102
Method Blank	RQ1807100-05	88	98	97
Lab Control Sample	RQ1806772-04	96	104	103
Lab Control Sample	RQ1807100-04	96	99	100
OS-5R 2018 Q2 MS	RQ1806772-06	99	108	102
OS-5R 2018 Q2 DMS	RQ1806772-07	100	106	102
OW-1 2018 Q2 MS	RQ1807100-06	97	98	98
OW-1 2018 Q2 DMS	RQ1807100-07	98	102	99
W-2 2018 Q2	R1806154-001	91	97	104
U-6D 2018 Q2	R1806154-002	90	98	102
MW-12 2018 Q2	R1806154-003	94	102	104
PW-2 2018 Q2	R1806154-007	97	105	105
RI-6 2018 Q2	R1806154-008	90	99	101
DUP-01 2018 Q2	R1806154-009	93	105	104
EQUIPMENT BLANK-01 2018 Q2	R1806154-010	97	103	107
TRIP BLANK-01 2018 Q2	R1806154-011	93	105	106
OS-7R 2018 Q2	R1806154-017	91	101	103
OS-7D 2018 Q2	R1806154-018	91	100	101
OS-9 2018 Q2	R1806154-019	89	97	99
OS-9R 2018 Q2	R1806154-020	88	92	99
OS-12R 2018 Q2	R1806154-023	92	102	105
OS-15R 2018 Q2	R1806154-024	93	104	103
OS-15D 2018 Q2	R1806154-025	93	100	102
Method Blank	RQ1806746-05	90	100	103

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QA/QC Report

Client: Xerox Corporation USA

Service Request: R1806154

Project: Blauvelt Wells 2nd Quarter 2018

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
Lab Control Sample	RQ1806746-03	99	103	102
MW-12 2018 Q2 MS	RQ1806746-06	110	106	108
MW-12 2018 Q2 DMS	RQ1806746-07	102	105	103

ALS Group USA, Corp.
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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/28/18
Date Received: 06/29/18
Date Analyzed: 07/3/18

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: MW-12 2018 Q2
Lab Code: R1806154-003
Analysis Method: 8260C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1806746-06			Duplicate Matrix Spike RQ1806746-07			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Benzene	100 U	943	1000	94	924	1000	92	76-129	2	30
Bromodichloromethane	100 U	1030	1000	103	1050	1000	105	78-133	2	30
Bromoform	100 U	1020	1000	102	1020	1000	102	58-133	<1	30
Bromomethane	100 U	701	1000	70	707	1000	71	10-184	<1	30
Carbon Tetrachloride	100 U	1100	1000	110	1110	1000	111	65-135	1	30
Chlorobenzene	100 U	975	1000	97	972	1000	97	76-125	<1	30
Chloroethane	100 U	749	1000	75	748	1000	75	48-146	<1	30
2-Chloroethyl Vinyl Ether	100 U	627	1000	63	604	1000	60	19-162	4	30
Chloroform	100 U	1030	1000	103	1040	1000	104	75-130	<1	30
Chloromethane	100 U	839	1000	84	858	1000	86	55-160	2	30
Dibromochloromethane	100 U	1090	1000	109	1110	1000	111	72-128	2	30
1,2-Dichlorobenzene	100 U	938	1000	94	945	1000	95	77-120	<1	30
1,3-Dichlorobenzene	100 U	942	1000	94	941	1000	94	83-121	<1	30
1,4-Dichlorobenzene	100 U	920	1000	92	923	1000	92	82-120	<1	30
1,1-Dichloroethane (1,1-DCA)	100 U	1050	1000	105	1060	1000	106	74-132	2	30
1,2-Dichloroethane	100 U	1000	1000	100	1020	1000	102	68-130	2	30
1,1-Dichloroethene (1,1-DCE)	100 U	963	1000	96	963	1000	96	71-118	<1	30
trans-1,2-Dichloroethene	100 U	1020	1000	102	1020	1000	102	73-118	<1	30
cis-1,2-Dichloroethene	2200 D	3250	1000	101	3280	1000	104	77-127	<1	30
1,2-Dichloropropane	100 U	996	1000	100	1010	1000	101	79-124	<1	30
cis-1,3-Dichloropropene	100 U	1020	1000	102	1040	1000	104	52-134	3	30
trans-1,3-Dichloropropene	100 U	1090	1000	109	1110	1000	111	71-133	2	30
Ethylbenzene	100 U	1060	1000	106	1010	1000	101	72-134	5	30
Methylene Chloride	100 U	932	1000	93	953	1000	95	73-122	2	30
1,1,2,2-Tetrachloroethane	100 U	996	1000	100	1000	1000	100	72-122	<1	30
Toluene	100 U	1030	1000	103	1010	1000	101	79-119	2	30
1,1,1-Trichloroethane (TCA)	100 U	1130	1000	113	1140	1000	114	74-127	<1	30
1,1,2-Trichloroethane	100 U	1020	1000	102	996	1000	100	82-121	3	30
Tetrachloroethene (PCE)	100 U	964	1000	96	951	1000	95	72-125	1	30
Trichloroethene (TCE)	100 U	1010	1000	101	996	1000	100	74-122	1	30
Trichlorofluoromethane (CFC 11)	100 U	954	1000	95	935	1000	94	71-136	2	30
Vinyl Chloride	100 U	811	1000	81	817	1000	82	74-159	<1	30
m,p-Xylenes	100 U	2090	2000	104	2050	2000	102	80-126	2	30
o-Xylene	100 U	997	1000	100	1000	1000	100	79-123	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 06/29/18
Date Received: 06/30/18
Date Analyzed: 07/5/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OS-5R 2018 Q2
Lab Code: R1806154-013
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1806772-06				Duplicate Matrix Spike RQ1806772-07				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Benzene	5.0 U	51.8	50.0	104	53.2	50.0	106	76-129	3	30
Bromodichloromethane	5.0 U	53.1	50.0	106	56.6	50.0	113	78-133	6	30
Bromoform	5.0 U	49.0	50.0	98	54.8	50.0	110	58-133	11	30
Bromomethane	5.0 U	80.0	50.0	160	80.0	50.0	160	10-184	<1	30
Carbon Tetrachloride	5.0 U	57.8	50.0	116	60.0	50.0	120	65-135	4	30
Chlorobenzene	5.0 U	49.5	50.0	99	50.9	50.0	102	76-125	3	30
Chloroethane	5.0 U	52.6	50.0	105	53.7	50.0	107	48-146	2	30
2-Chloroethyl Vinyl Ether	5.0 U	31.7	50.0	63	31.8	50.0	64	19-162	<1	30
Chloroform	5.0 U	59.6	50.0	119	61.1	50.0	122	75-130	3	30
Chloromethane	5.0 U	48.9	50.0	98	51.8	50.0	104	55-160	6	30
Dibromochloromethane	5.0 U	54.5	50.0	109	56.3	50.0	113	72-128	3	30
1,2-Dichlorobenzene	5.0 U	47.4	50.0	95	50.8	50.0	102	77-120	7	30
1,3-Dichlorobenzene	5.0 U	47.4	50.0	95	51.4	50.0	103	83-121	8	30
1,4-Dichlorobenzene	5.0 U	46.2	50.0	92	50.2	50.0	100	82-120	8	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	54.9	50.0	110	55.7	50.0	111	74-132	1	30
1,2-Dichloroethane	5.0 U	53.1	50.0	106	54.7	50.0	109	68-130	3	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	53.9	50.0	108	57.0	50.0	114	71-118	5	30
trans-1,2-Dichloroethene	5.0 U	53.1	50.0	106	55.4	50.0	111	73-118	4	30
cis-1,2-Dichloroethene	5.0 U	54.3	50.0	109	58.3	50.0	117	77-127	7	30
1,2-Dichloropropane	5.0 U	50.7	50.0	101	52.5	50.0	105	79-124	3	30
cis-1,3-Dichloropropene	5.0 U	50.0	50.0	100	52.8	50.0	106	52-134	6	30
trans-1,3-Dichloropropene	5.0 U	50.0	50.0	100	53.1	50.0	106	71-133	6	30
Ethylbenzene	5.0 U	53.7	50.0	107	55.3	50.0	111	72-134	3	30
Methylene Chloride	5.0 U	47.5	50.0	95	52.4	50.0	105	73-122	10	30
1,1,2,2-Tetrachloroethane	5.0 U	49.2	50.0	98	52.8	50.0	106	72-122	7	30
Toluene	5.0 U	54.4	50.0	109	55.6	50.0	111	79-119	2	30
1,1,1-Trichloroethane (TCA)	5.0 U	59.4	50.0	119	63.5	50.0	127	74-127	7	30
1,1,2-Trichloroethane	5.0 U	51.6	50.0	103	53.5	50.0	107	82-121	4	30
Tetrachloroethene (PCE)	5.0 U	49.9	50.0	100	51.2	50.0	102	72-125	3	30
Trichloroethene (TCE)	5.0 U	51.9	50.0	104	54.5	50.0	109	74-122	5	30
Trichlorofluoromethane (CFC 11)	5.0 U	61.6	50.0	123	65.8	50.0	132	71-136	7	30
Vinyl Chloride	5.0 U	57.0	50.0	114	59.1	50.0	118	74-159	4	30
m,p-Xylenes	5.0 U	105	100	105	108	100	108	80-126	3	30
o-Xylene	5.0 U	52.0	50.0	104	53.8	50.0	108	79-123	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: 07/10/18
Date Received: 07/11/18
Date Analyzed: 07/12/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OW-1 2018 Q2
Lab Code: R1806154-005
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1807100-06				Duplicate Matrix Spike RQ1807100-07				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Benzene	5.0 U	49.3	50.0	99	50.1	50.0	100	76-129	1	30
Bromodichloromethane	5.0 U	46.6	50.0	93	48.2	50.0	96	78-133	3	30
Bromoform	5.0 U	50.8	50.0	102	51.9	50.0	104	58-133	2	30
Bromomethane	5.0 U	38.6	50.0	77	39.7	50.0	79	10-184	3	30
Carbon Tetrachloride	5.0 U	48.6	50.0	97	50.3	50.0	101	65-135	3	30
Chlorobenzene	5.0 U	47.9	50.0	96	48.8	50.0	98	76-125	2	30
Chloroethane	5.0 U	37.3	50.0	75	37.7	50.0	75	48-146	1	30
2-Chloroethyl Vinyl Ether	5.0 U	34.0	50.0	68	35.1	50.0	70	19-162	3	30
Chloroform	5.0 U	49.4	50.0	99	49.0	50.0	98	75-130	<1	30
Chloromethane	5.0 U	43.2	50.0	86	45.1	50.0	90	55-160	4	30
Dibromochloromethane	5.0 U	48.6	50.0	97	49.8	50.0	100	72-128	2	30
1,2-Dichlorobenzene	5.0 U	46.5	50.0	93	47.4	50.0	95	77-120	2	30
1,3-Dichlorobenzene	5.0 U	48.2	50.0	96	48.4	50.0	97	83-121	<1	30
1,4-Dichlorobenzene	5.0 U	47.2	50.0	94	47.0	50.0	94	82-120	<1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	47.8	50.0	96	49.0	50.0	98	74-132	2	30
1,2-Dichloroethane	5.0 U	47.3	50.0	95	47.8	50.0	96	68-130	1	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	46.2	50.0	92	47.4	50.0	95	71-118	3	30
trans-1,2-Dichloroethene	5.0 U	48.2	50.0	96	49.8	50.0	100	73-118	3	30
cis-1,2-Dichloroethene	17	61.7	50.0	89	62.7	50.0	91	77-127	2	30
1,2-Dichloropropane	5.0 U	48.9	50.0	98	50.6	50.0	101	79-124	4	30
cis-1,3-Dichloropropene	5.0 U	51.0	50.0	102	54.1	50.0	108	52-134	6	30
trans-1,3-Dichloropropene	5.0 U	50.7	50.0	101	52.6	50.0	105	71-133	4	30
Ethylbenzene	5.0 U	50.6	50.0	101	51.1	50.0	102	72-134	<1	30
Methylene Chloride	5.0 U	46.1	50.0	92	44.9	50.0	90	73-122	3	30
1,1,2,2-Tetrachloroethane	5.0 U	49.5	50.0	99	50.3	50.0	101	72-122	2	30
Toluene	5.0 U	50.0	50.0	100	50.7	50.0	101	79-119	1	30
1,1,1-Trichloroethane (TCA)	5.0 U	48.1	50.0	96	48.5	50.0	97	74-127	<1	30
1,1,2-Trichloroethane	5.0 U	49.9	50.0	100	48.1	50.0	96	82-121	4	30
Tetrachloroethene (PCE)	5.0 U	51.0	50.0	102	52.6	50.0	105	72-125	3	30
Trichloroethene (TCE)	5.0 U	50.3	50.0	101	51.0	50.0	102	74-122	1	30
Trichlorofluoromethane (CFC 11)	5.0 U	47.9	50.0	96	47.2	50.0	94	71-136	2	30
Vinyl Chloride	5.0 U	46.2	50.0	92	47.5	50.0	95	74-159	3	30
m,p-Xylenes	5.0 U	101	100	101	101	100	101	80-126	<1	30
o-Xylene	5.0 U	48.9	50.0	98	49.5	50.0	99	79-123	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1806746-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/03/18 10:52	
Bromodichloromethane	5.0 U	5.0	1	07/03/18 10:52	
Bromoform	5.0 U	5.0	1	07/03/18 10:52	
Bromomethane	5.0 U	5.0	1	07/03/18 10:52	
Carbon Tetrachloride	5.0 U	5.0	1	07/03/18 10:52	
Chlorobenzene	5.0 U	5.0	1	07/03/18 10:52	
Chloroethane	5.0 U	5.0	1	07/03/18 10:52	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/03/18 10:52	
Chloroform	5.0 U	5.0	1	07/03/18 10:52	
Chloromethane	5.0 U	5.0	1	07/03/18 10:52	
Dibromochloromethane	5.0 U	5.0	1	07/03/18 10:52	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/03/18 10:52	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/03/18 10:52	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/03/18 10:52	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/03/18 10:52	
1,2-Dichloroethane	5.0 U	5.0	1	07/03/18 10:52	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/03/18 10:52	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 10:52	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/03/18 10:52	
1,2-Dichloropropane	5.0 U	5.0	1	07/03/18 10:52	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 10:52	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/03/18 10:52	
Ethylbenzene	5.0 U	5.0	1	07/03/18 10:52	
Methylene Chloride	5.0 U	5.0	1	07/03/18 10:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/03/18 10:52	
Toluene	5.0 U	5.0	1	07/03/18 10:52	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/03/18 10:52	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/03/18 10:52	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/03/18 10:52	
Trichloroethene (TCE)	5.0 U	5.0	1	07/03/18 10:52	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/03/18 10:52	
Vinyl Chloride	5.0 U	5.0	1	07/03/18 10:52	
m,p-Xylenes	5.0 U	5.0	1	07/03/18 10:52	
o-Xylene	5.0 U	5.0	1	07/03/18 10:52	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/03/18 10:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1806746-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	07/03/18 10:52	
Dibromofluoromethane	100	89 - 119	07/03/18 10:52	
Toluene-d8	103	87 - 121	07/03/18 10:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1806772-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/05/18 12:26	
Bromodichloromethane	5.0 U	5.0	1	07/05/18 12:26	
Bromoform	5.0 U	5.0	1	07/05/18 12:26	
Bromomethane	5.0 U	5.0	1	07/05/18 12:26	
Carbon Tetrachloride	5.0 U	5.0	1	07/05/18 12:26	
Chlorobenzene	5.0 U	5.0	1	07/05/18 12:26	
Chloroethane	5.0 U	5.0	1	07/05/18 12:26	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/05/18 12:26	
Chloroform	5.0 U	5.0	1	07/05/18 12:26	
Chloromethane	5.0 U	5.0	1	07/05/18 12:26	
Dibromochloromethane	5.0 U	5.0	1	07/05/18 12:26	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/05/18 12:26	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/05/18 12:26	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/05/18 12:26	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/05/18 12:26	
1,2-Dichloroethane	5.0 U	5.0	1	07/05/18 12:26	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/05/18 12:26	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 12:26	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/05/18 12:26	
1,2-Dichloropropane	5.0 U	5.0	1	07/05/18 12:26	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 12:26	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/05/18 12:26	
Ethylbenzene	5.0 U	5.0	1	07/05/18 12:26	
Methylene Chloride	5.0 U	5.0	1	07/05/18 12:26	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/05/18 12:26	
Toluene	5.0 U	5.0	1	07/05/18 12:26	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/05/18 12:26	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/05/18 12:26	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/05/18 12:26	
Trichloroethene (TCE)	5.0 U	5.0	1	07/05/18 12:26	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/05/18 12:26	
Vinyl Chloride	5.0 U	5.0	1	07/05/18 12:26	
m,p-Xylenes	5.0 U	5.0	1	07/05/18 12:26	
o-Xylene	5.0 U	5.0	1	07/05/18 12:26	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/05/18 12:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1806772-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	07/05/18 12:26	
Dibromofluoromethane	103	89 - 119	07/05/18 12:26	
Toluene-d8	102	87 - 121	07/05/18 12:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1807100-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	07/12/18 11:59	
Bromodichloromethane	5.0 U	5.0	1	07/12/18 11:59	
Bromoform	5.0 U	5.0	1	07/12/18 11:59	
Bromomethane	5.0 U	5.0	1	07/12/18 11:59	
Carbon Tetrachloride	5.0 U	5.0	1	07/12/18 11:59	
Chlorobenzene	5.0 U	5.0	1	07/12/18 11:59	
Chloroethane	5.0 U	5.0	1	07/12/18 11:59	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	07/12/18 11:59	
Chloroform	5.0 U	5.0	1	07/12/18 11:59	
Chloromethane	5.0 U	5.0	1	07/12/18 11:59	
Dibromochloromethane	5.0 U	5.0	1	07/12/18 11:59	
1,2-Dichlorobenzene	5.0 U	5.0	1	07/12/18 11:59	
1,3-Dichlorobenzene	5.0 U	5.0	1	07/12/18 11:59	
1,4-Dichlorobenzene	5.0 U	5.0	1	07/12/18 11:59	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	07/12/18 11:59	
1,2-Dichloroethane	5.0 U	5.0	1	07/12/18 11:59	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	07/12/18 11:59	
trans-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 11:59	
cis-1,2-Dichloroethene	5.0 U	5.0	1	07/12/18 11:59	
1,2-Dichloropropane	5.0 U	5.0	1	07/12/18 11:59	
cis-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 11:59	
trans-1,3-Dichloropropene	5.0 U	5.0	1	07/12/18 11:59	
Ethylbenzene	5.0 U	5.0	1	07/12/18 11:59	
Methylene Chloride	5.0 U	5.0	1	07/12/18 11:59	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	07/12/18 11:59	
Toluene	5.0 U	5.0	1	07/12/18 11:59	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	07/12/18 11:59	
1,1,2-Trichloroethane	5.0 U	5.0	1	07/12/18 11:59	
Tetrachloroethene (PCE)	5.0 U	5.0	1	07/12/18 11:59	
Trichloroethene (TCE)	5.0 U	5.0	1	07/12/18 11:59	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	07/12/18 11:59	
Vinyl Chloride	5.0 U	5.0	1	07/12/18 11:59	
m,p-Xylenes	5.0 U	5.0	1	07/12/18 11:59	
o-Xylene	5.0 U	5.0	1	07/12/18 11:59	
Total Target Volatiles (TTV)	5.0 U	5.0	1	07/12/18 11:59	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1807100-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	07/12/18 11:59	
Dibromofluoromethane	98	89 - 119	07/12/18 11:59	
Toluene-d8	97	87 - 121	07/12/18 11:59	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/03/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1806746-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	18.4	20.0	92	79-119
Bromodichloromethane	8260C	20.7	20.0	104	81-123
Bromoform	8260C	21.1	20.0	106	65-146
Bromomethane	8260C	14.6	20.0	73	42-166
Carbon Tetrachloride	8260C	23.1	20.0	115	70-127
Chlorobenzene	8260C	20.0	20.0	100	80-121
Chloroethane	8260C	14.1	20.0	71	62-131
2-Chloroethyl Vinyl Ether	8260C	12.6	20.0	63	19-162
Chloroform	8260C	20.0	20.0	100	79-120
Chloromethane	8260C	17.1	20.0	85	65-135
Dibromochloromethane	8260C	22.3	20.0	111	72-128
1,2-Dichlorobenzene	8260C	19.1	20.0	95	80-119
1,3-Dichlorobenzene	8260C	19.2	20.0	96	83-121
1,4-Dichlorobenzene	8260C	18.6	20.0	93	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	20.4	20.0	102	80-124
1,2-Dichloroethane	8260C	20.0	20.0	100	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	18.9	20.0	95	71-118
trans-1,2-Dichloroethene	8260C	19.8	20.0	99	73-118
cis-1,2-Dichloroethene	8260C	19.9	20.0	99	80-121
1,2-Dichloropropane	8260C	19.3	20.0	96	80-119
cis-1,3-Dichloropropene	8260C	20.9	20.0	104	77-122
trans-1,3-Dichloropropene	8260C	23.1	20.0	116	71-133
Ethylbenzene	8260C	20.6	20.0	103	76-120
Methylene Chloride	8260C	18.4	20.0	92	73-122
1,1,2,2-Tetrachloroethane	8260C	19.4	20.0	97	78-126
Toluene	8260C	19.9	20.0	100	79-119
1,1,1-Trichloroethane (TCA)	8260C	22.0	20.0	110	75-125
1,1,2-Trichloroethane	8260C	19.8	20.0	99	82-121
Tetrachloroethene (PCE)	8260C	18.5	20.0	92	72-125
Trichloroethene (TCE)	8260C	20.0	20.0	100	74-122
Trichlorofluoromethane (CFC 11)	8260C	19.6	20.0	98	71-136
Vinyl Chloride	8260C	15.8	20.0	79	74-159
m,p-Xylenes	8260C	40.7	40.0	102	80-126

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/03/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1806746-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	19.7	20.0	99	79-123

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/05/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1806772-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	20.8	20.0	104	79-119
Bromodichloromethane	8260C	22.5	20.0	113	81-123
Bromoform	8260C	20.7	20.0	104	65-146
Bromomethane	8260C	24.8	20.0	124	42-166
Carbon Tetrachloride	8260C	22.7	20.0	114	70-127
Chlorobenzene	8260C	19.5	20.0	97	80-121
Chloroethane	8260C	22.1	20.0	110	62-131
2-Chloroethyl Vinyl Ether	8260C	13.4	20.0	67	19-162
Chloroform	8260C	23.0	20.0	115	79-120
Chloromethane	8260C	21.2	20.0	106	65-135
Dibromochloromethane	8260C	22.1	20.0	110	72-128
1,2-Dichlorobenzene	8260C	20.1	20.0	101	80-119
1,3-Dichlorobenzene	8260C	20.1	20.0	100	83-121
1,4-Dichlorobenzene	8260C	19.1	20.0	96	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	22.1	20.0	110	80-124
1,2-Dichloroethane	8260C	22.9	20.0	114	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	21.6	20.0	108	71-118
trans-1,2-Dichloroethene	8260C	21.3	20.0	107	73-118
cis-1,2-Dichloroethene	8260C	21.5	20.0	107	80-121
1,2-Dichloropropane	8260C	20.6	20.0	103	80-119
cis-1,3-Dichloropropene	8260C	21.7	20.0	109	77-122
trans-1,3-Dichloropropene	8260C	22.0	20.0	110	71-133
Ethylbenzene	8260C	21.0	20.0	105	76-120
Methylene Chloride	8260C	20.7	20.0	104	73-122
1,1,2,2-Tetrachloroethane	8260C	20.2	20.0	101	78-126
Toluene	8260C	21.7	20.0	108	79-119
1,1,1-Trichloroethane (TCA)	8260C	24.1	20.0	121	75-125
1,1,2-Trichloroethane	8260C	21.6	20.0	108	82-121
Tetrachloroethene (PCE)	8260C	19.4	20.0	97	72-125
Trichloroethene (TCE)	8260C	21.2	20.0	106	74-122
Trichlorofluoromethane (CFC 11)	8260C	25.4	20.0	127	71-136
Vinyl Chloride	8260C	23.0	20.0	115	74-159
m,p-Xylenes	8260C	41.6	40.0	104	80-126

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/05/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1806772-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	20.5	20.0	103	79-123

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/12/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1807100-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	19.7	20.0	98	79-119
Bromodichloromethane	8260C	19.0	20.0	95	81-123
Bromoform	8260C	21.8	20.0	109	65-146
Bromomethane	8260C	16.2	20.0	81	42-166
Carbon Tetrachloride	8260C	20.3	20.0	102	70-127
Chlorobenzene	8260C	19.1	20.0	95	80-121
Chloroethane	8260C	14.8	20.0	74	62-131
2-Chloroethyl Vinyl Ether	8260C	15.3	20.0	76	19-162
Chloroform	8260C	19.7	20.0	98	79-120
Chloromethane	8260C	17.4	20.0	87	65-135
Dibromochloromethane	8260C	19.1	20.0	96	72-128
1,2-Dichlorobenzene	8260C	19.3	20.0	97	80-119
1,3-Dichlorobenzene	8260C	19.7	20.0	98	83-121
1,4-Dichlorobenzene	8260C	19.9	20.0	99	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	19.3	20.0	97	80-124
1,2-Dichloroethane	8260C	19.2	20.0	96	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	18.7	20.0	93	71-118
trans-1,2-Dichloroethene	8260C	19.3	20.0	97	73-118
cis-1,2-Dichloroethene	8260C	18.4	20.0	92	80-121
1,2-Dichloropropane	8260C	19.2	20.0	96	80-119
cis-1,3-Dichloropropene	8260C	20.6	20.0	103	77-122
trans-1,3-Dichloropropene	8260C	21.4	20.0	107	71-133
Ethylbenzene	8260C	20.1	20.0	100	76-120
Methylene Chloride	8260C	18.8	20.0	94	73-122
1,1,2,2-Tetrachloroethane	8260C	20.0	20.0	100	78-126
Toluene	8260C	19.9	20.0	99	79-119
1,1,1-Trichloroethane (TCA)	8260C	19.3	20.0	96	75-125
1,1,2-Trichloroethane	8260C	19.9	20.0	100	82-121
Tetrachloroethene (PCE)	8260C	21.0	20.0	105	72-125
Trichloroethene (TCE)	8260C	19.6	20.0	98	74-122
Trichlorofluoromethane (CFC 11)	8260C	18.9	20.0	95	71-136
Vinyl Chloride	8260C	19.1	20.0	96	74-159
m,p-Xylenes	8260C	40.7	40.0	102	80-126

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/12/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1807100-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	19.1	20.0	95	79-123

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/3/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Calibration Date: 5/25/18

Calibration ID: RC1800061

File ID: I:\ACQUDATA\msvoa10\data\070318\D4512.D\

Analysis Lot: 597198

Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	46.4	1.471	1.363	-7.3	NA	± 20 %	Average RF
Bromodichloromethane	50.0	53.8	0.3942	0.4241	7.6	NA	± 20 %	Average RF
Bromoform	50.0	54.4	NA	NA	NA	8.9	± 20 %	Quadratic
Bromomethane	50.0	41.4	NA	NA	NA	-17.1	± 20 %	Quadratic
Carbon Tetrachloride	50.0	57.4	NA	NA	NA	14.8	± 20 %	Quadratic
Chlorobenzene	50.0	52.2	1.090	1.138	4.4	NA	± 20 %	Average RF
Chloroethane	50.0	47.9	NA	NA	NA	-4.2	± 20 %	Linear
2-Chloroethyl Vinyl Ether	50.0	37.0	0.2259	0.1672	-26.0 *	NA	± 20 %	Average RF
Chloroform	50.0	52.5	0.9281	0.9739	4.9	NA	± 20 %	Average RF
Chloromethane	50.0	48.0	0.9309	0.8936	-4.0	NA	± 20 %	Average RF
Dibromochloromethane	50.0	58.6	NA	NA	NA	17.1	± 20 %	Quadratic
1,2-Dichlorobenzene	50.0	49.0	1.617	1.585	-2.0	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	49.4	1.657	1.636	-1.2	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	48.2	1.725	1.661	-3.7	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.7	1.005	1.060	5.5	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	52.2	0.5300	0.5530	4.3	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.1	0.5156	0.5060	-1.9	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	51.7	0.5418	0.5606	3.5	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	53.5	0.5932	0.6344	7.0	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	50.2	0.3754	0.3772	0.5	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	53.7	NA	NA	NA	7.4	± 20 %	Quadratic
trans-1,3-Dichloropropene	50.0	57.3	NA	NA	NA	14.7	± 20 %	Quadratic
Ethylbenzene	50.0	53.7	0.5715	0.6140	7.4	NA	± 20 %	Average RF
Methylene Chloride	50.0	48.2	0.5813	0.5607	-3.5	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	49.4	1.004	0.9912	-1.3	NA	± 20 %	Average RF
Toluene	50.0	51.3	1.519	1.558	2.6	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	58.3	0.6775	0.7895	16.5	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	50.9	0.3255	0.3315	1.8	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	49.2	0.3225	0.3170	-1.7	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	49.5	0.3612	0.3574	-1.1	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	48.2	0.8955	0.8632	-3.6	NA	± 20 %	Average RF
Vinyl Chloride	50.0	44.8	0.8898	0.7975	-10.4	NA	± 20 %	Average RF
m,p-Xylenes	100	109	0.7153	0.7787	8.9	NA	± 20 %	Average RF
o-Xylene	50.0	52.5	0.7171	0.7522	4.9	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	55.8	0.5057	0.5643	11.6	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	53.1	0.3186	0.3386	6.3	NA	± 20 %	Average RF
Toluene-d8	50.0	53.7	1.274	1.369	7.4	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/ 5/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Calibration Date: 5/31/18
Calibration ID: RC1800063
Analysis Lot: 597414
Units: ppb

File ID: I:\ACQUDATA\msvoa12\Data\070518\P18975.D\

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	48.4	1.488	1.440	-3.2	NA	± 20 %	Average RF
Bromodichloromethane	50.0	52.9	0.4306	0.4553	5.7	NA	± 20 %	Average RF
Bromoform	50.0	50.0	0.4598	0.4600	0.0	NA	± 20 %	Average RF
Bromomethane	50.0	81.9	NA	NA	NA	63.7 *	± 20 %	Quadratic
Carbon Tetrachloride	50.0	55.7	0.3897	0.4343	11.5	NA	± 20 %	Average RF
Chlorobenzene	50.0	47.1	1.170	1.102	-5.9	NA	± 20 %	Average RF
Chloroethane	50.0	61.1	0.4506	0.5508	22.3 *	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	31.2	0.3004	0.1876	-37.5 *	NA	± 20 %	Average RF
Chloroform	50.0	54.4	NA	NA	NA	8.9	± 20 %	Quadratic
Chloromethane	50.0	52.5	0.7197	0.7555	5.0	NA	± 20 %	Average RF
Dibromochloromethane	50.0	54.4	0.3532	0.3844	8.8	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	47.3	1.749	1.653	-5.5	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	47.3	1.764	1.667	-5.5	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	46.7	1.829	1.707	-6.7	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.2	1.008	1.052	4.3	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	52.9	0.4988	0.5275	5.7	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	52.0	0.5039	0.5240	4.0	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	50.8	0.5569	0.5663	1.7	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	50.8	0.6329	0.6432	1.6	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	49.1	0.3854	0.3782	-1.9	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	50.8	0.6021	0.6117	1.6	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	53.0	0.5514	0.5847	6.0	NA	± 20 %	Average RF
Ethylbenzene	50.0	48.9	0.6215	0.6078	-2.2	NA	± 20 %	Average RF
Methylene Chloride	50.0	47.5	0.6143	0.5831	-5.1	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	46.6	1.152	1.073	-6.9	NA	± 20 %	Average RF
Toluene	50.0	50.7	1.579	1.600	1.4	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	58.7	0.7611	0.8934	17.4	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	51.0	0.3509	0.3578	2.0	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	46.8	0.3426	0.3208	-6.4	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	48.8	0.3876	0.3779	-2.5	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	58.5	0.7083	0.8282	16.9	NA	± 20 %	Average RF
Vinyl Chloride	50.0	56.1	0.7494	0.8409	12.2	NA	± 20 %	Average RF
m,p-Xylenes	100	99.4	0.7602	0.7558	-0.6	NA	± 20 %	Average RF
o-Xylene	50.0	49.8	0.7693	0.7660	-0.4	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	51.5	0.4878	0.5021	2.9	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	53.2	0.2819	0.3000	6.4	NA	± 20 %	Average RF
Toluene-d8	50.0	51.3	1.299	1.332	2.6	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/12/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Calibration Date: 7/6/18

Calibration ID: RC1800075

File ID: I:\ACQUDATA\msvoa10\data\071218\D4707.D\

Analysis Lot: 598287

Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	48.7	1.392	1.354	-2.7	NA	± 20 %	Average RF
Bromodichloromethane	50.0	50.1	0.4541	0.4549	0.2	NA	± 20 %	Average RF
Bromoform	50.0	52.7	NA	NA	NA	5.3	± 20 %	Quadratic
Bromomethane	50.0	49.6	NA	NA	NA	-0.7	± 20 %	Quadratic
Carbon Tetrachloride	50.0	53.2	0.3920	0.4172	6.4	NA	± 20 %	Average RF
Chlorobenzene	50.0	49.6	1.076	1.068	-0.8	NA	± 20 %	Average RF
Chloroethane	50.0	46.4	0.4140	0.3838	-7.3	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	44.4	0.1448	0.1286	-11.2	NA	± 20 %	Average RF
Chloroform	50.0	48.3	0.8826	0.8518	-3.5	NA	± 20 %	Average RF
Chloromethane	50.0	45.1	0.7238	0.6525	-9.9	NA	± 20 %	Average RF
Dibromochloromethane	50.0	51.6	0.3753	0.3876	3.3	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	47.5	1.579	1.501	-5.0	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	49.1	1.567	1.540	-1.7	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	48.2	1.634	1.575	-3.6	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.4	0.9351	0.8856	-5.3	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	48.2	0.5911	0.5696	-3.6	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	46.4	0.4616	0.4286	-7.1	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	50.2	0.4724	0.4746	0.5	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	47.4	0.5421	0.5140	-5.2	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	48.8	0.3647	0.3561	-2.4	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	54.6	0.4827	0.5272	9.2	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	54.3	NA	NA	NA	8.5	± 20 %	Quadratic
Ethylbenzene	50.0	50.8	0.5642	0.5729	1.5	NA	± 20 %	Average RF
Methylene Chloride	50.0	45.9	0.5189	0.4759	-8.3	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	48.9	0.8842	0.8653	-2.1	NA	± 20 %	Average RF
Toluene	50.0	49.5	1.477	1.461	-1.0	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	48.2	0.7364	0.7105	-3.5	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	50.3	0.3265	0.3285	0.6	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	51.9	0.3310	0.3432	3.7	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	49.2	0.3630	0.3573	-1.6	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	45.6	0.8274	0.7549	-8.8	NA	± 20 %	Average RF
Vinyl Chloride	50.0	46.4	0.6487	0.6024	-7.1	NA	± 20 %	Average RF
m,p-Xylenes	100	102	0.7007	0.7114	1.5	NA	± 20 %	Average RF
o-Xylene	50.0	49.4	0.7028	0.6942	-1.2	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	51.2	0.5430	0.5558	2.4	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	50.0	0.3450	0.3449	0.0	NA	± 20 %	Average RF
Toluene-d8	50.0	50.0	1.329	1.329	-0.1	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/3/18 09:05

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

File ID: I:\ACQUDATA\msvoa10\data\070318\D4512.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1806746-02
Analysis Lot: 597198
Signal ID: 1

	Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	332,957	9.80	373,305	6.49	194,790	11.85
Upper Limit ==>	665,914	10.30	746,610	6.99	389,580	12.35
Lower Limit ==>	166,479	9.30	186,653	5.99	97,395	11.35
ICAL Result ==>	298,105	9.80	335,514	6.49	166,859	11.85

Associated Analyses

Lab Control Sample	RQ1806746-03	334,482	9.80	374,849	6.49	183,021	11.85
Method Blank	RQ1806746-05	321,609	9.80	365,759	6.49	164,664	11.85
EQUIPMENT BLANK-01 2018 Q2	R1806154-010	317,412	9.80	364,073	6.49	159,830	11.85
TRIP BLANK-01 2018 Q2	R1806154-011	316,901	9.80	366,157	6.49	157,014	11.85
W-2 2018 Q2	R1806154-001	311,039	9.80	356,113	6.49	154,434	11.85
U-6D 2018 Q2	R1806154-002	308,373	9.80	349,801	6.49	156,166	11.85
RI-6 2018 Q2	R1806154-008	312,115	9.80	355,965	6.49	156,730	11.85
OS-7R 2018 Q2	R1806154-017	311,609	9.80	356,333	6.49	154,700	11.85
OS-7D 2018 Q2	R1806154-018	301,398	9.80	342,592	6.49	153,458	11.85
MW-12 2018 Q2	R1806154-003	308,354	9.80	349,693	6.49	154,624	11.85
DUP-01 2018 Q2	R1806154-009	315,732	9.80	357,294	6.49	157,564	11.85
PW-2 2018 Q2	R1806154-007	292,371	9.80	334,430	6.49	145,339	11.85
OS-9 2018 Q2	R1806154-019	305,250	9.80	351,438	6.49	154,105	11.85
OS-9R 2018 Q2	R1806154-020	316,107	9.80	359,112	6.49	153,575	11.85
OS-12R 2018 Q2	R1806154-023	294,429	9.80	332,674	6.49	151,934	11.85
OS-15R 2018 Q2	R1806154-024	305,066	9.80	343,991	6.49	149,540	11.85
OS-15D 2018 Q2	R1806154-025	310,509	9.80	356,065	6.49	152,156	11.85
MW-12 2018 Q2	R1806154-003	302,915	9.80	345,952	6.49	151,817	11.85
MW-12 2018 Q2MS	RQ1806746-06	329,686	9.80	361,927	6.49	189,446	11.85
MW-12 2018 Q2DMS	RQ1806746-07	354,644	9.80	395,712	6.49	196,638	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/3/18 09:05

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\070318\D4512.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1806746-02
Analysis Lot: 597198
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		228,988	5.38
Upper Limit ==>		457,976	5.88
Lower Limit ==>		114,494	4.88
ICAL Result ==>		222,000	5.38

Associated Analyses

Lab Control Sample	RQ1806746-03	236,795	5.39
Method Blank	RQ1806746-05	228,362	5.38
EQUIPMENT BLANK-01 2018 Q2	R1806154-010	222,997	5.39
TRIP BLANK-01 2018 Q2	R1806154-011	221,733	5.38
W-2 2018 Q2	R1806154-001	220,030	5.39
U-6D 2018 Q2	R1806154-002	215,672	5.39
RI-6 2018 Q2	R1806154-008	219,174	5.39
OS-7R 2018 Q2	R1806154-017	222,346	5.38
OS-7D 2018 Q2	R1806154-018	212,197	5.39
MW-12 2018 Q2	R1806154-003	219,472	5.38
DUP-01 2018 Q2	R1806154-009	223,470	5.38
PW-2 2018 Q2	R1806154-007	203,634	5.39
OS-9 2018 Q2	R1806154-019	214,260	5.38
OS-9R 2018 Q2	R1806154-020	217,824	5.38
OS-12R 2018 Q2	R1806154-023	203,016	5.39
OS-15R 2018 Q2	R1806154-024	209,905	5.39
OS-15D 2018 Q2	R1806154-025	216,674	5.39
MW-12 2018 Q2	R1806154-003	213,850	5.38
MW-12 2018 Q2MS	RQ1806746-06	225,014	5.39
MW-12 2018 Q2DMS	RQ1806746-07	243,640	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/5/18 10:29

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\070518\P18975.D\
Instrument ID: R-MS-12
Analytical Method: 8260C

Lab Code: RQ1806772-02
Analysis Lot: 597414
Signal ID: 1

		Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		435,699	9.79	480,160	6.49	245,659	11.84
Upper Limit ==>		871,398	10.29	960,320	6.99	491,318	12.34
Lower Limit ==>		217,850	9.29	240,080	5.99	122,830	11.34
ICAL Result ==>		402,423	9.79	448,716	6.49	214,553	11.84
Associated Analyses							
Lab Control Sample	RQ1806772-04	396,602	9.79	441,787	6.49	213,636	11.84
Method Blank	RQ1806772-05	362,240	9.79	416,751	6.49	179,436	11.85
TRIP BLANK-02 2018 Q2	R1806154-028	387,347	9.79	446,586	6.49	194,334	11.84
OS-2R 2018 Q2	R1806154-012	368,091	9.79	419,388	6.49	189,057	11.84
OS-5R 2018 Q2	R1806154-013	359,229	9.79	420,239	6.49	187,279	11.84
OS-5D 2018 Q2	R1806154-014	350,366	9.79	404,036	6.50	180,119	11.85
OS-6 2018 Q2	R1806154-015	361,594	9.79	411,682	6.49	183,057	11.84
OS-6R 2018 Q2	R1806154-016	348,142	9.79	395,871	6.49	173,107	11.84
OS-11R 2018 Q2	R1806154-021	353,457	9.79	404,458	6.49	175,831	11.84
OS-11D 2018 Q2	R1806154-022	350,936	9.79	403,340	6.49	174,069	11.84
DUP-02 2018 Q2	R1806154-026	348,383	9.79	398,372	6.49	172,051	11.85
OS-5R 2018 Q2MS	RQ1806772-06	394,903	9.79	440,835	6.49	222,580	11.84
OS-5R 2018 Q2DMS	RQ1806772-07	388,360	9.79	433,907	6.49	211,795	11.84

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/5/18 10:29

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa12\Data\070518\P18975.D\
Instrument ID: R-MS-12
Analytical Method: 8260C

Lab Code: RQ1806772-02
Analysis Lot: 597414
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		291,714	5.40
Upper Limit ==>		583,428	5.90
Lower Limit ==>		145,857	4.90
ICAL Result ==>		286,570	5.41
Associated Analyses			
Lab Control Sample	RQ1806772-04	277,476	5.40
Method Blank	RQ1806772-05	254,213	5.41
TRIP BLANK-02 2018 Q2	R1806154-028	270,457	5.41
OS-2R 2018 Q2	R1806154-012	251,654	5.40
OS-5R 2018 Q2	R1806154-013	250,605	5.40
OS-5D 2018 Q2	R1806154-014	246,876	5.41
OS-6 2018 Q2	R1806154-015	247,252	5.41
OS-6R 2018 Q2	R1806154-016	245,341	5.41
OS-11R 2018 Q2	R1806154-021	246,924	5.41
OS-11D 2018 Q2	R1806154-022	241,281	5.41
DUP-02 2018 Q2	R1806154-026	241,077	5.41
OS-5R 2018 Q2MS	RQ1806772-06	274,980	5.41
OS-5R 2018 Q2DMS	RQ1806772-07	272,544	5.41

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/12/18 09:37

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\071218\D4707.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1807100-02
Analysis Lot: 598287
Signal ID: 1

		Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		320,346	9.80	352,814	6.49	202,318	11.85
Upper Limit ==>		640,692	10.30	705,628	6.99	404,636	12.35
Lower Limit ==>		160,173	9.30	176,407	5.99	101,159	11.35
ICAL Result ==>		305,901	9.80	336,088	6.49	193,588	11.85
Associated Analyses							
Lab Control Sample	RQ1807100-04	325,227	9.80	365,726	6.49	188,949	11.85
Method Blank	RQ1807100-05	328,853	9.80	376,637	6.49	188,422	11.85
TRIP BLANK-03 2018 Q2	R1806154-029	299,684	9.80	332,801	6.49	170,194	11.85
OW-1 2018 Q2	R1806154-005	299,869	9.80	338,225	6.49	166,802	11.85
OW-2 2018 Q2	R1806154-006	310,586	9.80	350,873	6.49	170,562	11.85
DUP-01	R1806154-030	293,554	9.80	333,705	6.49	164,149	11.85
OW-1 2018 Q2MS	RQ1807100-06	326,562	9.80	363,007	6.49	199,155	11.85
OW-1 2018 Q2DMS	RQ1807100-07	329,588	9.80	362,373	6.49	201,232	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018

Service Request: R1806154
Date Analyzed: 7/12/18 09:37

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\071218\D4707.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1807100-02
Analysis Lot: 598287
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		256,412	5.39
Upper Limit ==>		512,824	5.89
Lower Limit ==>		128,206	4.89
ICAL Result ==>		231,918	5.39
Associated Analyses			
Lab Control Sample	RQ1807100-04	263,221	5.38
Method Blank	RQ1807100-05	269,718	5.38
TRIP BLANK-03 2018 Q2	R1806154-029	241,942	5.39
OW-1 2018 Q2	R1806154-005	247,504	5.39
OW-2 2018 Q2	R1806154-006	247,866	5.39
DUP-01	R1806154-030	238,944	5.39
OW-1 2018 Q2MS	RQ1807100-06	261,423	5.39
OW-1 2018 Q2DMS	RQ1807100-07	265,680	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA

Service Request: R1806154

Project: Blauvelt Wells 2nd Quarter 2018

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C

Extraction Method: EPA 3510C

Sample Name	Lab Code	o-Terphenyl
		50-150
PW-2 2018 Q2	R1806154-007	50
DUP-01 2018 Q2	R1806154-009	60
Method Blank	RQ1806734-01	74
Lab Control Sample	RQ1806734-02	70
Duplicate Lab Control Sample	RQ1806734-03	51

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: RQ1806734-01

Service Request: R1806154
Date Collected: NA
Date Received: NA

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	07/10/18 15:52	7/5/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	74	50 - 150	07/10/18 15:52	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells 2nd Quarter 2018
Sample Matrix: Water

Service Request: R1806154
Date Analyzed: 07/10/18

Duplicate Lab Control Sample Summary
Hydrocarbon Scan by GC-FID

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1806734-02

Duplicate Lab Control Sample

RQ1806734-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Mineral Spirits	8015C	137	499	27 *	81.0 J	499	16 *	50-150	51*	30



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

THIRD QUARTER

LABORATORY ANALYTICAL REPORT



October 05, 2018

Service Request No: R1809394

Mr. Elliott Duffney
Xerox Corporation USA
800 Phillips Road
Bldg #205-99F
Webster, NY 14580

Laboratory Results for: Blauvelt Wells

Dear Mr. Duffney,

Enclosed are the results of the sample(s) submitted to our laboratory September 28, 2018
For your reference, these analyses have been assigned our service request number **R1809394**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jim Marschner

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE 1 585 288 5380 FAX 1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Xerox Corporation USA
Project: Blauvelt Wells
Sample Matrix: Water

Service Request: R1809394
Date Received: 09/28/2018 - 09/29/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Twenty eight water samples were received for analysis at ALS Environmental on 09/28/2018 - 09/29/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Semivolatile GC:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 10/02/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 10/01/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

A handwritten signature in black ink, appearing to read "J. Amato".

Approved by _____

Date 10/05/2018

ALS Group USA, Corp. dba ALS Environmental

Total Target Volatiles Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Analytical Method: 8260C

Service Request: R1809394
Date Reported: 10/19/18
Units: µg/L

Client Sample ID	Total Target Volatiles
W-2 2018 Q3	ND
U-6D 2018 Q3	ND
OW-1 2018 Q3	8.0
OW-2 2018 Q3	24.3
PW-2 2018 Q3	225.7
RI-6 2018 Q3	ND
DUP-01 2018 Q3	242.3
EQUIPMENT BLANK-01 2018 Q3	ND
TRIP BLANK-01 2018 Q3	ND
OS-2R 2018 Q3	ND
OS-5R 2018 Q3	ND
OS-5D 2018 Q3	ND
OS-6 2018 Q3	ND
OS-6R 2018 Q3	63.6
OS-7R 2018 Q3	ND
OS-7D 2018 Q3	ND
OS-9 2018 Q3	ND
OS-9R 2018 Q3	ND
OS-11R 2018 Q3	13.4
OS-11D 2018 Q3	ND
OS-12R 2018 Q3	ND
OS-15R 2018 Q3	ND
OS-15D 2018 Q3	ND
DUP-02 2018 Q3	ND
TRIP BLANK-02 2018 Q3	ND

SAMPLE DETECTION SUMMARY

CLIENT ID: OW-1 2018 Q3				Lab ID: R1809394-005		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	8.0		0.26	5.0	ug/L	8260C
Total Target Volatiles (TTV)	8.0			5.0	ug/L	8260C

CLIENT ID: OW-2 2018 Q3				Lab ID: R1809394-006		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	19		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	5.3		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	24.3			5.0	ug/L	8260C

CLIENT ID: PW-2 2018 Q3				Lab ID: R1809394-007		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	200	D	0.52	10	ug/L	8260C
Tetrachloroethene (PCE)	18		0.28	5.0	ug/L	8260C
Vinyl Chloride	7.7		0.22	5.0	ug/L	8260C
Total Target Volatiles (TTV)	225.7			5.0	ug/L	8260C

CLIENT ID: DUP-01 2018 Q3				Lab ID: R1809394-009		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	210	D	0.52	10	ug/L	8260C
Tetrachloroethene (PCE)	18		0.28	5.0	ug/L	8260C
Trichloroethene (TCE)	5.2		0.20	5.0	ug/L	8260C
Vinyl Chloride	9.1		0.22	5.0	ug/L	8260C
Total Target Volatiles (TTV)	242.3			5.0	ug/L	8260C

CLIENT ID: OS-6R 2018 Q3				Lab ID: R1809394-016		
Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethene (1,1-DCE)	5.6		0.28	5.0	ug/L	8260C
cis-1,2-Dichloroethene	21		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	20		0.28	5.0	ug/L	8260C
Trichloroethene (TCE)	17		0.20	5.0	ug/L	8260C
Total Target Volatiles (TTV)	63.6			5.0	ug/L	8260C

CLIENT ID: OS-11R 2018 Q3				Lab ID: R1809394-021		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	6.4		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	7.0		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	13.4			5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request:R1809394

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1809394-001	W-2 2018 3	9/27/2018	0735
R1809394-002	U-6D 2018 3	9/27/2018	0910
R1809394-003	MW-12 2018 3	9/27/2018	
R1809394-004	MW-13 2018 3	9/27/2018	
R1809394-005	OW-1 2018 3	9/27/2018	0825
R1809394-006	OW-2 2018 3	9/27/2018	0710
R1809394-007	PW-2 2018 3	9/27/2018	0800
R1809394-008	RI-6 2018 3	9/27/2018	0845
R1809394-009	DUP-01 2018 3	9/27/2018	0805
R1809394-010	E UIPMENT BLANK-01 2018 3	9/27/2018	0725
R1809394-011	TRIP BLANK-01 2018 3	9/27/2018	1245
R1809394-012	OS-2R 2018 3	9/28/2018	1040
R1809394-013	OS-5R 2018 3	9/28/2018	1000
R1809394-014	OS-5D 2018 3	9/28/2018	0955
R1809394-015	OS-6 2018 3	9/27/2018	0940
R1809394-016	OS-6R 2018 3	9/27/2018	1005
R1809394-017	OS-7R 2018 3	9/28/2018	0720
R1809394-018	OS-7D 2018 3	9/28/2018	0705
R1809394-019	OS-9 2018 3	9/27/2018	1215
R1809394-020	OS-9R 2018 3	9/27/2018	1235
R1809394-021	OS-11R 2018 3	9/27/2018	1040
R1809394-022	OS-11D 2018 3	9/27/2018	1140
R1809394-023	OS-12R 2018 3	9/28/2018	0800
R1809394-024	OS-15R 2018 3	9/28/2018	0855
R1809394-025	OS-15D 2018 3	9/28/2018	0830
R1809394-026	DUP-02 2018 3	9/28/2018	1005
R1809394-027	E UIPMENT BLANK-02 2018 3	9/27/2018	
R1809394-028	TRIP BLANK-02 2018 3	9/28/2018	1035

1565 Jefferson Rd., Bldg. 300, Suite 360, Rochester, NY 14623 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax) PAGE 1 OF 2

Project Name Blauvelt		Project Number 461-00-20		ANALYSIS REQUESTED (Include Method Number and Container Preservative)															
Project Manager Marc Colantuono		Report CC		PRESERVATIVE															
Company/Address Ground Water Investigations 18 Bridge Street Montgomery, NY 12549		E-mail MColantuono@HWC.RA.com		NUMBER OF CONTAINERS GC/MS VOA's ☒ 8260 ☒ 624 ☒ CLP GC/MS SVOA's ☒ 8021 ☒ 601/602 PESTICIDES ☒ 8081 ☒ 608 PCB's ☒ 8082 ☒ 608 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn, Acetate 6. MeOH 7. NaHSO₄ 8. Other _____															
Phone 845-457-9955		Sampler's Signature Marc Colantuono																	
Sampler's Printed Name Marc Colantuono		Sampler's Printed Name Marc Colantuono																	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME MATRIX																	
OW-2	-006	9/27/18 7:10 GW																	
W-2	-001	9/27/18 7:35 GW																	
EB-01	-010	9/27/18 7:25 DE																	
PW-2	-007	9/27/18 8:00 GW																	
DUP-01	-009	9/27/18 8:05 GW																	
OW-1	-005	9/27/18 8:25 GW																	
RI-6	-008	9/27/18 8:45 GW																	
UG-D	-002	9/27/18 9:10 GW																	
OS-6	-015	9/27/18 9:40 GW																	
OS-6R	-016	9/27/18 10:05 GW																	
SPECIAL INSTRUCTIONS/COMMENTS Metals MW-12 - Dry MW 13 - Dry				TURNAROUND REQUIREMENTS				REPORT REQUIREMENTS				INVOICE INFORMATION							
				☐ RUSH (SURCHARGES APPLY) ☐ 1 day ☐ 2 day ☐ 3 day ☐ 4 day ☐ 5 day ☒ Standard REQUESTED REPORT DATE _____				☒ I. Results Only ☐ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ☐ III. Results + QC and Calibration Summaries ☐ IV. Data Validation Report with Raw Data Edata ☐ Yes ☐ No				PO #: BILL TO:							
STATE WHERE SAMPLES WERE COLLECTED: New York				RELINQUISHED BY				RECEIVED BY				RELINQUISHED BY				RECEIVED BY			
Signature Marc Colantuono				Signature Greg Letz				Signature				Signature				Signature			
Printed Name Marc Colantuono				Printed Name Greg Letz				Printed Name				Printed Name				Printed Name			
Firm GWI				Firm ALS				Firm				Firm				Firm			
Date/Time 9/27/18 2:30				Date/Time 9/28/18 0900				Date/Time				Date/Time				Date/Time			





CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

53300

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

PAGE 2 OF 2

Project Name Blauvelt		Project Number 461-00-00		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																									
Project Manager M. Colantuono		Report CC		PRESERVATIVE 0																									
Company/Address Ground Water Investigations 18 Bridge Street Montgomery NY 12549				NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 824 • CLP GC/MS SYOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____																							
Phone 845-457-9955		Email Mcolantuono@HVC.RR.com				REMARKS/ ALTERNATE DESCRIPTION																							
Signature [Signature]		Sampler's Printed Name M. Colantuono																											
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX																								
OS-11R	-021	9/27/18	10:40	GW	3	3																							
OS-11D	-022	9/27/18	11:40	GW	3	3																							
OS-9	-019	9/27/18	12:15	GW	2	3																							
OS-9R	-020	9/27/18	12:35	GW	3	3																							
TB-01	-020	9/27/18	12:45	DI	3	3																							
SPECIAL INSTRUCTIONS/COMMENTS Metals																		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day ☒ Standard (10 business days-No Surcharge) REQUESTED REPORT DATE _____				REPORT REQUIREMENTS ☒ I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION PO # BILL TO:			
See QAPP ☐																													
STATE WHERE SAMPLES WERE COLLECTED New York																													
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY											
Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]											
Printed Name M. Colantuono		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]		Printed Name G. [Signature]											
Firm GWI		Firm AW		Firm AW		Firm AW		Firm AW		Firm AW		Firm AW		Firm AW		Firm AW		Firm AW											
Date/Time 9/27/18 2:50		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900		Date/Time 9/27/18 0900											

R1809394

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Xerox Corporation USA
Blauvelt Wells



Cooler Receipt and Preservation Check Form

R1809394

5

Xerox Corporation USA
Blauvelt WellsProject/Client GWF Folder Number _____Cooler received on 9/28/18 by: @COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u> N
2	Custody papers properly completed (ink, signed)?	<u>Y</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>Y</u> N NA
6	Where did the bottles originate?	<u>ALS/ROO</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 9/28/18 Time: 0925 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>7.0</u>	<u>3.3</u>	<u>2.4</u>				
Correction Factor (°C)	<u>+0.4</u>	<u>+0.4</u>	<u>0.4</u>				
Corrected Temp (°C)	<u>7.4</u>	<u>3.7</u>	<u>2.8</u>				
Temp from: Type of bottle	<u>cool tube</u>						
Within 0-6°C?	<u>Y</u> <u>N</u>	<u>Y</u> N	<u>Y</u> N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Rozz by @ on 9/28/18 at 0935
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 9/28/18 Time: 1459 by: @

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
 10. Did all bottle labels and tags agree with custody papers? YES NO
 11. Were correct containers used for the tests indicated? YES NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-039-001 072318-182

Explain all Discrepancies/ Other Comments:

headspace: 46-0 (1 vial)out of temp cooler: VOC/SVOABroken: PW-2 (1 vial)

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: @PC Secondary Review: MM 10/1/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

53301

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name Blauvelt		Project Number 461-00-00		ANALYSIS REQUESTED (Include Method Number and Container Preservative)													
Project Manager Mark Colantuono		Report CC		PRESERVATIVE ☒													
Company/Address Ground Water Investigations 18 Bridge Street Montgomery NY 12549		Email mcolantuono@GWI.COM		NUMBER OF CONTAINERS GCMS VOCs • 8260 • 8271 • CLP GCMS SVOCs • 8270 • 825 GC VOCs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)													
Phone # 845-457-9955		Sampler's Signature Mark Colantuono															
Sampler's Printed Name Mark Colantuono		Sampler's Printed Name Mark Colantuono		REMARKS/ ALTERNATE DESCRIPTION Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____													
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME MATRIX															
OS-7D	-018	9/28/18	7:05	GW	3	W											
OS-7R	-017	9/28/18	7:20	GW	3	W											
OS-12R	-023	9/28/18	8:00	GW	3	W											
OS-15D	-025	9/28/18	8:30	GW	3	W											
OS-15R	-024	9/28/18	8:55	GW	3	W											
OS-5D	-014	9/28/18	9:35	GW	6	6											
OS-5R	-013	9/28/18	10:00	GW	3	W											
DUP-22	-026	9/28/18	10:05	GW	3	W											
TB#02	-028	9/28/18	10:35	BA	3	W											
OS-2R	-012	9/28/18	10:40	GW	3	W											
SPECIAL INSTRUCTIONS/COMMENTS Metals				TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ☒ Standard (10 business days-No Surcharge) REQUESTED REPORT DATE <u>Standard</u>				REPORT REQUIREMENTS ☒ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No				INVOICE INFORMATION PO # BILL TO:					
STATE WHERE SAMPLES WERE COLLECTED NEW YORK																	
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY			
Signature Mark Colantuono		Signature Gregory B. Esmerian		Signature		Signature		Signature		Signature		Signature		Signature			
Printed Name Mark Colantuono		Printed Name Gregory B. Esmerian		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name			
Firm GWI		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm			
Date/Time 9/28/18 2:00		Date/Time 9/28/18 08:40		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time			





Cooler Receipt and Preservation Check Form

R1809394

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Xerox Corporation USA
Blauvelt WellsProject/Client GWI Folder Number _____Cooler received on 9-29-18 by: MECOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>Y</u>	N
2	Custody papers properly completed (ink, signed)?	<u>Y</u>	N
3	Did all bottles arrive in good condition (unbroken)?	<u>Y</u>	N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>Y</u>	N

5a	Perchlorate samples have required headspace?	Y	N	<u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>Y</u>	N	NA
6	Where did the bottles originate?	<u>ALS/ROC</u>	CLIENT	
7	Soil VOA received as:	Bulk	Encore	5035set <u>NA</u>

8. Temperature Readings Date: 9-29-18 Time: 09:05 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>5.4</u>							
Correction Factor (°C)	<u>+0.4</u>							
Corrected Temp (°C)	<u>5.8</u>							
Temp from: Type of bottle	<u>cent tube</u>							
Within 0-6°C?	<u>Y</u> N	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by ME on 9-29-18 at 09:08
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 10/1/18 Time: 1202 by: ME

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO time
 10. Did all bottle labels and tags agree with custody papers? YES NO
 11. Were correct containers used for the tests indicated? YES NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: R-039-001
 Explain all Discrepancies/ Other Comments:

* Trip Blank: All 3 vials

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: ME
 PC Secondary Review: ME 10/3/18

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

Sample ID	OW-1	Sample date/time	9/27/18 - 8:25
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	19.03	from ☒ inner casing	from ☐ protective casing
Bottom depth	35.30	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	2.60	
		(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4.0 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	8	Well volumes	3.07
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~30		
sample containers	3- 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.31
temp (C)	14.7
cond (us/cm)	766
eH	-21.4
Turbidity	120.00
Comments/remarks	Turbid, no odor, no sheen

Sample ID	OW-2	Sample date/time	9/27/18 - 7:10
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"	☐ PVC	☒ steel	☐ other	
Static water level	17.00	from ☐ inner casing	from ☒ protective casing		
Bottom depth	32.87	from ☐ inner casing	from ☒ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		2.54	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☒ poly bailer	☐ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate		Elapsed time			
Bail volume	4 bails / gal.	Number of bails			
Volume purged (gal.)	7.75	Well volumes	3.05		
Time purge complete		Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~30			
sample containers		3- 40 ML VOA Vials , 2-250 ml. plas. 2-250 ml ambers			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.29
temp (C)	13.8
cond (us/cm)	609
eH	-31.2
Turbidity	10.8
Comments/remarks	Clear, no odor, no sheen EB-01 collected. Also PFA's and 1,4-dioxane analysis

Sample ID	PW-2 / DUP-01	Sample date/time	9/27/18 - 8:00
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite ☒ groundwater ☐ leachate ☐ other	☐ grab ☐ surface water ☐ industrial	☐ soil ☐ storm sewer	☐ sediment ☐ gas

MONITORING WELL DATA				
Casing diameter	3"		☐ PVC ☒ steel ☐ other	
Static water level	18.75	from ☐ inner casing	from ☒ protective casing	
Bottom depth	20.19	from ☐ inner casing	from ☒ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.37	water volume in well		0.53
Well condition	Good	(in gallons)		

MONITORING WELL PURGE DATA				
☐ submersible pump ☒ poly bailer	☐ peristaltic pump ☐ teflon bailer ☐ yes	☐ suction pump ☐ other ☒ no	☐ PVC bailer	
dedicated purge equipment ?				
Pumping rate		Elapsed time		
Bail volume	4 bails / gal.	Number of bails		
Volume purged (gal.)	2	Well volumes	3.75	
Time purge complete		Well evacuated ?	☒ yes	☐ no

SAMPLING DATA				
☐ pump ☐ stainless bucket ☐ hand corer ☐ other	☐ PVC bailer ☐ poly cup ☐ hand auger	☒ poly bailer ☐ tedlar bag ☐ stainless spoon	☐ teflon bailer ☐ direct ☐ split spoon	
dedicated sampling equipment ?				
metals field filtered ?				
depth of sample (ft.)		~18		
sample containers		3-40 ML VOA Vials, 2-1L Ambers (Method 8260/8015)		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	6.98
temp (C)	14.2
cond (us/cm)	834
eH	2.8
Turbidity	45
Comments/remarks	Sl. turbid, no odor, no sheen Also PFA's and 1,4-dioxane analysis

Sample ID	W-2	Sample date/time	9/27/18 - 7:00
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite ☒ groundwater ☐ leachate ☐ other	☐ grab ☐ surface water ☐ industrial	☐ soil ☐ storm sewer	☐ sediment ☐ gas

MONITORING WELL DATA				
Casing diameter	2"	from ☐ PVC	from ☒ steel	from ☐ other
Static water level	4.95	from ☐ inner casing	from ☒ protective casing	
Bottom depth	13.98	from ☐ inner casing	from ☒ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.16	water volume in well		1.44
Well condition	OK	(in gallons)		

MONITORING WELL PURGE DATA				
☐ submersible pump ☒ poly bailer	☐ peristaltic pump ☐ teflon bailer ☐ yes	☐ suction pump ☐ other ☒ no	☐ PVC bailer	dedicated purge equipment ?
Pumping rate	4 Bails/Gallon	Elapsed time		
Bail volume		Number of bails		
Volume purged (gal.)	2	Well volumes	1.38	
Time purge complete		Well evacuated ?	☒ yes	☐ no

SAMPLING DATA				
☐ pump ☐ stainless bucket ☐ hand corer ☐ other	☐ PVC bailer ☐ poly cup ☐ hand auger	☒ poly bailer ☐ tedlar bag ☐ stainless spoon	☐ teflon bailer ☐ direct ☐ split spoon	
dedicated sampling equipment ?		☐ yes	☒ no	
metals field filtered ?		☐ yes	☒ no	
depth of sample (ft.)		~13.50		
sample containers		3-40 ML VOA Vials, 0.5-1L Ambers (Method 8260/8015)		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	-
temp (C)	-
cond (us/cm)	-
eH	-
Turbidity	-
Comments/remarks	Short purge due to no recovery No readings

Sample ID	MW-12	Sample date/time	9/27/18 -
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	14.42	from ☒ inner casing	from ☐ protective casing
Bottom depth	14.42	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 0.00	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails/gal	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)		Well volumes	
Time purge complete		Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)			
sample containers	3-40 ML VOA Vials, 1-1L Ambers (Method 8260/8015)		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	-
temp (C)	-
cond (us/cm)	-
eH	-
Turbidity	-
Comments/remarks	Well was dry.

Sample ID	MW-13	Sample date/time	9/27/18 -
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	☐ soil	☐ sediment
	☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
	☐ leachate	☐ industrial		
	☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	15.60	from ☒ inner casing	from ☐ protective casing
Bottom depth	15.60	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	0.00	
		(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails/gal	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)		Well volumes	0.00
Time purge complete		Well evacuated ?	☒ yes
			☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)			
sample containers	3-40 ML VOA Vials, 2-1L Ambers (Method 8260/8015)		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	-
temp (C)	-
cond (us/cm)	-
eH	-
Turbidity	-
Comments/remarks	Well was dry

Sample ID	<u>RI-6</u>	Sample date/time	<u>9/27/18 - 8:45</u>
Bottle set (lab)		Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Sunny, 60's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel
Static water level	<u>14.99</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>23.60</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	<u>0.16</u>	water volume in well	
Well condition	<u>Poor</u>	<u>1.38</u>	
		(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?		☒ yes	☐ no
Pumping rate	<u>4 bails/gal</u>	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	<u>4.5</u>	Well volumes	<u>3.27</u>
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		<u>~20</u>	
sample containers		<u>3- 40 ML VOA Vials</u>	

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>6.50</u>
temp (C)	<u>16.6</u>
cond (us/cm)	<u>709</u>
eH	<u>13.8</u>
Turbidity	<u>18</u>
Comments/remarks	<u>Clear, no odor, slight sheen</u>

Sample ID	U-6D	Sample date/time	9/27/18 -9:10
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA				
Casing diameter	2"	☐ PVC	☒ steel	☐ other
Static water level	7.25	from ☒ inner casing	from ☐ protective casing	
Bottom depth	26.23	from ☐ inner casing	from ☒ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.16	water volume in well		3.04
Well condition	Good	(in gallons)		

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails / gal.gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	7	Well volumes	2.31
Time purge complete		Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~20		
sample containers	3- 40 ML VOA Vials , 2-250 ml. plas. 2-250 ml ambers		

PHYSICAL AND CHEMICAL DATA	
Before Sampling	
pH (SU)	6.72
temp (C)	15.8
cond (us/cm)	604
eH	31.2
Turbidity	29.00
Comments/remarks	Clear, no odor, no sheen Also PFA's and 1,4-dioxane analysis

Sample ID	OS-2R	Sample date/time	9/28/18 - 10:40
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite ☒ groundwater ☐ leachate ☐ other	☐ grab ☐ surface water ☐ industrial	☐ soil ☐ storm sewer	☐ sediment ☐ gas

MONITORING WELL DATA				
Casing diameter	2"		☐ PVC ☒ steel ☐ other	
Static water level	19.25	from	☐ inner casing ☒ protective casing	
Bottom depth	48.37	from	☐ inner casing ☒ protective casing	
static water level indicator type		☐ steel/PVC tape ☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		4.66
Well condition	Good	(in gallons)		

MONITORING WELL PURGE DATA				
☒ submersible pump ☐ poly bailer	☐ peristaltic pump ☐ teflon bailer ☐ yes	☐ suction pump ☐ other ☒ no	☐ PVC bailer	
dedicated purge equipment ?				
Pumping rate	4.0 gpm	Elapsed time		
Bail volume		Number of bails		
Volume purged (gal.)	14	Well volumes		3.00
Time purge complete		Well evacuated ?		☒ yes ☐ no

SAMPLING DATA				
☒ pump ☐ stainless bucket ☐ hand corer ☐ other	☐ PVC bailer ☐ poly cup ☐ hand auger	☐ poly bailer ☐ tedlar bag ☐ stainless spoon	☐ teflon bailer ☐ direct ☐ split spoon	
dedicated sampling equipment ?		☐ yes ☒ no		
metals field filtered ?		☐ yes ☒ no		
depth of sample (ft.)		~45		
sample containers		3- 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.09
temp (C)	13.9
cond (us/cm)	588
eH	-35.6
Turbidity	12.1
Comments/remarks	Clear, no odor, no sheen

Sample ID	OS-5R / DUP-02	Sample date/time	9/28/18 - 10:00
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 60's, 0-5 mph			

SAMPLE TYPE			
☐ composite	☐ grab	☐ soil	☐ sediment
☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
☐ leachate	☐ industrial		
☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	11.95	from ☒ inner casing	from ☐ protective casing
Bottom depth	38.31	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition		4.22	
		(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	12.75	Well volumes	3.02
Time purge complete		Well evacuated ?	☐ yes
			☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~36		
sample containers	3- 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.41
temp (C)	16.6
cond (us/cm)	398
eH	-1.9
Turbidity	2.10
Comments/remarks	Clear, no odor, no sheen

Sample ID	<u>OS-5D / QA/QC</u>	Sample date/time	<u>9/28/18 - 8:55</u>
Bottle set (lab)		Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Rain, 60's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	<u>4"</u>	☐ PVC	☒ steel	☐ other	
Static water level	<u>16.30</u>	from ☒ inner casing	from ☐ protective casing		
Bottom depth	<u>74.78</u>	from ☒ inner casing	from ☐ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	<u>0.65</u>	water volume in well		<u>38.01</u>	
Well condition	<u>Bent</u>	(in gallons)			

MONITORING WELL PURGE DATA					
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☐ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	<u>4 gpm</u>	Elapsed time			
Bail volume		Number of bails			
Volume purged (gal.)	<u>115</u>	Well volumes	<u>3.03</u>		
Time purge complete		Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		<u>~70</u>			
sample containers		<u>3- 40 ML VOA Vials</u>			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.55</u>
temp (C)	<u>13.9</u>
cond (us/cm)	<u>831</u>
eH	<u>-12.3</u>
Turbidity	<u>4.80</u>
Comments/remarks	<u>Clear, no odor, no sheen</u> <u>(QA/QC)</u>

Sample ID	OS-06	Sample date/time	9/27/18 - 9:40
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)	Observer		
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	☐ soil	☐ sediment
	☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
	☐ leachate	☐ industrial		
	☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	14.46	from ☒ inner casing	from ☐ protective casing
Bottom depth	23.65	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	1.47
Well condition	Good	(in gallons)	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails/gal	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	5	Well volumes	3.40
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~20		
sample containers	3- 40 ML VOA Vials , 2-250 ml. plas. 2-250 ml ambers		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	6.54
temp (C)	15.7
cond (us/cm)	708.0
eH	-41.1
Turbidity	86
Comments/remarks	Turbid (orange), no odor, no sheen Also PFA's and 1,4-dioxane analysis

Sample ID	OS-6R	Sample date/time	9/27/18 - 10:05
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	14.31	from ☒ inner casing	from ☐ protective casing
Bottom depth	43.30	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 4.64	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails / gal.	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	7.5	Well volumes	1.62
Time purge complete		Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~43		
sample containers	3- 40 ML VOA Vials , 2-250 ml. plas. 2-250 ml ambers		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.44
temp (C)	15.9
cond (us/cm)	843
eH	-13.9
Turbidity	21
Comments/remarks	Clear, no odor, no sheen
	Also PFA's and 1,4-dioxane analysis

Sample ID	<u>OS-7R</u>	Sample date/time	<u>9/28/18 - 7:20</u>
Bottle set (lab)		Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Rain, 60's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite ☒ groundwater ☐ leachate ☐ other	☐ grab ☐ surface water ☐ industrial	☐ soil ☐ storm sewer	☐ sediment ☐ gas

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC ☒ steel ☐ other	
Static water level	<u>12.28</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>36.47</u>	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	<u>0.16</u>	water volume in well <u>3.87</u>	
Well condition	<u>Good</u>	(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump ☐ poly bailer dedicated purge equipment ?	☐ peristaltic pump ☐ teflon bailer ☐ yes	☐ suction pump ☐ other ☒ no	☐ PVC bailer ☐ no
Pumping rate	<u>4.0 gpm</u>	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	<u>11.75</u>	Well volumes	<u>3.04</u>
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump ☐ stainless bucket ☐ hand corer ☐ other	☐ PVC bailer ☐ poly cup ☐ hand auger	☐ poly bailer ☐ tedlar bag ☐ stainless spoon	☐ teflon bailer ☐ direct ☐ split spoon
dedicated sampling equipment ?		☐ yes	☒ no
metals field filtered ?		☐ yes	☒ no
depth of sample (ft.)		<u>~30</u>	
sample containers		<u>3-40 ML VOA Vials</u>	

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>7.34</u>
temp (C)	<u>13.9</u>
cond (us/cm)	<u>1,003</u>
eH	<u>-35.7</u>
Turbidity	<u>2.90</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>

Sample ID	<u>OS-7D</u>	Sample date/time	<u>9/28/18 - 7:05</u>
Bottle set (lab)		Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Rain, 60's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA				
Casing diameter	<u>4"</u>	☐ PVC	☒ steel	☐ other
Static water level	<u>9.31</u>	from ☒ inner casing	from ☐ protective casing	
Bottom depth	<u>68.00</u>	from ☒ inner casing	from ☐ protective casing	
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	<u>0.65</u>	water volume in well		<u>38.15</u>
Well condition	<u>Good</u>	(in gallons)		

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4.0 gpm</u>	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	<u>114.5</u>	Well volumes	<u>3.00</u>
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~65</u>		
sample containers	<u>3-40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>8.11</u>
temp (C)	<u>14.8</u>
cond (us/cm)	<u>821</u>
eH	<u>-101.2</u>
Turbidity	<u>4.80</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>

Sample ID	OS-9	Sample date/time	9/27/18 - 12:15
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	☐ soil	☐ sediment
	☒ groundwater	☐ surface water	☐ storm sewer	☐ gas
	☐ leachate	☐ industrial		
	☐ other			

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	4.95	from ☒ inner casing	from ☐ protective casing
Bottom depth	20.50	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Poor	(in gallons) 2.49	

MONITORING WELL PURGE DATA			
☐ submersible pump	☒ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	Elapsed time		
Bail volume	Number of bails		
Volume purged (gal.)	7.5	Well volumes 3.01	
Time purge complete	Well evacuated ? ☐ yes ☒ no		

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	10		
sample containers	3 - 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.01
temp (C)	19.6
cond (us/cm)	1,002
eH	-201.1
Turbidity	8.7
Comments/remarks	Clear, no odor, no sheen

Sample ID	OS-9R	Sample date/time	9/27/18 - 12:35
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	39.13	from	☐ inner casing	from	☒ protective casing
Bottom depth	43.81	from	☐ inner casing	from	☒ protective casing
static water level indicator type			☐ steel/PVC tape	☒ electronic	☐ other
Linear conversion	0.16			water volume in well	0.75
Well condition	lock added			(in gallons)	

MONITORING WELL PURGE DATA					
	☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer	
	☒ poly bailer	☐ teflon bailer	☐ other		
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	4 bails/gal	Elapsed time			
Bail volume		Number of bails			
Volume purged (gal.)	2	Well volumes		2.67	
Time purge complete		Well evacuated ?		☒ yes	☐ no

SAMPLING DATA					
	☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer	
	☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct	
	☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon	
	☐ other				
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~43			
sample containers		3- 40 ML VOA Vials			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	9.73
temp (C)	16.6
cond (us/cm)	333
eH	-184.7
Turbidity	4.90
Comments/remarks	Clear, no odor, no sheen

Sample ID	OS-11R	Sample date/time	9/27/18 - 10:40
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite ☒ groundwater ☐ leachate ☐ other	☐ grab ☐ surface water ☐ industrial	☐ soil ☐ storm sewer	☐ sediment ☐ gas

MONITORING WELL DATA				
Casing diameter	2"	☐ PVC ☒ inner casing ☐ inner casing ☐ steel/PVC tape	☒ steel ☐ protective casing ☒ protective casing ☒ electronic	☐ other ☐ other
Static water level	24.25	from	from	
Bottom depth	44.40	from	from	
static water level indicator type				
Linear conversion	0.16	water volume in well		3.22
Well condition	Good	(in gallons)		

MONITORING WELL PURGE DATA				
☐ submersible pump ☒ poly bailer	☐ peristaltic pump ☐ teflon bailer ☐ yes	☐ suction pump ☐ other ☒ no	☐ PVC bailer	☐ dedicated purge equipment ?
Pumping rate	4 bails / gal.	Elapsed time		
Bail volume		Number of bails		
Volume purged (gal.)	10	Well volumes	3.10	
Time purge complete		Well evacuated ?	☐ yes	☒ no

SAMPLING DATA				
☐ pump ☐ stainless bucket ☐ hand corer ☐ other	☐ PVC bailer ☐ poly cup ☐ hand auger	☒ poly bailer ☐ tedlar bag ☐ stainless spoon	☐ teflon bailer ☐ direct ☐ split spoon	☐ dedicated sampling equipment ? ☐ metals field filtered ?
depth of sample (ft.)		~35		
sample containers		3- 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.23
temp (C)	12.8
cond (us/cm)	1,001
eH	-19.3
Turbidity	12.00
Comments/remarks	Clear, no odor, no sheen

Sample ID	OS-11D	Sample date/time	9/27/18 - 11:40
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	☐ surface water	☐ soil	☐ sediment
	☒ groundwater		☐ industrial	☐ storm sewer	☐ gas
	☐ leachate				
	☐ other				

MONITORING WELL DATA					
Casing diameter	4"	☐ PVC	☒ steel	☐ other	
Static water level	22.49	from ☒ inner casing	from ☐ protective casing		
Bottom depth	75.50	from ☐ inner casing	from ☒ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.65	water volume in well		34.46	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☐ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	4.0 gpm	Elapsed time			
Bail volume		Number of bails			
Volume purged (gal.)	110	Well volumes	3.19		
Time purge complete		Well evacuated ?	☐ yes	☒ no	

SAMPLING DATA					
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~70			
sample containers		3- 40 ML VOA Vials			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.18
temp (C)	13.8
cond (us/cm)	502
eH	-45
Turbidity	7.78
Comments/remarks	Clear, no odor, no sheen

Sample ID	OS-11R	Sample date/time	9/27/18 - 10:40
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Sunny, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	24.25	from ☒ inner casing	from ☐ protective casing
Bottom depth	44.40	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	(in gallons) 3.22	

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4 bails / gal.	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	10	Well volumes	3.10
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~35		
sample containers	3- 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.23
temp (C)	12.8
cond (us/cm)	1,001
eH	-19.3
Turbidity	12.00
Comments/remarks	Clear, no odor, no sheen

Sample ID	<u>OS-12R</u>	Sample date/time	<u>9/28/18 - 8:00</u>
Bottle set (lab)		Field personnel	<u>MAC/LFC</u>
Project location	<u>Blauvelt - Xerox</u>		
Project Number	<u>461-06-00</u>		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
<u>Rain, 60's, 0-5 mph</u>			

SAMPLE TYPE	☐ composite	☐ grab		
	☒ groundwater	☐ surface water	☐ soil	☐ sediment
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas
	☐ other			

MONITORING WELL DATA			
Casing diameter	<u>2"</u>	☐ PVC	☒ steel
Static water level	<u>9.50</u>	from ☒ inner casing	from ☐ protective casing
Bottom depth	<u>33.05</u>	from ☐ inner casing	from ☒ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	<u>0.16</u>		water volume in well
Well condition	<u>Good</u>		<u>3.77</u>
			(in gallons)

MONITORING WELL PURGE DATA			
☐ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☒ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	<u>4 bails/gal</u>	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	<u>7.5</u>	Well volumes	<u>1.99</u>
Time purge complete		Well evacuated ?	☒ yes ☐ no

SAMPLING DATA			
☐ pump	☐ PVC bailer	☒ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	<u>~32</u>		
sample containers	<u>3- 40 ML VOA Vials</u>		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	<u>8.44</u>
temp (C)	<u>16</u>
cond (us/cm)	<u>407</u>
eH	<u>-107.3</u>
Turbidity	<u>26</u>
Comments/remarks	<u>Clear, no odor, no sheen</u>

Sample ID	OS-15R	Sample date/time	9/28/18 - 8:55
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab	
	☒ groundwater	☐ surface water	☐ soil
	☐ leachate	☐ industrial	☐ storm sewer
	☐ other		☐ sediment
			☐ gas

MONITORING WELL DATA			
Casing diameter	2"	☐ PVC	☒ steel
Static water level	16.75	from ☒ inner casing	from ☐ protective casing
Bottom depth	49.40	from ☒ inner casing	from ☐ protective casing
static water level indicator type		☐ steel/PVC tape	☒ electronic
Linear conversion	0.16	water volume in well	
Well condition	Good	5.22	
		(in gallons)	

MONITORING WELL PURGE DATA			
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer
☐ poly bailer	☐ teflon bailer	☐ other	
dedicated purge equipment ?	☐ yes	☒ no	
Pumping rate	4.0 gpm	Elapsed time	
Bail volume		Number of bails	
Volume purged (gal.)	15.75	Well volumes	3.01
Time purge complete		Well evacuated ?	☐ yes ☒ no

SAMPLING DATA			
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon
☐ other			
dedicated sampling equipment ?	☐ yes	☒ no	
metals field filtered ?	☐ yes	☒ no	
depth of sample (ft.)	~45		
sample containers	3- 40 ML VOA Vials		

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.11
temp (C)	15.3
cond (us/cm)	809
eH	-1.6
Turbidity	46.90
Comments/remarks	Sl. Turbid, no odor, no sheen

Sample ID	OS-15D	Sample date/time	9/28/18 - 8:30
Bottle set (lab)		Field personnel	MAC/LFC
Project location	Blauvelt - Xerox		
Project Number	461-06-00		
Weather conditions (estimate wind, cloud, precip, humidity, temp)		Observer	
Rain, 60's, 0-5 mph			

SAMPLE TYPE	☐ composite	☐ grab			
	☒ groundwater	☐ surface water	☐ soil	☐ sediment	
	☐ leachate	☐ industrial	☐ storm sewer	☐ gas	
	☐ other				

MONITORING WELL DATA					
Casing diameter	2"		☐ PVC	☒ steel	☐ other
Static water level	11.92	from ☒ inner casing	from ☐ protective casing		
Bottom depth	82.20	from ☐ inner casing	from ☒ protective casing		
static water level indicator type		☐ steel/PVC tape	☒ electronic	☐ other	
Linear conversion	0.16	water volume in well		11.24	
Well condition	Good	(in gallons)			

MONITORING WELL PURGE DATA					
☒ submersible pump	☐ peristaltic pump	☐ suction pump	☐ PVC bailer		
☐ poly bailer	☐ teflon bailer	☐ other			
dedicated purge equipment ?		☐ yes	☒ no		
Pumping rate	4.0 gpm	Elapsed time			
Bail volume		Number of bails			
Volume purged (gal.)	35	Well volumes		3.11	
Time purge complete		Well evacuated ?		☐ yes	☒ no

SAMPLING DATA					
☒ pump	☐ PVC bailer	☐ poly bailer	☐ teflon bailer		
☐ stainless bucket	☐ poly cup	☐ tedlar bag	☐ direct		
☐ hand corer	☐ hand auger	☐ stainless spoon	☐ split spoon		
☐ other					
dedicated sampling equipment ?		☐ yes	☒ no		
metals field filtered ?		☐ yes	☒ no		
depth of sample (ft.)		~75			
sample containers		3- 40 ML VOA Vials			

PHYSICAL AND CHEMICAL DATA	
After Sampling	
pH (SU)	7.21
temp (C)	15.4
cond (us/cm)	883
eH	-56.7
Turbidity	6.10
Comments/remarks	Clear, no odor, no sheen



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8015C	Water	Mineral Spirits
8260C	Water	Total Target Volatiles (TTV)

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Sample Name: W-2 2018 Q3
Lab Code: R1809394-001
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8015C
8260C

Extracted/Digested By
CHARRINGTON

Analyzed By
JMISIUREWICZ
DLIPANI

Sample Name: U-6D 2018 Q3
Lab Code: R1809394-002
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OW-1 2018 Q3
Lab Code: R1809394-005
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OW-2 2018 Q3
Lab Code: R1809394-006
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Sample Name: PW-2 2018 Q3
Lab Code: R1809394-007
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8015C
8260C

Extracted/Digested By
CHARRINGTON

Analyzed By
JMISIUREWICZ
DLIPANI

Sample Name: RI-6 2018 Q3
Lab Code: R1809394-008
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: DUP-01 2018 Q3
Lab Code: R1809394-009
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8015C
8260C

Extracted/Digested By
CHARRINGTON

Analyzed By
JMISIUREWICZ
DLIPANI

Sample Name: EQUIPMENT BLANK-01 2018 Q3
Lab Code: R1809394-010
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8015C
8260C

Extracted/Digested By
CHARRINGTON

Analyzed By
JMISIUREWICZ
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Sample Name: TRIP BLANK-01 2018 Q3
Lab Code: R1809394-011
Sample Matrix: Water

Date Collected: 09/27/18**Date Received:** 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-2R 2018 Q3
Lab Code: R1809394-012
Sample Matrix: Water

Date Collected: 09/28/18**Date Received:** 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-5R 2018 Q3
Lab Code: R1809394-013
Sample Matrix: Water

Date Collected: 09/28/18**Date Received:** 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-5D 2018 Q3
Lab Code: R1809394-014
Sample Matrix: Water

Date Collected: 09/28/18**Date Received:** 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-6 2018 Q3
Lab Code: R1809394-015
Sample Matrix: Water

Date Collected: 09/27/18**Date Received:** 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Sample Name: OS-6R 2018 Q3
Lab Code: R1809394-016
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-7R 2018 Q3
Lab Code: R1809394-017
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-7D 2018 Q3
Lab Code: R1809394-018
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-9 2018 Q3
Lab Code: R1809394-019
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-9R 2018 Q3
Lab Code: R1809394-020
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Sample Name: OS-11R 2018 Q3
Lab Code: R1809394-021
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-11D 2018 Q3
Lab Code: R1809394-022
Sample Matrix: Water

Date Collected: 09/27/18
Date Received: 09/28/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-12R 2018 Q3
Lab Code: R1809394-023
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-15R 2018 Q3
Lab Code: R1809394-024
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-15D 2018 Q3
Lab Code: R1809394-025
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394

Sample Name: DUP-02 2018 Q3
Lab Code: R1809394-026
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: TRIP BLANK-02 2018 Q3
Lab Code: R1809394-028
Sample Matrix: Water

Date Collected: 09/28/18
Date Received: 09/29/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.

GROUNDWATER LEVEL MONITORING REPORT

Project: Xerox Blauvelt Quarter 3 Monitoring		Client: Xerox Corporation		File Number:									
Location: Blauvelt, NY		Weather:		Project Manager:									
Reference: Top of Casing		Units: ft		Field Representative:									
Method: Dip		Comments:											
Monitoring Well ID	Area of Interest	Monitoring Interval	Date	Time (Military Time)	Date & Time	Well Dry? (Y/N)	Depth to Floating Product (ft)	Depth to Water (ft)	Depth to Sinking Product (ft)	Depth to Well Bottom (ft)	Unit	Top of Riser Elevation (ft)	Calc. Water Elevation (ft)
MW-12	ONSITE	QUARTERLY				Y					ft	111.72	
MW-13	ONSITE	QUARTERLY				Y					ft	114.28	
OW-1	ONSITE	QUARTERLY	09/27/18	08:25	09/27/18 08:25	N		19.03		35.50	ft	113.27	94.24
OW-2	ONSITE	QUARTERLY	09/27/18	07:10	09/27/18 07:10	N		17.00		32.87	ft	110.98	93.98
PW-2	ONSITE	QUARTERLY	09/27/18	08:00	09/27/18 08:00	N		18.75		20.19	ft	110.90	92.15
RI-6	ONSITE	QUARTERLY	09/27/18	08:45	09/27/18 08:45	N		14.99		23.60	ft	114.46	99.47
U-6D	ONSITE	QUARTERLY	09/27/18	09:10	09/27/18 09:10	N		7.25		26.23	ft	118.43	111.18
W-2	ONSITE	QUARTERLY	09/27/18	07:00	09/27/18 07:00	N		4.95		13.98	ft	106.80	101.85
OS-11D	OFFSITE	QUARTERLY	09/27/18	11:40	09/27/18 11:40	N		22.49		75.50	ft	105.90	83.41
OS-11R	OFFSITE	QUARTERLY	09/27/18	10:40	09/27/18 10:40	N		24.25		44.40	ft	105.65	81.40
OS-12R	OFFSITE	QUARTERLY	09/28/18	08:00	09/28/18 08:00	N		9.50		33.05	ft	86.91	77.41
OS-15D	OFFSITE	QUARTERLY	09/28/18	08:30	09/28/18 08:30	N		11.92		82.20	ft	85.82	73.90
OS-15R	OFFSITE	QUARTERLY	09/28/18	08:55	09/28/18 08:55	N		16.75		49.40	ft	86.49	69.74
OS-2R	OFFSITE	QUARTERLY	09/28/18	10:40	09/28/18 10:40	N		19.25		48.37	ft	105.02	85.77
OS-5D	OFFSITE	QUARTERLY	09/28/18	08:55	09/28/18 08:55	N		15.30		74.78	ft	101.12	84.82
OS-5R	OFFSITE	QUARTERLY	09/28/18	10:00	09/28/18 10:00	N		11.95		38.31	ft	100.60	88.65
OS-6	OFFSITE	QUARTERLY	09/27/18	09:40	09/27/18 09:40	N		14.46		23.65	ft	89.93	75.47
OS-6R	OFFSITE	QUARTERLY	09/27/18	10:05	09/27/18 10:05	N		14.31		43.30	ft	98.7	84.39
OS-7D	OFFSITE	QUARTERLY	09/28/18	07:05	09/28/18 07:05	N		9.31		68.00	ft	93.78	84.47
OS-7R	OFFSITE	QUARTERLY	09/28/18	07:20	09/28/18 07:20	N		12.28		36.47	ft	93.17	80.89
OS-9	OFFSITE	QUARTERLY	09/27/18	12:15	09/27/18 12:15	N		4.95		20.50	ft	83.71	78.76
OS-9R	OFFSITE	QUARTERLY	09/27/18	12:35	09/27/18 12:35	N		39.13		43.81	ft	83.66	44.53



Sample Results

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:35
Date Received: 09/28/18 09:00

Sample Name: W-2 2018 Q3
Lab Code: R1809394-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 16:43	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 16:43	
Bromoform	5.0 U	5.0	1	10/01/18 16:43	
Bromomethane	5.0 U	5.0	1	10/01/18 16:43	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 16:43	
Chlorobenzene	5.0 U	5.0	1	10/01/18 16:43	
Chloroethane	5.0 U	5.0	1	10/01/18 16:43	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 16:43	
Chloroform	5.0 U	5.0	1	10/01/18 16:43	
Chloromethane	5.0 U	5.0	1	10/01/18 16:43	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 16:43	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 16:43	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 16:43	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 16:43	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 16:43	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 16:43	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 16:43	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 16:43	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 16:43	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 16:43	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 16:43	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 16:43	
Ethylbenzene	5.0 U	5.0	1	10/01/18 16:43	
Methylene Chloride	5.0 U	5.0	1	10/01/18 16:43	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 16:43	
Toluene	5.0 U	5.0	1	10/01/18 16:43	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 16:43	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 16:43	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 16:43	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 16:43	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 16:43	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 16:43	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 16:43	
o-Xylene	5.0 U	5.0	1	10/01/18 16:43	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 16:43	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:35
Date Received: 09/28/18 09:00

Sample Name: W-2 2018 Q3
Lab Code: R1809394-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	10/01/18 16:43	
Dibromofluoromethane	96	89 - 119	10/01/18 16:43	
Toluene-d8	98	87 - 121	10/01/18 16:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 09:10
Date Received: 09/28/18 09:00

Sample Name: U-6D 2018 Q3
Lab Code: R1809394-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 17:05	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 17:05	
Bromoform	5.0 U	5.0	1	10/01/18 17:05	
Bromomethane	5.0 U	5.0	1	10/01/18 17:05	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 17:05	
Chlorobenzene	5.0 U	5.0	1	10/01/18 17:05	
Chloroethane	5.0 U	5.0	1	10/01/18 17:05	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 17:05	
Chloroform	5.0 U	5.0	1	10/01/18 17:05	
Chloromethane	5.0 U	5.0	1	10/01/18 17:05	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 17:05	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:05	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:05	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:05	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 17:05	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 17:05	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 17:05	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 17:05	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 17:05	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 17:05	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 17:05	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 17:05	
Ethylbenzene	5.0 U	5.0	1	10/01/18 17:05	
Methylene Chloride	5.0 U	5.0	1	10/01/18 17:05	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 17:05	
Toluene	5.0 U	5.0	1	10/01/18 17:05	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 17:05	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 17:05	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 17:05	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 17:05	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 17:05	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 17:05	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 17:05	
o-Xylene	5.0 U	5.0	1	10/01/18 17:05	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 17:05	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 09:10
Date Received: 09/28/18 09:00

Sample Name: U-6D 2018 Q3
Lab Code: R1809394-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	10/01/18 17:05	
Dibromofluoromethane	96	89 - 119	10/01/18 17:05	
Toluene-d8	97	87 - 121	10/01/18 17:05	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:25
Date Received: 09/28/18 09:00

Sample Name: OW-1 2018 Q3
Lab Code: R1809394-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 17:27	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 17:27	
Bromoform	5.0 U	5.0	1	10/01/18 17:27	
Bromomethane	5.0 U	5.0	1	10/01/18 17:27	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 17:27	
Chlorobenzene	5.0 U	5.0	1	10/01/18 17:27	
Chloroethane	5.0 U	5.0	1	10/01/18 17:27	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 17:27	
Chloroform	5.0 U	5.0	1	10/01/18 17:27	
Chloromethane	5.0 U	5.0	1	10/01/18 17:27	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 17:27	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:27	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:27	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:27	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 17:27	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 17:27	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 17:27	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 17:27	
cis-1,2-Dichloroethene	8.0	5.0	1	10/01/18 17:27	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 17:27	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 17:27	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 17:27	
Ethylbenzene	5.0 U	5.0	1	10/01/18 17:27	
Methylene Chloride	5.0 U	5.0	1	10/01/18 17:27	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 17:27	
Toluene	5.0 U	5.0	1	10/01/18 17:27	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 17:27	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 17:27	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 17:27	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 17:27	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 17:27	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 17:27	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 17:27	
o-Xylene	5.0 U	5.0	1	10/01/18 17:27	
Total Target Volatiles (TTV)	8.0	5.0	1	10/01/18 17:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:25
Date Received: 09/28/18 09:00

Sample Name: OW-1 2018 Q3
Lab Code: R1809394-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	10/01/18 17:27	
Dibromofluoromethane	95	89 - 119	10/01/18 17:27	
Toluene-d8	96	87 - 121	10/01/18 17:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:10
Date Received: 09/28/18 09:00

Sample Name: OW-2 2018 Q3
Lab Code: R1809394-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 17:49	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 17:49	
Bromoform	5.0 U	5.0	1	10/01/18 17:49	
Bromomethane	5.0 U	5.0	1	10/01/18 17:49	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 17:49	
Chlorobenzene	5.0 U	5.0	1	10/01/18 17:49	
Chloroethane	5.0 U	5.0	1	10/01/18 17:49	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 17:49	
Chloroform	5.0 U	5.0	1	10/01/18 17:49	
Chloromethane	5.0 U	5.0	1	10/01/18 17:49	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 17:49	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:49	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:49	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 17:49	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 17:49	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 17:49	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 17:49	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 17:49	
cis-1,2-Dichloroethene	19	5.0	1	10/01/18 17:49	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 17:49	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 17:49	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 17:49	
Ethylbenzene	5.0 U	5.0	1	10/01/18 17:49	
Methylene Chloride	5.0 U	5.0	1	10/01/18 17:49	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 17:49	
Toluene	5.0 U	5.0	1	10/01/18 17:49	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 17:49	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 17:49	
Tetrachloroethene (PCE)	5.3	5.0	1	10/01/18 17:49	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 17:49	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 17:49	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 17:49	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 17:49	
o-Xylene	5.0 U	5.0	1	10/01/18 17:49	
Total Target Volatiles (TTV)	24.3	5.0	1	10/01/18 17:49	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:10
Date Received: 09/28/18 09:00

Sample Name: OW-2 2018 Q3
Lab Code: R1809394-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	10/01/18 17:49	
Dibromofluoromethane	99	89 - 119	10/01/18 17:49	
Toluene-d8	98	87 - 121	10/01/18 17:49	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:00
Date Received: 09/28/18 09:00

Sample Name: PW-2 2018 Q3
Lab Code: R1809394-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 19:38	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 19:38	
Bromoform	5.0 U	5.0	1	10/01/18 19:38	
Bromomethane	5.0 U	5.0	1	10/01/18 19:38	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 19:38	
Chlorobenzene	5.0 U	5.0	1	10/01/18 19:38	
Chloroethane	5.0 U	5.0	1	10/01/18 19:38	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 19:38	
Chloroform	5.0 U	5.0	1	10/01/18 19:38	
Chloromethane	5.0 U	5.0	1	10/01/18 19:38	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 19:38	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 19:38	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 19:38	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 19:38	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 19:38	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 19:38	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 19:38	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 19:38	
cis-1,2-Dichloroethene	200 D	10	2	10/02/18 20:13	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 19:38	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 19:38	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 19:38	
Ethylbenzene	5.0 U	5.0	1	10/01/18 19:38	
Methylene Chloride	5.0 U	5.0	1	10/01/18 19:38	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 19:38	
Toluene	5.0 U	5.0	1	10/01/18 19:38	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 19:38	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 19:38	
Tetrachloroethene (PCE)	18	5.0	1	10/01/18 19:38	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 19:38	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 19:38	
Vinyl Chloride	7.7	5.0	1	10/01/18 19:38	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 19:38	
o-Xylene	5.0 U	5.0	1	10/01/18 19:38	
Total Target Volatiles (TTV)	225.7	5.0	1	10/01/18 19:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:00
Date Received: 09/28/18 09:00

Sample Name: PW-2 2018 Q3
Lab Code: R1809394-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/01/18 19:38	
Dibromofluoromethane	99	89 - 119	10/01/18 19:38	
Toluene-d8	98	87 - 121	10/01/18 19:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:45
Date Received: 09/28/18 09:00

Sample Name: RI-6 2018 Q3
Lab Code: R1809394-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 18:11	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 18:11	
Bromoform	5.0 U	5.0	1	10/01/18 18:11	
Bromomethane	5.0 U	5.0	1	10/01/18 18:11	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 18:11	
Chlorobenzene	5.0 U	5.0	1	10/01/18 18:11	
Chloroethane	5.0 U	5.0	1	10/01/18 18:11	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 18:11	
Chloroform	5.0 U	5.0	1	10/01/18 18:11	
Chloromethane	5.0 U	5.0	1	10/01/18 18:11	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 18:11	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:11	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:11	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:11	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 18:11	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 18:11	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 18:11	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 18:11	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 18:11	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 18:11	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 18:11	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 18:11	
Ethylbenzene	5.0 U	5.0	1	10/01/18 18:11	
Methylene Chloride	5.0 U	5.0	1	10/01/18 18:11	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 18:11	
Toluene	5.0 U	5.0	1	10/01/18 18:11	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 18:11	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 18:11	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 18:11	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 18:11	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 18:11	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 18:11	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 18:11	
o-Xylene	5.0 U	5.0	1	10/01/18 18:11	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 18:11	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:45
Date Received: 09/28/18 09:00

Sample Name: RI-6 2018 Q3
Lab Code: R1809394-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/01/18 18:11	
Dibromofluoromethane	96	89 - 119	10/01/18 18:11	
Toluene-d8	96	87 - 121	10/01/18 18:11	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:05
Date Received: 09/28/18 09:00

Sample Name: DUP-01 2018 Q3
Lab Code: R1809394-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 20:35	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 20:35	
Bromoform	5.0 U	5.0	1	10/02/18 20:35	
Bromomethane	5.0 U	5.0	1	10/02/18 20:35	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 20:35	
Chlorobenzene	5.0 U	5.0	1	10/02/18 20:35	
Chloroethane	5.0 U	5.0	1	10/02/18 20:35	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 20:35	
Chloroform	5.0 U	5.0	1	10/02/18 20:35	
Chloromethane	5.0 U	5.0	1	10/02/18 20:35	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 20:35	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 20:35	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 20:35	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 20:35	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 20:35	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 20:35	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 20:35	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 20:35	
cis-1,2-Dichloroethene	210 D	10	2	10/02/18 20:56	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 20:35	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 20:35	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 20:35	
Ethylbenzene	5.0 U	5.0	1	10/02/18 20:35	
Methylene Chloride	5.0 U	5.0	1	10/02/18 20:35	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 20:35	
Toluene	5.0 U	5.0	1	10/02/18 20:35	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 20:35	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 20:35	
Tetrachloroethene (PCE)	18	5.0	1	10/02/18 20:35	
Trichloroethene (TCE)	5.2	5.0	1	10/02/18 20:35	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 20:35	
Vinyl Chloride	9.1	5.0	1	10/02/18 20:35	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 20:35	
o-Xylene	5.0 U	5.0	1	10/02/18 20:35	
Total Target Volatiles (TTV)	242.3	5.0	1	10/02/18 20:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:05
Date Received: 09/28/18 09:00

Sample Name: DUP-01 2018 Q3
Lab Code: R1809394-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	10/02/18 20:35	
Dibromofluoromethane	98	89 - 119	10/02/18 20:35	
Toluene-d8	97	87 - 121	10/02/18 20:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:25
Date Received: 09/28/18 09:00

Sample Name: EQUIPMENT BLANK-01 2018 Q3
Lab Code: R1809394-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 14:10	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 14:10	
Bromoform	5.0 U	5.0	1	10/01/18 14:10	
Bromomethane	5.0 U	5.0	1	10/01/18 14:10	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 14:10	
Chlorobenzene	5.0 U	5.0	1	10/01/18 14:10	
Chloroethane	5.0 U	5.0	1	10/01/18 14:10	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 14:10	
Chloroform	5.0 U	5.0	1	10/01/18 14:10	
Chloromethane	5.0 U	5.0	1	10/01/18 14:10	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 14:10	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 14:10	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 14:10	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 14:10	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 14:10	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 14:10	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 14:10	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 14:10	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 14:10	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 14:10	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 14:10	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 14:10	
Ethylbenzene	5.0 U	5.0	1	10/01/18 14:10	
Methylene Chloride	5.0 U	5.0	1	10/01/18 14:10	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 14:10	
Toluene	5.0 U	5.0	1	10/01/18 14:10	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 14:10	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 14:10	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 14:10	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 14:10	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 14:10	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 14:10	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 14:10	
o-Xylene	5.0 U	5.0	1	10/01/18 14:10	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 14:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:25
Date Received: 09/28/18 09:00

Sample Name: EQUIPMENT BLANK-01 2018 Q3
Lab Code: R1809394-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/01/18 14:10	
Dibromofluoromethane	93	89 - 119	10/01/18 14:10	
Toluene-d8	94	87 - 121	10/01/18 14:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 12:45
Date Received: 09/28/18 09:00

Sample Name: TRIP BLANK-01 2018 Q3
Lab Code: R1809394-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 14:32	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 14:32	
Bromoform	5.0 U	5.0	1	10/01/18 14:32	
Bromomethane	5.0 U	5.0	1	10/01/18 14:32	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 14:32	
Chlorobenzene	5.0 U	5.0	1	10/01/18 14:32	
Chloroethane	5.0 U	5.0	1	10/01/18 14:32	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 14:32	
Chloroform	5.0 U	5.0	1	10/01/18 14:32	
Chloromethane	5.0 U	5.0	1	10/01/18 14:32	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 14:32	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 14:32	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 14:32	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 14:32	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 14:32	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 14:32	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 14:32	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 14:32	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 14:32	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 14:32	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 14:32	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 14:32	
Ethylbenzene	5.0 U	5.0	1	10/01/18 14:32	
Methylene Chloride	5.0 U	5.0	1	10/01/18 14:32	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 14:32	
Toluene	5.0 U	5.0	1	10/01/18 14:32	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 14:32	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 14:32	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 14:32	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 14:32	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 14:32	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 14:32	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 14:32	
o-Xylene	5.0 U	5.0	1	10/01/18 14:32	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 14:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 12:45
Date Received: 09/28/18 09:00

Sample Name: TRIP BLANK-01 2018 Q3
Lab Code: R1809394-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	10/01/18 14:32	
Dibromofluoromethane	96	89 - 119	10/01/18 14:32	
Toluene-d8	98	87 - 121	10/01/18 14:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:40
Date Received: 09/29/18 08:40

Sample Name: OS-2R 2018 Q3
Lab Code: R1809394-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 15:29	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 15:29	
Bromoform	5.0 U	5.0	1	10/02/18 15:29	
Bromomethane	5.0 U	5.0	1	10/02/18 15:29	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 15:29	
Chlorobenzene	5.0 U	5.0	1	10/02/18 15:29	
Chloroethane	5.0 U	5.0	1	10/02/18 15:29	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 15:29	
Chloroform	5.0 U	5.0	1	10/02/18 15:29	
Chloromethane	5.0 U	5.0	1	10/02/18 15:29	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 15:29	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 15:29	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 15:29	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 15:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 15:29	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 15:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 15:29	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 15:29	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 15:29	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 15:29	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 15:29	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 15:29	
Ethylbenzene	5.0 U	5.0	1	10/02/18 15:29	
Methylene Chloride	5.0 U	5.0	1	10/02/18 15:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 15:29	
Toluene	5.0 U	5.0	1	10/02/18 15:29	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 15:29	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 15:29	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 15:29	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 15:29	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 15:29	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 15:29	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 15:29	
o-Xylene	5.0 U	5.0	1	10/02/18 15:29	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 15:29	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:40
Date Received: 09/29/18 08:40

Sample Name: OS-2R 2018 Q3
Lab Code: R1809394-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/02/18 15:29	
Dibromofluoromethane	93	89 - 119	10/02/18 15:29	
Toluene-d8	94	87 - 121	10/02/18 15:29	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:00
Date Received: 09/29/18 08:40

Sample Name: OS-5R 2018 Q3
Lab Code: R1809394-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 15:51	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 15:51	
Bromoform	5.0 U	5.0	1	10/02/18 15:51	
Bromomethane	5.0 U	5.0	1	10/02/18 15:51	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 15:51	
Chlorobenzene	5.0 U	5.0	1	10/02/18 15:51	
Chloroethane	5.0 U	5.0	1	10/02/18 15:51	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 15:51	
Chloroform	5.0 U	5.0	1	10/02/18 15:51	
Chloromethane	5.0 U	5.0	1	10/02/18 15:51	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 15:51	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 15:51	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 15:51	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 15:51	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 15:51	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 15:51	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 15:51	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 15:51	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 15:51	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 15:51	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 15:51	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 15:51	
Ethylbenzene	5.0 U	5.0	1	10/02/18 15:51	
Methylene Chloride	5.0 U	5.0	1	10/02/18 15:51	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 15:51	
Toluene	5.0 U	5.0	1	10/02/18 15:51	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 15:51	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 15:51	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 15:51	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 15:51	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 15:51	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 15:51	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 15:51	
o-Xylene	5.0 U	5.0	1	10/02/18 15:51	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 15:51	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:00
Date Received: 09/29/18 08:40

Sample Name: OS-5R 2018 Q3
Lab Code: R1809394-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	10/02/18 15:51	
Dibromofluoromethane	96	89 - 119	10/02/18 15:51	
Toluene-d8	95	87 - 121	10/02/18 15:51	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 09:55
Date Received: 09/29/18 08:40

Sample Name: OS-5D 2018 Q3
Lab Code: R1809394-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 16:13	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 16:13	
Bromoform	5.0 U	5.0	1	10/02/18 16:13	
Bromomethane	5.0 U	5.0	1	10/02/18 16:13	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 16:13	
Chlorobenzene	5.0 U	5.0	1	10/02/18 16:13	
Chloroethane	5.0 U	5.0	1	10/02/18 16:13	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 16:13	
Chloroform	5.0 U	5.0	1	10/02/18 16:13	
Chloromethane	5.0 U	5.0	1	10/02/18 16:13	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 16:13	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:13	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:13	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:13	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 16:13	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 16:13	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 16:13	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 16:13	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 16:13	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 16:13	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 16:13	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 16:13	
Ethylbenzene	5.0 U	5.0	1	10/02/18 16:13	
Methylene Chloride	5.0 U	5.0	1	10/02/18 16:13	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 16:13	
Toluene	5.0 U	5.0	1	10/02/18 16:13	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 16:13	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 16:13	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 16:13	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 16:13	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 16:13	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 16:13	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 16:13	
o-Xylene	5.0 U	5.0	1	10/02/18 16:13	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 16:13	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 09:55
Date Received: 09/29/18 08:40

Sample Name: OS-5D 2018 Q3
Lab Code: R1809394-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	10/02/18 16:13	
Dibromofluoromethane	94	89 - 119	10/02/18 16:13	
Toluene-d8	95	87 - 121	10/02/18 16:13	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 09:40
Date Received: 09/28/18 09:00

Sample Name: OS-6 2018 Q3
Lab Code: R1809394-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 18:33	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 18:33	
Bromoform	5.0 U	5.0	1	10/01/18 18:33	
Bromomethane	5.0 U	5.0	1	10/01/18 18:33	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 18:33	
Chlorobenzene	5.0 U	5.0	1	10/01/18 18:33	
Chloroethane	5.0 U	5.0	1	10/01/18 18:33	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 18:33	
Chloroform	5.0 U	5.0	1	10/01/18 18:33	
Chloromethane	5.0 U	5.0	1	10/01/18 18:33	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 18:33	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:33	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:33	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:33	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 18:33	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 18:33	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 18:33	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 18:33	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 18:33	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 18:33	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 18:33	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 18:33	
Ethylbenzene	5.0 U	5.0	1	10/01/18 18:33	
Methylene Chloride	5.0 U	5.0	1	10/01/18 18:33	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 18:33	
Toluene	5.0 U	5.0	1	10/01/18 18:33	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 18:33	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 18:33	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 18:33	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 18:33	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 18:33	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 18:33	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 18:33	
o-Xylene	5.0 U	5.0	1	10/01/18 18:33	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 18:33	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 09:40
Date Received: 09/28/18 09:00

Sample Name: OS-6 2018 Q3
Lab Code: R1809394-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	10/01/18 18:33	
Dibromofluoromethane	99	89 - 119	10/01/18 18:33	
Toluene-d8	100	87 - 121	10/01/18 18:33	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 10:05
Date Received: 09/28/18 09:00

Sample Name: OS-6R 2018 Q3
Lab Code: R1809394-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 18:54	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 18:54	
Bromoform	5.0 U	5.0	1	10/01/18 18:54	
Bromomethane	5.0 U	5.0	1	10/01/18 18:54	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 18:54	
Chlorobenzene	5.0 U	5.0	1	10/01/18 18:54	
Chloroethane	5.0 U	5.0	1	10/01/18 18:54	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 18:54	
Chloroform	5.0 U	5.0	1	10/01/18 18:54	
Chloromethane	5.0 U	5.0	1	10/01/18 18:54	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 18:54	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:54	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:54	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 18:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 18:54	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 18:54	
1,1-Dichloroethene (1,1-DCE)	5.6	5.0	1	10/01/18 18:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 18:54	
cis-1,2-Dichloroethene	21	5.0	1	10/01/18 18:54	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 18:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 18:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 18:54	
Ethylbenzene	5.0 U	5.0	1	10/01/18 18:54	
Methylene Chloride	5.0 U	5.0	1	10/01/18 18:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 18:54	
Toluene	5.0 U	5.0	1	10/01/18 18:54	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 18:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 18:54	
Tetrachloroethene (PCE)	20	5.0	1	10/01/18 18:54	
Trichloroethene (TCE)	17	5.0	1	10/01/18 18:54	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 18:54	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 18:54	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 18:54	
o-Xylene	5.0 U	5.0	1	10/01/18 18:54	
Total Target Volatiles (TTV)	63.6	5.0	1	10/01/18 18:54	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 10:05
Date Received: 09/28/18 09:00

Sample Name: OS-6R 2018 Q3
Lab Code: R1809394-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	10/01/18 18:54	
Dibromofluoromethane	97	89 - 119	10/01/18 18:54	
Toluene-d8	99	87 - 121	10/01/18 18:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 07:20
Date Received: 09/29/18 08:40

Sample Name: OS-7R 2018 Q3
Lab Code: R1809394-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 16:35	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 16:35	
Bromoform	5.0 U	5.0	1	10/02/18 16:35	
Bromomethane	5.0 U	5.0	1	10/02/18 16:35	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 16:35	
Chlorobenzene	5.0 U	5.0	1	10/02/18 16:35	
Chloroethane	5.0 U	5.0	1	10/02/18 16:35	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 16:35	
Chloroform	5.0 U	5.0	1	10/02/18 16:35	
Chloromethane	5.0 U	5.0	1	10/02/18 16:35	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 16:35	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:35	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:35	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:35	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 16:35	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 16:35	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 16:35	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 16:35	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 16:35	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 16:35	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 16:35	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 16:35	
Ethylbenzene	5.0 U	5.0	1	10/02/18 16:35	
Methylene Chloride	5.0 U	5.0	1	10/02/18 16:35	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 16:35	
Toluene	5.0 U	5.0	1	10/02/18 16:35	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 16:35	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 16:35	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 16:35	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 16:35	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 16:35	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 16:35	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 16:35	
o-Xylene	5.0 U	5.0	1	10/02/18 16:35	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 16:35	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 07:20
Date Received: 09/29/18 08:40

Sample Name: OS-7R 2018 Q3
Lab Code: R1809394-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	10/02/18 16:35	
Dibromofluoromethane	95	89 - 119	10/02/18 16:35	
Toluene-d8	95	87 - 121	10/02/18 16:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 07:05
Date Received: 09/29/18 08:40

Sample Name: OS-7D 2018 Q3
Lab Code: R1809394-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 16:57	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 16:57	
Bromoform	5.0 U	5.0	1	10/02/18 16:57	
Bromomethane	5.0 U	5.0	1	10/02/18 16:57	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 16:57	
Chlorobenzene	5.0 U	5.0	1	10/02/18 16:57	
Chloroethane	5.0 U	5.0	1	10/02/18 16:57	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 16:57	
Chloroform	5.0 U	5.0	1	10/02/18 16:57	
Chloromethane	5.0 U	5.0	1	10/02/18 16:57	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 16:57	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:57	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:57	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 16:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 16:57	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 16:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 16:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 16:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 16:57	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 16:57	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 16:57	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 16:57	
Ethylbenzene	5.0 U	5.0	1	10/02/18 16:57	
Methylene Chloride	5.0 U	5.0	1	10/02/18 16:57	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 16:57	
Toluene	5.0 U	5.0	1	10/02/18 16:57	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 16:57	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 16:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 16:57	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 16:57	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 16:57	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 16:57	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 16:57	
o-Xylene	5.0 U	5.0	1	10/02/18 16:57	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 16:57	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 07:05
Date Received: 09/29/18 08:40

Sample Name: OS-7D 2018 Q3
Lab Code: R1809394-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/02/18 16:57	
Dibromofluoromethane	97	89 - 119	10/02/18 16:57	
Toluene-d8	96	87 - 121	10/02/18 16:57	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 12:15
Date Received: 09/28/18 09:00

Sample Name: OS-9 2018 Q3
Lab Code: R1809394-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 19:16	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 19:16	
Bromoform	5.0 U	5.0	1	10/01/18 19:16	
Bromomethane	5.0 U	5.0	1	10/01/18 19:16	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 19:16	
Chlorobenzene	5.0 U	5.0	1	10/01/18 19:16	
Chloroethane	5.0 U	5.0	1	10/01/18 19:16	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 19:16	
Chloroform	5.0 U	5.0	1	10/01/18 19:16	
Chloromethane	5.0 U	5.0	1	10/01/18 19:16	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 19:16	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 19:16	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 19:16	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 19:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 19:16	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 19:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 19:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 19:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 19:16	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 19:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 19:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 19:16	
Ethylbenzene	5.0 U	5.0	1	10/01/18 19:16	
Methylene Chloride	5.0 U	5.0	1	10/01/18 19:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 19:16	
Toluene	5.0 U	5.0	1	10/01/18 19:16	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 19:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 19:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 19:16	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 19:16	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 19:16	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 19:16	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 19:16	
o-Xylene	5.0 U	5.0	1	10/01/18 19:16	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 19:16	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 12:15
Date Received: 09/28/18 09:00

Sample Name: OS-9 2018 Q3
Lab Code: R1809394-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	10/01/18 19:16	
Dibromofluoromethane	92	89 - 119	10/01/18 19:16	
Toluene-d8	94	87 - 121	10/01/18 19:16	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 12:35
Date Received: 09/28/18 09:00

Sample Name: OS-9R 2018 Q3
Lab Code: R1809394-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 17:18	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 17:18	
Bromoform	5.0 U	5.0	1	10/02/18 17:18	
Bromomethane	5.0 U	5.0	1	10/02/18 17:18	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 17:18	
Chlorobenzene	5.0 U	5.0	1	10/02/18 17:18	
Chloroethane	5.0 U	5.0	1	10/02/18 17:18	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 17:18	
Chloroform	5.0 U	5.0	1	10/02/18 17:18	
Chloromethane	5.0 U	5.0	1	10/02/18 17:18	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 17:18	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 17:18	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 17:18	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 17:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 17:18	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 17:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 17:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 17:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 17:18	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 17:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 17:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 17:18	
Ethylbenzene	5.0 U	5.0	1	10/02/18 17:18	
Methylene Chloride	5.0 U	5.0	1	10/02/18 17:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 17:18	
Toluene	5.0 U	5.0	1	10/02/18 17:18	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 17:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 17:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 17:18	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 17:18	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 17:18	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 17:18	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 17:18	
o-Xylene	5.0 U	5.0	1	10/02/18 17:18	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 17:18	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 12:35
Date Received: 09/28/18 09:00

Sample Name: OS-9R 2018 Q3
Lab Code: R1809394-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	10/02/18 17:18	
Dibromofluoromethane	92	89 - 119	10/02/18 17:18	
Toluene-d8	98	87 - 121	10/02/18 17:18	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 10:40
Date Received: 09/28/18 09:00

Sample Name: OS-11R 2018 Q3
Lab Code: R1809394-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 17:40	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 17:40	
Bromoform	5.0 U	5.0	1	10/02/18 17:40	
Bromomethane	5.0 U	5.0	1	10/02/18 17:40	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 17:40	
Chlorobenzene	5.0 U	5.0	1	10/02/18 17:40	
Chloroethane	5.0 U	5.0	1	10/02/18 17:40	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 17:40	
Chloroform	5.0 U	5.0	1	10/02/18 17:40	
Chloromethane	5.0 U	5.0	1	10/02/18 17:40	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 17:40	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 17:40	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 17:40	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 17:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 17:40	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 17:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 17:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 17:40	
cis-1,2-Dichloroethene	6.4	5.0	1	10/02/18 17:40	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 17:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 17:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 17:40	
Ethylbenzene	5.0 U	5.0	1	10/02/18 17:40	
Methylene Chloride	5.0 U	5.0	1	10/02/18 17:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 17:40	
Toluene	5.0 U	5.0	1	10/02/18 17:40	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 17:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 17:40	
Tetrachloroethene (PCE)	7.0	5.0	1	10/02/18 17:40	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 17:40	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 17:40	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 17:40	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 17:40	
o-Xylene	5.0 U	5.0	1	10/02/18 17:40	
Total Target Volatiles (TTV)	13.4	5.0	1	10/02/18 17:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 10:40
Date Received: 09/28/18 09:00

Sample Name: OS-11R 2018 Q3
Lab Code: R1809394-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	10/02/18 17:40	
Dibromofluoromethane	97	89 - 119	10/02/18 17:40	
Toluene-d8	95	87 - 121	10/02/18 17:40	

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dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 11:40
Date Received: 09/28/18 09:00

Sample Name: OS-11D 2018 Q3
Lab Code: R1809394-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 18:02	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 18:02	
Bromoform	5.0 U	5.0	1	10/02/18 18:02	
Bromomethane	5.0 U	5.0	1	10/02/18 18:02	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 18:02	
Chlorobenzene	5.0 U	5.0	1	10/02/18 18:02	
Chloroethane	5.0 U	5.0	1	10/02/18 18:02	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 18:02	
Chloroform	5.0 U	5.0	1	10/02/18 18:02	
Chloromethane	5.0 U	5.0	1	10/02/18 18:02	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 18:02	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:02	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:02	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:02	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 18:02	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 18:02	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 18:02	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 18:02	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 18:02	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 18:02	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 18:02	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 18:02	
Ethylbenzene	5.0 U	5.0	1	10/02/18 18:02	
Methylene Chloride	5.0 U	5.0	1	10/02/18 18:02	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 18:02	
Toluene	5.0 U	5.0	1	10/02/18 18:02	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 18:02	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 18:02	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 18:02	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 18:02	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 18:02	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 18:02	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 18:02	
o-Xylene	5.0 U	5.0	1	10/02/18 18:02	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 18:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 11:40
Date Received: 09/28/18 09:00

Sample Name: OS-11D 2018 Q3
Lab Code: R1809394-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	10/02/18 18:02	
Dibromofluoromethane	99	89 - 119	10/02/18 18:02	
Toluene-d8	97	87 - 121	10/02/18 18:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 08:00
Date Received: 09/29/18 08:40

Sample Name: OS-12R 2018 Q3
Lab Code: R1809394-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 18:24	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 18:24	
Bromoform	5.0 U	5.0	1	10/02/18 18:24	
Bromomethane	5.0 U	5.0	1	10/02/18 18:24	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 18:24	
Chlorobenzene	5.0 U	5.0	1	10/02/18 18:24	
Chloroethane	5.0 U	5.0	1	10/02/18 18:24	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 18:24	
Chloroform	5.0 U	5.0	1	10/02/18 18:24	
Chloromethane	5.0 U	5.0	1	10/02/18 18:24	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 18:24	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:24	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:24	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:24	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 18:24	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 18:24	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 18:24	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 18:24	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 18:24	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 18:24	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 18:24	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 18:24	
Ethylbenzene	5.0 U	5.0	1	10/02/18 18:24	
Methylene Chloride	5.0 U	5.0	1	10/02/18 18:24	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 18:24	
Toluene	5.0 U	5.0	1	10/02/18 18:24	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 18:24	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 18:24	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 18:24	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 18:24	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 18:24	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 18:24	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 18:24	
o-Xylene	5.0 U	5.0	1	10/02/18 18:24	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 18:24	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 08:00
Date Received: 09/29/18 08:40

Sample Name: OS-12R 2018 Q3
Lab Code: R1809394-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	10/02/18 18:24	
Dibromofluoromethane	93	89 - 119	10/02/18 18:24	
Toluene-d8	95	87 - 121	10/02/18 18:24	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 08:55
Date Received: 09/29/18 08:40

Sample Name: OS-15R 2018 Q3
Lab Code: R1809394-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 18:46	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 18:46	
Bromoform	5.0 U	5.0	1	10/02/18 18:46	
Bromomethane	5.0 U	5.0	1	10/02/18 18:46	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 18:46	
Chlorobenzene	5.0 U	5.0	1	10/02/18 18:46	
Chloroethane	5.0 U	5.0	1	10/02/18 18:46	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 18:46	
Chloroform	5.0 U	5.0	1	10/02/18 18:46	
Chloromethane	5.0 U	5.0	1	10/02/18 18:46	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 18:46	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:46	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:46	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 18:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 18:46	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 18:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 18:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 18:46	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 18:46	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 18:46	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 18:46	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 18:46	
Ethylbenzene	5.0 U	5.0	1	10/02/18 18:46	
Methylene Chloride	5.0 U	5.0	1	10/02/18 18:46	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 18:46	
Toluene	5.0 U	5.0	1	10/02/18 18:46	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 18:46	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 18:46	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 18:46	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 18:46	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 18:46	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 18:46	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 18:46	
o-Xylene	5.0 U	5.0	1	10/02/18 18:46	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 18:46	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 08:55
Date Received: 09/29/18 08:40

Sample Name: OS-15R 2018 Q3
Lab Code: R1809394-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	10/02/18 18:46	
Dibromofluoromethane	92	89 - 119	10/02/18 18:46	
Toluene-d8	92	87 - 121	10/02/18 18:46	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 08:30
Date Received: 09/29/18 08:40

Sample Name: OS-15D 2018 Q3
Lab Code: R1809394-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 19:07	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 19:07	
Bromoform	5.0 U	5.0	1	10/02/18 19:07	
Bromomethane	5.0 U	5.0	1	10/02/18 19:07	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 19:07	
Chlorobenzene	5.0 U	5.0	1	10/02/18 19:07	
Chloroethane	5.0 U	5.0	1	10/02/18 19:07	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 19:07	
Chloroform	5.0 U	5.0	1	10/02/18 19:07	
Chloromethane	5.0 U	5.0	1	10/02/18 19:07	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 19:07	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 19:07	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 19:07	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 19:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 19:07	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 19:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 19:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 19:07	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 19:07	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 19:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 19:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 19:07	
Ethylbenzene	5.0 U	5.0	1	10/02/18 19:07	
Methylene Chloride	5.0 U	5.0	1	10/02/18 19:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 19:07	
Toluene	5.0 U	5.0	1	10/02/18 19:07	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 19:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 19:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 19:07	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 19:07	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 19:07	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 19:07	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 19:07	
o-Xylene	5.0 U	5.0	1	10/02/18 19:07	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 19:07	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 08:30
Date Received: 09/29/18 08:40

Sample Name: OS-15D 2018 Q3
Lab Code: R1809394-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	10/02/18 19:07	
Dibromofluoromethane	95	89 - 119	10/02/18 19:07	
Toluene-d8	95	87 - 121	10/02/18 19:07	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:05
Date Received: 09/29/18 08:40

Sample Name: DUP-02 2018 Q3
Lab Code: R1809394-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 19:29	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 19:29	
Bromoform	5.0 U	5.0	1	10/02/18 19:29	
Bromomethane	5.0 U	5.0	1	10/02/18 19:29	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 19:29	
Chlorobenzene	5.0 U	5.0	1	10/02/18 19:29	
Chloroethane	5.0 U	5.0	1	10/02/18 19:29	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 19:29	
Chloroform	5.0 U	5.0	1	10/02/18 19:29	
Chloromethane	5.0 U	5.0	1	10/02/18 19:29	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 19:29	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 19:29	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 19:29	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 19:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 19:29	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 19:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 19:29	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 19:29	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 19:29	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 19:29	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 19:29	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 19:29	
Ethylbenzene	5.0 U	5.0	1	10/02/18 19:29	
Methylene Chloride	5.0 U	5.0	1	10/02/18 19:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 19:29	
Toluene	5.0 U	5.0	1	10/02/18 19:29	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 19:29	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 19:29	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 19:29	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 19:29	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 19:29	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 19:29	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 19:29	
o-Xylene	5.0 U	5.0	1	10/02/18 19:29	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 19:29	

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dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:05
Date Received: 09/29/18 08:40

Sample Name: DUP-02 2018 Q3
Lab Code: R1809394-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	10/02/18 19:29	
Dibromofluoromethane	94	89 - 119	10/02/18 19:29	
Toluene-d8	94	87 - 121	10/02/18 19:29	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:35
Date Received: 09/29/18 08:40

Sample Name: TRIP BLANK-02 2018 Q3
Lab Code: R1809394-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 14:00	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 14:00	
Bromoform	5.0 U	5.0	1	10/02/18 14:00	
Bromomethane	5.0 U	5.0	1	10/02/18 14:00	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 14:00	
Chlorobenzene	5.0 U	5.0	1	10/02/18 14:00	
Chloroethane	5.0 U	5.0	1	10/02/18 14:00	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 14:00	
Chloroform	5.0 U	5.0	1	10/02/18 14:00	
Chloromethane	5.0 U	5.0	1	10/02/18 14:00	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 14:00	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 14:00	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 14:00	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 14:00	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 14:00	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 14:00	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 14:00	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 14:00	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 14:00	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 14:00	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 14:00	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 14:00	
Ethylbenzene	5.0 U	5.0	1	10/02/18 14:00	
Methylene Chloride	5.0 U	5.0	1	10/02/18 14:00	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 14:00	
Toluene	5.0 U	5.0	1	10/02/18 14:00	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 14:00	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 14:00	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 14:00	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 14:00	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 14:00	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 14:00	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 14:00	
o-Xylene	5.0 U	5.0	1	10/02/18 14:00	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 14:00	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18 10:35
Date Received: 09/29/18 08:40

Sample Name: TRIP BLANK-02 2018 Q3
Lab Code: R1809394-028

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	10/02/18 14:00	
Dibromofluoromethane	96	89 - 119	10/02/18 14:00	
Toluene-d8	93	87 - 121	10/02/18 14:00	



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:35
Date Received: 09/28/18 09:00

Sample Name: W-2 2018 Q3
Lab Code: R1809394-001

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	10/04/18 14:54	10/2/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	65	18 - 152	10/04/18 14:54	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:00
Date Received: 09/28/18 09:00

Sample Name: PW-2 2018 Q3
Lab Code: R1809394-007

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	10/04/18 15:18	10/2/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	78	18 - 152	10/04/18 15:18	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 08:05
Date Received: 09/28/18 09:00

Sample Name: DUP-01 2018 Q3
Lab Code: R1809394-009

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	10/04/18 15:41	10/2/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	73	18 - 152	10/04/18 15:41	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18 07:25
Date Received: 09/28/18 09:00

Sample Name: EQUIPMENT BLANK-01 2018 Q3
Lab Code: R1809394-010

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	10/04/18 16:05	10/2/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	87	18 - 152	10/04/18 16:05	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
DUP-01 2018 Q3	R1809394-009	90	98	97
OS-2R 2018 Q3	R1809394-012	89	93	94
OS-5R 2018 Q3	R1809394-013	88	96	95
OS-5D 2018 Q3	R1809394-014	88	94	95
OS-7R 2018 Q3	R1809394-017	90	95	95
OS-7D 2018 Q3	R1809394-018	89	97	96
OS-9R 2018 Q3	R1809394-020	91	92	98
OS-11R 2018 Q3	R1809394-021	91	97	95
OS-11D 2018 Q3	R1809394-022	89	99	97
OS-12R 2018 Q3	R1809394-023	87	93	95
OS-15R 2018 Q3	R1809394-024	86	92	92
OS-15D 2018 Q3	R1809394-025	88	95	95
DUP-02 2018 Q3	R1809394-026	87	94	94
TRIP BLANK-02 2018 Q3	R1809394-028	90	96	93
Method Blank	RQ1810578-05	92	97	97
Lab Control Sample	RQ1810578-04	95	95	95
OS-5D 2018 Q3 MS	RQ1810578-06	102	102	102
OS-5D 2018 Q3 DMS	RQ1810578-07	97	98	98
W-2 2018 Q3	R1809394-001	90	96	98
U-6D 2018 Q3	R1809394-002	88	96	97
OW-1 2018 Q3	R1809394-005	87	95	96
OW-2 2018 Q3	R1809394-006	91	99	98
PW-2 2018 Q3	R1809394-007	89	99	98
RI-6 2018 Q3	R1809394-008	89	96	96
EQUIPMENT BLANK-01 2018 Q3	R1809394-010	89	93	94
TRIP BLANK-01 2018 Q3	R1809394-011	90	96	98
OS-6 2018 Q3	R1809394-015	94	99	100
OS-6R 2018 Q3	R1809394-016	92	97	99
OS-9 2018 Q3	R1809394-019	86	92	94
Method Blank	RQ1810457-06	97	103	103
Lab Control Sample	RQ1810457-04	98	94	97
Duplicate Lab Control Sample	RQ1810457-05	95	96	95
OW-2 2018 Q3 MS	RQ1810457-07	103	100	103
OW-2 2018 Q3 DMS	RQ1810457-08	95	95	95

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/27/18
Date Received: 09/28/18
Date Analyzed: 10/1/18

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OW-2 2018 Q3
Lab Code: R1809394-006
Analysis Method: 8260C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1810457-07				Duplicate Matrix Spike RQ1810457-08				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Benzene	5.0 U	51.5	50.0	103	52.2	50.0	104	76-129	1	30
Bromodichloromethane	5.0 U	49.6	50.0	99	51.5	50.0	103	78-133	4	30
Bromoform	5.0 U	50.1	50.0	100	51.3	50.0	103	58-133	2	30
Bromomethane	5.0 U	30.9	50.0	62	30.9	50.0	62	10-184	<1	30
Carbon Tetrachloride	5.0 U	46.7	50.0	93	48.4	50.0	97	65-135	4	30
Chlorobenzene	5.0 U	46.8	50.0	94	47.9	50.0	96	76-125	2	30
Chloroethane	5.0 U	40.5	50.0	81	40.0	50.0	80	48-146	1	30
2-Chloroethyl Vinyl Ether	5.0 U	47.1	50.0	94	50.7	50.0	101	19-162	7	30
Chloroform	5.0 U	53.3	50.0	107	53.1	50.0	106	75-130	<1	30
Chloromethane	5.0 U	48.5	50.0	97	51.9	50.0	104	55-160	7	30
Dibromochloromethane	5.0 U	48.5	50.0	97	52.4	50.0	105	72-128	8	30
1,2-Dichlorobenzene	5.0 U	44.8	50.0	90	46.2	50.0	92	77-120	3	30
1,3-Dichlorobenzene	5.0 U	46.7	50.0	93	47.3	50.0	95	83-121	1	30
1,4-Dichlorobenzene	5.0 U	44.9	50.0	90	45.4	50.0	91	82-120	<1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	54.8	50.0	110	54.5	50.0	109	74-132	<1	30
1,2-Dichloroethane	5.0 U	52.6	50.0	105	52.8	50.0	106	68-130	<1	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	49.6	50.0	99	51.3	50.0	103	71-118	3	30
trans-1,2-Dichloroethene	5.0 U	50.1	50.0	100	51.8	50.0	104	73-118	3	30
cis-1,2-Dichloroethene	19	68.1	50.0	99	67.2	50.0	97	77-127	1	30
1,2-Dichloropropane	5.0 U	52.0	50.0	104	54.7	50.0	109	79-124	5	30
cis-1,3-Dichloropropene	5.0 U	51.9	50.0	104	53.0	50.0	106	52-134	2	30
trans-1,3-Dichloropropene	5.0 U	48.5	50.0	97	50.0	50.0	100	71-133	3	30
Ethylbenzene	5.0 U	48.3	50.0	97	50.2	50.0	100	72-134	4	30
Methylene Chloride	5.0 U	47.1	50.0	94	48.0	50.0	96	73-122	2	30
1,1,2,2-Tetrachloroethane	5.0 U	53.7	50.0	107	53.3	50.0	107	72-122	<1	30
Toluene	5.0 U	49.9	50.0	100	50.5	50.0	101	79-119	1	30
1,1,1-Trichloroethane (TCA)	5.0 U	47.3	50.0	95	49.3	50.0	99	74-127	4	30
1,1,2-Trichloroethane	5.0 U	48.3	50.0	97	48.7	50.0	97	82-121	<1	30
Tetrachloroethene (PCE)	5.3	51.8	50.0	93	53.7	50.0	97	72-125	4	30
Trichloroethene (TCE)	5.0 U	49.4	50.0	99	50.1	50.0	100	74-122	1	30
Trichlorofluoromethane (CFC 11)	5.0 U	46.4	50.0	93	46.5	50.0	93	71-136	<1	30
Vinyl Chloride	5.0 U	46.1	50.0	92	48.7	50.0	97	74-159	5	30
m,p-Xylenes	5.0 U	96.4	100	96	101	100	101	80-126	4	30
o-Xylene	5.0 U	46.3	50.0	93	48.2	50.0	96	79-123	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: 09/28/18
Date Received: 09/29/18
Date Analyzed: 10/2/18
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OS-5D 2018 Q3
Lab Code: R1809394-014
Analysis Method: 8260C
Prep Method: EPA 5030C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1810578-06				Duplicate Matrix Spike RQ1810578-07				% Rec Limits	RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
Benzene	5.0 U	55.1	50.0	110	53.7	50.0	107	76-129	3	30	
Bromodichloromethane	5.0 U	55.5	50.0	111	55.1	50.0	110	78-133	<1	30	
Bromoform	5.0 U	53.6	50.0	107	54.1	50.0	108	58-133	1	30	
Bromomethane	5.0 U	30.6	50.0	61	31.0	50.0	62	10-184	1	30	
Carbon Tetrachloride	5.0 U	52.0	50.0	104	53.9	50.0	108	65-135	4	30	
Chlorobenzene	5.0 U	49.7	50.0	99	48.9	50.0	98	76-125	2	30	
Chloroethane	5.0 U	38.9	50.0	78	36.7	50.0	73	48-146	6	30	
2-Chloroethyl Vinyl Ether	5.0 U	47.0	50.0	94	47.1	50.0	94	19-162	<1	30	
Chloroform	5.0 U	54.1	50.0	108	52.5	50.0	105	75-130	3	30	
Chloromethane	5.0 U	50.9	50.0	102	49.4	50.0	99	55-160	3	30	
Dibromochloromethane	5.0 U	53.6	50.0	107	51.5	50.0	103	72-128	4	30	
1,2-Dichlorobenzene	5.0 U	48.7	50.0	97	47.9	50.0	96	77-120	2	30	
1,3-Dichlorobenzene	5.0 U	50.6	50.0	101	49.6	50.0	99	83-121	2	30	
1,4-Dichlorobenzene	5.0 U	47.7	50.0	95	47.6	50.0	95	82-120	<1	30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	54.1	50.0	108	52.6	50.0	105	74-132	3	30	
1,2-Dichloroethane	5.0 U	55.9	50.0	112	55.6	50.0	111	68-130	<1	30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	48.7	50.0	97	47.7	50.0	95	71-118	2	30	
trans-1,2-Dichloroethene	5.0 U	50.9	50.0	102	48.7	50.0	97	73-118	4	30	
cis-1,2-Dichloroethene	5.0 U	51.4	50.0	103	50.1	50.0	100	77-127	3	30	
1,2-Dichloropropane	5.0 U	56.6	50.0	113	55.3	50.0	111	79-124	2	30	
cis-1,3-Dichloropropene	5.0 U	56.2	50.0	112	54.5	50.0	109	52-134	3	30	
trans-1,3-Dichloropropene	5.0 U	52.2	50.0	104	52.7	50.0	105	71-133	<1	30	
Ethylbenzene	5.0 U	52.2	50.0	104	52.3	50.0	105	72-134	<1	30	
Methylene Chloride	5.0 U	48.8	50.0	98	45.5	50.0	91	73-122	7	30	
1,1,2,2-Tetrachloroethane	5.0 U	53.3	50.0	107	52.7	50.0	105	72-122	1	30	
Toluene	5.0 U	54.6	50.0	109	53.0	50.0	106	79-119	3	30	
1,1,1-Trichloroethane (TCA)	5.0 U	49.8	50.0	100	49.9	50.0	100	74-127	<1	30	
1,1,2-Trichloroethane	5.0 U	53.6	50.0	107	51.1	50.0	102	82-121	5	30	
Tetrachloroethene (PCE)	5.0 U	51.3	50.0	103	50.8	50.0	102	72-125	<1	30	
Trichloroethene (TCE)	5.0 U	51.7	50.0	103	50.8	50.0	102	74-122	2	30	
Trichlorofluoromethane (CFC 11)	5.0 U	46.4	50.0	93	45.0	50.0	90	71-136	3	30	
Vinyl Chloride	5.0 U	45.8	50.0	92	44.7	50.0	89	74-159	2	30	
m,p-Xylenes	5.0 U	104	100	104	102	100	102	80-126	2	30	
o-Xylene	5.0 U	50.8	50.0	102	49.2	50.0	98	79-123	3	30	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1810457-06

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/01/18 12:14	
Bromodichloromethane	5.0 U	5.0	1	10/01/18 12:14	
Bromoform	5.0 U	5.0	1	10/01/18 12:14	
Bromomethane	5.0 U	5.0	1	10/01/18 12:14	
Carbon Tetrachloride	5.0 U	5.0	1	10/01/18 12:14	
Chlorobenzene	5.0 U	5.0	1	10/01/18 12:14	
Chloroethane	5.0 U	5.0	1	10/01/18 12:14	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/01/18 12:14	
Chloroform	5.0 U	5.0	1	10/01/18 12:14	
Chloromethane	5.0 U	5.0	1	10/01/18 12:14	
Dibromochloromethane	5.0 U	5.0	1	10/01/18 12:14	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/01/18 12:14	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/01/18 12:14	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/01/18 12:14	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/01/18 12:14	
1,2-Dichloroethane	5.0 U	5.0	1	10/01/18 12:14	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/01/18 12:14	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 12:14	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/01/18 12:14	
1,2-Dichloropropane	5.0 U	5.0	1	10/01/18 12:14	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 12:14	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/01/18 12:14	
Ethylbenzene	5.0 U	5.0	1	10/01/18 12:14	
Methylene Chloride	5.0 U	5.0	1	10/01/18 12:14	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/01/18 12:14	
Toluene	5.0 U	5.0	1	10/01/18 12:14	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/01/18 12:14	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/01/18 12:14	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/01/18 12:14	
Trichloroethene (TCE)	5.0 U	5.0	1	10/01/18 12:14	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/01/18 12:14	
Vinyl Chloride	5.0 U	5.0	1	10/01/18 12:14	
m,p-Xylenes	5.0 U	5.0	1	10/01/18 12:14	
o-Xylene	5.0 U	5.0	1	10/01/18 12:14	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/01/18 12:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1810457-06

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	10/01/18 12:14	
Dibromofluoromethane	103	89 - 119	10/01/18 12:14	
Toluene-d8	103	87 - 121	10/01/18 12:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1810578-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	10/02/18 13:29	
Bromodichloromethane	5.0 U	5.0	1	10/02/18 13:29	
Bromoform	5.0 U	5.0	1	10/02/18 13:29	
Bromomethane	5.0 U	5.0	1	10/02/18 13:29	
Carbon Tetrachloride	5.0 U	5.0	1	10/02/18 13:29	
Chlorobenzene	5.0 U	5.0	1	10/02/18 13:29	
Chloroethane	5.0 U	5.0	1	10/02/18 13:29	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	10/02/18 13:29	
Chloroform	5.0 U	5.0	1	10/02/18 13:29	
Chloromethane	5.0 U	5.0	1	10/02/18 13:29	
Dibromochloromethane	5.0 U	5.0	1	10/02/18 13:29	
1,2-Dichlorobenzene	5.0 U	5.0	1	10/02/18 13:29	
1,3-Dichlorobenzene	5.0 U	5.0	1	10/02/18 13:29	
1,4-Dichlorobenzene	5.0 U	5.0	1	10/02/18 13:29	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	10/02/18 13:29	
1,2-Dichloroethane	5.0 U	5.0	1	10/02/18 13:29	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	10/02/18 13:29	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 13:29	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/02/18 13:29	
1,2-Dichloropropane	5.0 U	5.0	1	10/02/18 13:29	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 13:29	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/02/18 13:29	
Ethylbenzene	5.0 U	5.0	1	10/02/18 13:29	
Methylene Chloride	5.0 U	5.0	1	10/02/18 13:29	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/02/18 13:29	
Toluene	5.0 U	5.0	1	10/02/18 13:29	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	10/02/18 13:29	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/02/18 13:29	
Tetrachloroethene (PCE)	5.0 U	5.0	1	10/02/18 13:29	
Trichloroethene (TCE)	5.0 U	5.0	1	10/02/18 13:29	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	10/02/18 13:29	
Vinyl Chloride	5.0 U	5.0	1	10/02/18 13:29	
m,p-Xylenes	5.0 U	5.0	1	10/02/18 13:29	
o-Xylene	5.0 U	5.0	1	10/02/18 13:29	
Total Target Volatiles (TTV)	5.0 U	5.0	1	10/02/18 13:29	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1810578-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	10/02/18 13:29	
Dibromofluoromethane	97	89 - 119	10/02/18 13:29	
Toluene-d8	97	87 - 121	10/02/18 13:29	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Analyzed: 10/02/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1810578-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	20.8	20.0	104	79-119
Bromodichloromethane	8260C	20.5	20.0	103	81-123
Bromoform	8260C	23.0	20.0	115	65-146
Bromomethane	8260C	12.9	20.0	65	42-166
Carbon Tetrachloride	8260C	19.8	20.0	99	70-127
Chlorobenzene	8260C	19.5	20.0	97	80-121
Chloroethane	8260C	14.8	20.0	74	62-131
2-Chloroethyl Vinyl Ether	8260C	17.3	20.0	86	19-162
Chloroform	8260C	20.3	20.0	101	79-120
Chloromethane	8260C	20.0	20.0	100	65-135
Dibromochloromethane	8260C	20.1	20.0	101	72-128
1,2-Dichlorobenzene	8260C	19.0	20.0	95	80-119
1,3-Dichlorobenzene	8260C	19.3	20.0	96	83-121
1,4-Dichlorobenzene	8260C	19.0	20.0	95	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	21.5	20.0	107	80-124
1,2-Dichloroethane	8260C	21.3	20.0	107	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	18.6	20.0	93	71-118
trans-1,2-Dichloroethene	8260C	19.7	20.0	99	73-118
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121
1,2-Dichloropropane	8260C	20.8	20.0	104	80-119
cis-1,3-Dichloropropene	8260C	20.8	20.0	104	77-122
trans-1,3-Dichloropropene	8260C	18.9	20.0	95	71-133
Ethylbenzene	8260C	20.4	20.0	102	76-120
Methylene Chloride	8260C	18.8	20.0	94	73-122
1,1,2,2-Tetrachloroethane	8260C	19.5	20.0	98	78-126
Toluene	8260C	20.3	20.0	101	79-119
1,1,1-Trichloroethane (TCA)	8260C	19.0	20.0	95	75-125
1,1,2-Trichloroethane	8260C	19.5	20.0	97	82-121
Tetrachloroethene (PCE)	8260C	19.6	20.0	98	72-125
Trichloroethene (TCE)	8260C	19.7	20.0	98	74-122
Trichlorofluoromethane (CFC 11)	8260C	17.8	20.0	89	71-136
Vinyl Chloride	8260C	18.0	20.0	90	74-159
m,p-Xylenes	8260C	39.8	40.0	99	80-126

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Analyzed: 10/02/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1810578-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	19.3	20.0	97	79-123

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Analyzed: 10/01/18

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample RQ1810457-04					Duplicate Lab Control Sample RQ1810457-05					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Benzene	8260C	20.6	20.0	103	21.5	20.0	108	79-119	4	30
Bromodichloromethane	8260C	20.5	20.0	102	20.8	20.0	104	81-123	2	30
Bromoform	8260C	22.3	20.0	112	22.7	20.0	113	65-146	2	30
Bromomethane	8260C	13.6	20.0	68	13.5	20.0	68	42-166	<1	30
Carbon Tetrachloride	8260C	18.6	20.0	93	19.7	20.0	98	70-127	6	30
Chlorobenzene	8260C	19.6	20.0	98	19.6	20.0	98	80-121	<1	30
Chloroethane	8260C	16.7	20.0	83	16.7	20.0	83	62-131	<1	30
2-Chloroethyl Vinyl Ether	8260C	18.2	20.0	91	18.9	20.0	94	19-162	4	30
Chloroform	8260C	21.2	20.0	106	21.5	20.0	107	79-120	1	30
Chloromethane	8260C	21.3	20.0	107	21.0	20.0	105	65-135	2	30
Dibromochloromethane	8260C	20.0	20.0	100	20.6	20.0	103	72-128	3	30
1,2-Dichlorobenzene	8260C	19.1	20.0	96	19.6	20.0	98	80-119	2	30
1,3-Dichlorobenzene	8260C	19.6	20.0	98	19.9	20.0	100	83-121	2	30
1,4-Dichlorobenzene	8260C	19.4	20.0	97	19.6	20.0	98	79-119	1	30
1,1-Dichloroethane (1,1-DCA)	8260C	22.0	20.0	110	22.3	20.0	112	80-124	1	30
1,2-Dichloroethane	8260C	21.6	20.0	108	21.6	20.0	108	71-127	<1	30
1,1-Dichloroethene (1,1-DCE)	8260C	20.2	20.0	101	19.7	20.0	98	71-118	3	30
trans-1,2-Dichloroethene	8260C	20.3	20.0	101	20.5	20.0	102	73-118	1	30
cis-1,2-Dichloroethene	8260C	20.6	20.0	103	20.1	20.0	100	80-121	3	30
1,2-Dichloropropane	8260C	21.3	20.0	106	21.8	20.0	109	80-119	2	30
cis-1,3-Dichloropropene	8260C	20.9	20.0	104	20.9	20.0	105	77-122	<1	30
trans-1,3-Dichloropropene	8260C	19.4	20.0	97	19.8	20.0	99	71-133	2	30
Ethylbenzene	8260C	19.9	20.0	99	20.4	20.0	102	76-120	2	30
Methylene Chloride	8260C	19.8	20.0	99	19.7	20.0	98	73-122	<1	30
1,1,2,2-Tetrachloroethane	8260C	20.7	20.0	104	22.5	20.0	113	78-126	8	30
Toluene	8260C	20.2	20.0	101	20.5	20.0	102	79-119	1	30
1,1,1-Trichloroethane (TCA)	8260C	19.5	20.0	97	20.0	20.0	100	75-125	3	30
1,1,2-Trichloroethane	8260C	19.7	20.0	98	20.7	20.0	104	82-121	5	30
Tetrachloroethene (PCE)	8260C	19.2	20.0	96	18.7	20.0	94	72-125	3	30
Trichloroethene (TCE)	8260C	18.1	20.0	90	19.1	20.0	95	74-122	5	30
Trichlorofluoromethane (CFC 11)	8260C	20.2	20.0	101	19.3	20.0	96	71-136	5	30
Vinyl Chloride	8260C	19.8	20.0	99	18.8	20.0	94	74-159	5	30
m,p-Xylenes	8260C	40.4	40.0	101	40.3	40.0	101	80-126	<1	30

ALS Group USA, Corp.

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Analyzed: 10/01/18

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA

Analyte Name	Analytical Method	Result	Lab Control Sample		Duplicate Lab Control Sample		% Rec	% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec	Result	Spike Amount	% Rec			
o-Xylene	8260C	19.2	20.0	96	19.8	20.0	99	79-123	3	30

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394
Date Analyzed: 10/ 1/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\100118\D6270.D\

Calibration Date: 8/21/18
Calibration ID: RC1800095
Analysis Lot: 608969
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	52.0	1.333	1.385	3.9	NA	± 20 %	Average RF
Bromodichloromethane	50.0	53.5	0.4109	0.4397	7.0	NA	± 20 %	Average RF
Bromoform	50.0	53.0	NA	NA	NA	6.0	± 20 %	Quadratic
Bromomethane	50.0	33.4	NA	NA	NA	-33.2 *	± 20 %	Quadratic
Carbon Tetrachloride	50.0	50.9	0.3690	0.3758	1.8	NA	± 20 %	Average RF
Chlorobenzene	50.0	48.1	1.057	1.017	-3.8	NA	± 20 %	Average RF
Chloroethane	50.0	51.0	0.4524	0.4614	2.0	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	46.7	0.2002	0.1869	-6.6	NA	± 20 %	Average RF
Chloroform	50.0	52.0	0.8846	0.9196	4.0	NA	± 20 %	Average RF
Chloromethane	50.0	54.0	0.7292	0.7870	7.9	NA	± 20 %	Average RF
Dibromochloromethane	50.0	52.5	0.3318	0.3481	4.9	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	45.8	1.560	1.430	-8.3	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	47.7	1.538	1.468	-4.6	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	45.8	1.624	1.487	-8.4	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.1	0.9660	1.046	8.2	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	52.8	0.5302	0.5598	5.6	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	49.6	0.4609	0.4574	-0.8	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	52.0	0.4929	0.5126	4.0	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	51.0	0.5493	0.5597	1.9	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	53.7	0.3707	0.3980	7.3	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	54.9	0.5039	0.5531	9.8	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	53.1	0.4563	0.4848	6.3	NA	± 20 %	Average RF
Ethylbenzene	50.0	49.2	0.5533	0.5449	-1.5	NA	± 20 %	Average RF
Methylene Chloride	50.0	49.5	0.5377	0.5320	-1.1	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.5	0.9501	0.9601	1.1	NA	± 20 %	Average RF
Toluene	50.0	50.8	1.433	1.457	1.7	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	49.2	0.7469	0.7347	-1.6	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	49.5	0.3169	0.3138	-1.0	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	46.4	0.3110	0.2886	-7.2	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	47.0	0.3480	0.3272	-6.0	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	46.9	0.8136	0.7626	-6.3	NA	± 20 %	Average RF
Vinyl Chloride	50.0	48.8	0.7238	0.7069	-2.3	NA	± 20 %	Average RF
m,p-Xylenes	100	101	0.6878	0.6921	0.6	NA	± 20 %	Average RF
o-Xylene	50.0	48.5	0.6841	0.6635	-3.0	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	52.4	0.5250	0.5497	4.7	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	49.4	0.3369	0.3328	-1.2	NA	± 20 %	Average RF
Toluene-d8	50.0	50.6	1.366	1.382	1.2	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394
Date Analyzed: 10/ 2/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\100218\D6303.D\

Calibration Date: 8/21/18
Calibration ID: RC1800095
Analysis Lot: 609204
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	53.6	1.333	1.429	7.2	NA	± 20 %	Average RF
Bromodichloromethane	50.0	57.0	0.4109	0.4686	14.1	NA	± 20 %	Average RF
Bromoform	50.0	58.4	NA	NA	NA	16.9	± 20 %	Quadratic
Bromomethane	50.0	36.0	NA	NA	NA	-28.0 *	± 20 %	Quadratic
Carbon Tetrachloride	50.0	56.3	0.3690	0.4154	12.6	NA	± 20 %	Average RF
Chlorobenzene	50.0	50.9	1.057	1.076	1.9	NA	± 20 %	Average RF
Chloroethane	50.0	47.6	0.4524	0.4310	-4.7	NA	± 20 %	Average RF
2-Chloroethyl Vinyl Ether	50.0	46.8	0.2002	0.1873	-6.4	NA	± 20 %	Average RF
Chloroform	50.0	53.1	0.8846	0.9401	6.3	NA	± 20 %	Average RF
Chloromethane	50.0	55.4	0.7292	0.8075	10.7	NA	± 20 %	Average RF
Dibromochloromethane	50.0	56.0	0.3318	0.3716	12.0	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	50.8	1.560	1.586	1.7	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	52.4	1.538	1.613	4.8	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	49.3	1.624	1.601	-1.4	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	54.0	0.9660	1.043	8.0	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	55.1	0.5302	0.5841	10.2	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	50.2	0.4609	0.4631	0.5	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	50.6	0.4929	0.4991	1.3	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	50.9	0.5493	0.5596	1.9	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	54.7	0.3707	0.4052	9.3	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	58.2	0.5039	0.5869	16.5	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	55.4	0.4563	0.5056	10.8	NA	± 20 %	Average RF
Ethylbenzene	50.0	53.1	0.5533	0.5875	6.2	NA	± 20 %	Average RF
Methylene Chloride	50.0	49.7	0.5377	0.5349	-0.5	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	55.2	0.9501	1.049	10.4	NA	± 20 %	Average RF
Toluene	50.0	53.1	1.433	1.521	6.2	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	51.2	0.7469	0.7646	2.4	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	51.0	0.3169	0.3232	2.0	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	52.1	0.3110	0.3242	4.3	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	49.5	0.3480	0.3448	-0.9	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	45.7	0.8136	0.7435	-8.6	NA	± 20 %	Average RF
Vinyl Chloride	50.0	49.6	0.7238	0.7174	-0.9	NA	± 20 %	Average RF
m,p-Xylenes	100	105	0.6878	0.7245	5.3	NA	± 20 %	Average RF
o-Xylene	50.0	51.9	0.6841	0.7104	3.8	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	48.3	0.5250	0.5068	-3.5	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	49.8	0.3369	0.3356	-0.4	NA	± 20 %	Average RF
Toluene-d8	50.0	48.0	1.366	1.311	-4.0	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394
Date Analyzed: 10/1/18 09:34

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\100118\D6270.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1810457-02
Analysis Lot: 608969
Signal ID: 1

	Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	287,167	9.80	317,967	6.49	165,605	11.85
Upper Limit ==>	574,334	10.30	635,934	6.99	331,210	12.35
Lower Limit ==>	143,584	9.30	158,984	5.99	82,803	11.35
ICAL Result ==>	296,761	9.80	332,592	6.49	169,209	11.85

Associated Analyses

Lab Control Sample	RQ1810457-04	276,128	9.80	316,423	6.49	152,069	11.85
Duplicate Lab Control Sample	RQ1810457-05	279,163	9.80	318,829	6.49	151,500	11.85
Method Blank	RQ1810457-06	246,795	9.80	278,084	6.49	123,085	11.85
EQUIPMENT BLANK-01 2018 Q3	R1809394-010	251,271	9.80	289,630	6.49	125,496	11.85
TRIP BLANK-01 2018 Q3	R1809394-011	258,526	9.80	293,259	6.49	127,453	11.85
W-2 2018 Q3	R1809394-001	249,757	9.80	286,197	6.49	124,085	11.85
U-6D 2018 Q3	R1809394-002	246,053	9.80	281,519	6.49	123,125	11.85
OW-1 2018 Q3	R1809394-005	241,976	9.80	281,600	6.49	122,505	11.85
OW-2 2018 Q3	R1809394-006	243,625	9.80	276,984	6.49	123,076	11.85
RI-6 2018 Q3	R1809394-008	248,543	9.80	283,514	6.49	122,178	11.85
OS-6 2018 Q3	R1809394-015	260,554	9.80	291,093	6.49	126,860	11.85
OS-6R 2018 Q3	R1809394-016	249,321	9.80	281,093	6.49	122,400	11.85
OS-9 2018 Q3	R1809394-019	259,294	9.80	296,279	6.49	126,706	11.85
PW-2 2018 Q3	R1809394-007	255,309	9.80	292,390	6.49	127,527	11.85
OW-2 2018 Q3MS	RQ1810457-07	283,726	9.80	314,307	6.49	154,963	11.85
OW-2 2018 Q3DMS	RQ1810457-08	277,577	9.80	318,715	6.49	155,931	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394
Date Analyzed: 10/1/18 09:34

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\100118\D6270.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1810457-02
Analysis Lot: 608969
Signal ID: 1

Pentafluorobenzene		
	<u>Area</u>	<u>RT</u>
Results ==>	207,503	5.39
Upper Limit ==>	415,006	5.89
Lower Limit ==>	103,752	4.89
ICAL Result ==>	216,920	5.40

Associated Analyses

Lab Control Sample	RQ1810457-04	199,562	5.39
Duplicate Lab Control Sample	RQ1810457-05	205,351	5.39
Method Blank	RQ1810457-06	177,629	5.39
EQUIPMENT BLANK-01 2018 Q3	R1809394-010	184,697	5.38
TRIP BLANK-01 2018 Q3	R1809394-011	186,973	5.39
W-2 2018 Q3	R1809394-001	184,479	5.39
U-6D 2018 Q3	R1809394-002	179,128	5.39
OW-1 2018 Q3	R1809394-005	179,160	5.40
OW-2 2018 Q3	R1809394-006	171,406	5.39
RI-6 2018 Q3	R1809394-008	175,528	5.39
OS-6 2018 Q3	R1809394-015	185,870	5.39
OS-6R 2018 Q3	R1809394-016	176,808	5.39
OS-9 2018 Q3	R1809394-019	187,191	5.39
PW-2 2018 Q3	R1809394-007	187,299	5.39
OW-2 2018 Q3MS	RQ1810457-07	200,043	5.39
OW-2 2018 Q3DMS	RQ1810457-08	204,870	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394
Date Analyzed: 10/2/18 11:41

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUADATA\msvoa10\data\100218\D6303.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1810578-02
Analysis Lot: 609204
Signal ID: 1

	Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	278,264	9.80	310,745	6.49	153,707	11.85
Upper Limit ==>	556,528	10.30	621,490	6.99	307,414	12.35
Lower Limit ==>	139,132	9.30	155,373	5.99	76,854	11.35
ICAL Result ==>	296,761	9.80	332,592	6.49	169,209	11.85

Associated Analyses

Lab Control Sample	RQ1810578-04	274,006	9.80	313,031	6.49	155,008	11.85
Method Blank	RQ1810578-05	254,489	9.80	283,051	6.49	128,933	11.85
TRIP BLANK-02 2018 Q3	R1809394-028	258,554	9.80	296,157	6.49	134,017	11.85
OS-2R 2018 Q3	R1809394-012	257,331	9.80	297,314	6.49	133,701	11.85
OS-5R 2018 Q3	R1809394-013	262,042	9.80	301,147	6.49	132,934	11.85
OS-5D 2018 Q3	R1809394-014	255,014	9.80	288,083	6.49	129,857	11.85
OS-7R 2018 Q3	R1809394-017	258,433	9.80	293,924	6.49	133,254	11.85
OS-7D 2018 Q3	R1809394-018	253,605	9.80	287,585	6.49	128,365	11.85
OS-9R 2018 Q3	R1809394-020	259,890	9.80	296,017	6.49	130,420	11.85
OS-11R 2018 Q3	R1809394-021	251,987	9.80	283,779	6.49	125,722	11.85
OS-11D 2018 Q3	R1809394-022	251,804	9.80	288,116	6.49	131,148	11.85
OS-12R 2018 Q3	R1809394-023	259,405	9.80	295,527	6.49	129,912	11.85
OS-15R 2018 Q3	R1809394-024	258,683	9.80	297,449	6.49	127,739	11.85
OS-15D 2018 Q3	R1809394-025	256,922	9.80	287,873	6.49	127,241	11.85
DUP-02 2018 Q3	R1809394-026	251,490	9.80	287,105	6.49	129,101	11.85
PW-2 2018 Q3	R1809394-007	246,902	9.80	279,492	6.49	127,002	11.85
DUP-01 2018 Q3	R1809394-009	256,851	9.80	288,044	6.49	128,058	11.85
DUP-01 2018 Q3	R1809394-009	252,251	9.80	289,528	6.49	127,434	11.85
OS-5D 2018 Q3MS	RQ1810578-06	271,641	9.80	296,534	6.49	150,144	11.85
OS-5D 2018 Q3DMS	RQ1810578-07	292,000	9.80	323,032	6.49	159,339	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00

Service Request: R1809394
Date Analyzed: 10/2/18 11:41

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\100218\D6303.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1810578-02
Analysis Lot: 609204
Signal ID: 1

Pentafluorobenzene		
	<u>Area</u>	<u>RT</u>
Results ==>	208,240	5.39
Upper Limit ==>	416,480	5.89
Lower Limit ==>	104,120	4.89
ICAL Result ==>	216,920	5.40

Associated Analyses

Lab Control Sample	RQ1810578-04	207,897	5.39
Method Blank	RQ1810578-05	186,814	5.39
TRIP BLANK-02 2018 Q3	R1809394-028	198,406	5.39
OS-2R 2018 Q3	R1809394-012	195,812	5.39
OS-5R 2018 Q3	R1809394-013	199,528	5.39
OS-5D 2018 Q3	R1809394-014	191,705	5.39
OS-7R 2018 Q3	R1809394-017	197,066	5.39
OS-7D 2018 Q3	R1809394-018	187,653	5.39
OS-9R 2018 Q3	R1809394-020	195,192	5.39
OS-11R 2018 Q3	R1809394-021	186,818	5.39
OS-11D 2018 Q3	R1809394-022	191,170	5.39
OS-12R 2018 Q3	R1809394-023	199,836	5.39
OS-15R 2018 Q3	R1809394-024	195,549	5.39
OS-15D 2018 Q3	R1809394-025	190,680	5.39
DUP-02 2018 Q3	R1809394-026	184,386	5.39
PW-2 2018 Q3	R1809394-007	186,981	5.40
DUP-01 2018 Q3	R1809394-009	191,981	5.39
DUP-01 2018 Q3	R1809394-009	192,475	5.39
OS-5D 2018 Q3MS	RQ1810578-06	200,485	5.39
OS-5D 2018 Q3DMS	RQ1810578-07	219,569	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394

SURROGATE RECOVERY SUMMARY
Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Extraction Method: EPA 3510C

Sample Name	Lab Code	o-Terphenyl
		18-152
W-2 2018 Q3	R1809394-001	65
PW-2 2018 Q3	R1809394-007	78
DUP-01 2018 Q3	R1809394-009	73
EQUIPMENT BLANK-01 2018 Q3	R1809394-010	87
Method Blank	RQ1810454-01	72
Lab Control Sample	RQ1810454-02	72
Duplicate Lab Control Sample	RQ1810454-03	74

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1810454-01

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	10/04/18 13:44	10/2/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	72	18 - 152	10/04/18 13:44	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt Wells/461-00-00
Sample Matrix: Water

Service Request: R1809394
Date Analyzed: 10/04/18

Duplicate Lab Control Sample Summary
Hydrocarbon Scan by GC-FID

Units:ug/L
Basis:NA

Lab Control Sample					Duplicate Lab Control Sample					
RQ1810454-02					RQ1810454-03					
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Mineral Spirits	8015C	213	499	43	193	499	39	10-136	10	30



BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FOURTH QUARTER

LABORATORY ANALYTICAL REPORT



December 27, 2018

Service Request No: R1812124

Mr. Elliott Duffney
Xerox Corporation USA
800 Phillips Road
Bldg #205-99F
Webster, NY 14580

Laboratory Results for: Blauvelt

Dear Mr. Duffney,

Enclosed are the results of the sample(s) submitted to our laboratory December 14, 2018
For your reference, these analyses have been assigned our service request number **R1812124**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jim Marschner

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE 1 585 288 5380 FAX 1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Xerox Corporation USA
Project: Blauvelt
Sample Matrix: Water

Service Request: R1812124
Date Received: 12/14/2018 - 12/15/2018

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt:

Twenty six water samples were received for analysis at ALS Environmental on 12/14/2018 - 12/15/2018. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 0 to 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature. If any samples were received for the analysis of pH, chlorine residual, sulfite, dissolved oxygen, or ferrous iron, the samples were analyzed past their holding time expiration since these analyses are required to be analyzed within 15 minutes of sampling.

Semivolatile GC:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 12/18/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8260C, 12/17/2018: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

A handwritten signature in black ink, appearing to read "J. Amato".

Approved by _____

Date 12/27/2018

ALS Group USA, Corp. dba ALS Environmental

Total Target Volatiles Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Analytical Method: 8260C

Service Request: R1812124
Date Reported: 12/28/18
Units: µg/L

Client Sample ID	Total Target Volatiles
MW-12 2018 4Q	670.0
W-2 2018 4Q	ND
PW-2 2018 4Q	194.0
DUP-01 2018 4Q	194.0
EQUIPMENT BLANK-01 2018 4Q	ND
OW-2 2018 4Q	9.7
OW-1 2018 4Q	9.3
RI-6 2018 4Q	ND
U-6D 2018 4Q	ND
OS-9 2018 4Q	ND
OS-9R 2018 4Q	ND
OS-12R 2018 4Q	ND
OS-15R 2018 4Q	ND
OS-15D 2018 4Q	ND
TRIP BLANK 2018 4Q	ND
OS-7R 2018 4Q	ND
OS-7D 2018 4Q	ND
OS-11R 2018 4Q	11.5
OS-11D 2018 4Q	ND
OS-6 2018 4Q	ND
OS-6R 2018 4Q	45.0
OS-5R 2018 4Q	ND
OS-5D 2018 4Q	ND
OS-2R 2018 4Q	ND
TRIP BLANK 2 2018 4Q	ND
DUP-02 2018 4Q	ND

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-12 2018 4Q				Lab ID: R1812124-001		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	670		1.3	25	ug/L	8260C
Total Target Volatiles (TTV)	670.0			25.0	ug/L	8260C
CLIENT ID: PW-2 2018 4Q				Lab ID: R1812124-003		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	180		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	14		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	194.0			5.0	ug/L	8260C
CLIENT ID: DUP-01 2018 4Q				Lab ID: R1812124-004		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	180		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	14		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	194.0			5.0	ug/L	8260C
CLIENT ID: OW-2 2018 4Q				Lab ID: R1812124-006		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	9.7		0.26	5.0	ug/L	8260C
Total Target Volatiles (TTV)	9.7			5.0	ug/L	8260C
CLIENT ID: OW-1 2018 4Q				Lab ID: R1812124-007		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	9.3		0.26	5.0	ug/L	8260C
Total Target Volatiles (TTV)	9.3			5.0	ug/L	8260C
CLIENT ID: OS-11R 2018 4Q				Lab ID: R1812124-018		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	5.2		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	6.3		0.28	5.0	ug/L	8260C
Total Target Volatiles (TTV)	11.5			5.0	ug/L	8260C
CLIENT ID: OS-6R 2018 4Q				Lab ID: R1812124-021		
Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	15		0.26	5.0	ug/L	8260C
Tetrachloroethene (PCE)	17		0.28	5.0	ug/L	8260C
Trichloroethene (TCE)	13		0.20	5.0	ug/L	8260C
Total Target Volatiles (TTV)	45.0			5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request:R1812124

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1812124-001	MW-12 2018 4	12/13/2018	0710
R1812124-002	W-2 2018 4	12/13/2018	0735
R1812124-003	PW-2 2018 4	12/13/2018	0800
R1812124-004	DUP-01 2018 4	12/13/2018	0805
R1812124-005	E UIPMENT BLANK-01 2018 4	12/13/2018	0810
R1812124-006	OW-2 2018 4	12/13/2018	0845
R1812124-007	OW-1 2018 4	12/13/2018	0940
R1812124-008	RI-6 2018 4	12/13/2018	1000
R1812124-009	U-6D 2018 4	12/13/2018	1030
R1812124-010	OS-9 2018 4	12/13/2018	1100
R1812124-011	OS-9R 2018 4	12/13/2018	1110
R1812124-012	OS-12R 2018 4	12/13/2018	1130
R1812124-013	OS-15R 2018 4	12/13/2018	1205
R1812124-014	OS-15D 2018 4	12/13/2018	1300
R1812124-015	TRIP BLANK 2018 4	12/13/2018	0705
R1812124-016	OS-7R 2018 4	12/14/2018	0700
R1812124-017	OS-7D 2018 4	12/14/2018	0735
R1812124-018	OS-11R 2018 4	12/14/2018	0810
R1812124-019	OS-11D 2018 4	12/14/2018	0830
R1812124-020	OS-6 2018 4	12/14/2018	0855
R1812124-021	OS-6R 2018 4	12/14/2018	0915
R1812124-022	OS-5R 2018 4	12/14/2018	0940
R1812124-023	OS-5D 2018 4	12/14/2018	1015
R1812124-024	OS-2R 2018 4	12/14/2018	1045
R1812124-025	TRIP BLANK 2 2018 4	12/14/2018	0655
R1812124-026	DUP-02 2018 4	12/14/2018	0945



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

54530

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PAGE 1 OF 2

Project Name Blauvelt		Project Number 961-00-00		ANALYSIS REQUESTED (Include Method Number and Container Preservative)													
Project Manager Marc Colantuono		Report OC		PRESERVATIVE 0													
Company/Address Ground Water Investigations 18 Bridge Street Montgomery NY 12549				NUMBER OF CONTAINERS	PCMS VOAs • 8200 • 822 • CLP GCMS SVOAs • 8270 • 825 GC VOAs • 8071 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below) 8015	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____											
Phone 845-457-9955		Email Mcolantuono@HUKRBC.com				REMARKS/ ALTERNATE DESCRIPTION											
Sample's Signature Marc Colantuono		Sampler's Printed Name Marc Colantuono															
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX												
MW-12		12/10/18	7:10	GW	3												
W-2		12/13/18	7:35	GW	W												
PW-2		12/13/18	8:00	GW	W												
DUP-01		12/13/18	8:05	GW	W												
EB-01		12/13/18	8:10	DI	W												
GW-2		12/13/18	8:45	GW	W												
OW-1		12/13/18	9:40	GW	W												
RI-6		12/13/18	10:00	GW	W												
U6-D		12/13/18	10:30	GW	W												
OS-9		12/13/18	11:00	GW	W												
OS-9R		12/13/18	11:10	GW	W												
SPECIAL INSTRUCTIONS/COMMENTS Metals						TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE Standard			REPORT REQUIREMENTS ☒ I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No			INVOICE INFORMATION PO # BILL TO:					
STATE WHERE SAMPLES WERE COLLECTED New York																	
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature Marc Colantuono		Signature Shay Lufkin		Signature		Signature		Signature		Signature		Signature					
Printed Name Marc Colantuono		Printed Name Shay Lufkin		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name					
Firm GWIS		Firm ALS		Firm		Firm		Firm		Firm		Firm					
Date/Time 12/13/18 2:00		Date/Time 12/14/18 0910		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time					





CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE

2

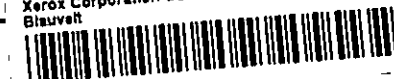
OF

2

Project Name Blauvelt		Project Number 461-20-20		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Mark Colantuono		Report CC		PRESERVATIVE 0																	
Company/Address Ground Water Investigations 18 Bridge Street MONTGOMERY AVE 12549		Email mcolantuono@HVC.PR.com		NUMBER OF CONTAINERS		GC/MS VOAs • 8060 • 821 • CLP GC/MS SVOAs • 8270 • 825 GC VOAs • 8021 • 801/802 PESTICIDES • 8081 • 808 PCBs • 8082 • 808 METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)															
Phone # 845-457-9955		Sampler's Signature Mark Colantuono		Sampler's Printed Name Mark Colantuono		Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION															
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX																
OS-12R		12/13/18	11:30	GW	3																
OS-15R		12/13/18	12:05	GW	3																
OS-15D		12/13/18	100	GW	3																
TB-01		12/13/18	7:05	DI	3																
SPECIAL INSTRUCTIONS/COMMENTS Metals						TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ____ Standard (10 business days-No Surcharge) REQUESTED REPORT DATE Standard						REPORT REQUIREMENTS ☒ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No						INVOICE INFORMATION PO # BILL TO:			
STATE WHERE SAMPLES WERE COLLECTED New York																					
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY							
Signature Mark Colantuono		Signature Sherry L. Fox		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name Mark Colantuono		Printed Name Sherry L. Fox		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm GW		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time 12/13/18 2:00		Date/Time 12/14/18 0910		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							

R1812124
Xerox Corporation USA
Blauvelt

5





Cooler Receipt and Preservation Check Form

R1812124

5

Xerox Corporation USA
BlauveltProject/Client GWE Folder Number _____Cooler received on 12/14/18 by: QCOURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<u>(Y)</u> N
2	Custody papers properly completed (ink, signed)?	<u>(Y)</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>(Y)</u> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<u>(Y)</u> N

5a	Perchlorate samples have required headspace?	Y N <u>(NA)</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<u>(Y)</u> N NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>(NA)</u>

8. Temperature Readings Date: 12/14/18 Time: 0940 ID: IR#7 (IR#10) From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>5.6</u>						
Correction Factor (°C)	<u>-</u>						
Corrected Temp (°C)	<u>5.6</u>						
Temp from: Type of bottle	<u>-</u>						
Within 0-6°C?	<u>(Y)</u> N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
 & Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by Q on 12/14/18 at 0945
 5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 12/14/18 Time: 1800 by: Q

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
 10. Did all bottle labels and tags agree with custody papers? YES NO
 11. Were correct containers used for the tests indicated? YES NO
 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
 13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH	Yes	No						
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
 Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-039-04, 8-039-001, 107218-10X

Explain all Discrepancies/ Other Comments:

headspace: 1 inch TB

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: QPC Secondary Review: Q 12/18/18 Significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 1 OF 1

Project Name Blauvelt		Project Number 461-00-00		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																		
Project Manager Mark Colantuono		Report CC		PRESERVATIVE 0																		
Company/Address Mark Colantuono - GWT 18 Bridge Street Montgomery NY 12549		Email mcolantuono@hvsrr.com		Preservative Key 0. NONE 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO₄ 8. Other _____ REMARKS/ ALTERNATE DESCRIPTION																		
Phone # 845-457-4455		Sampler's Signature Mark Colantuono																Sampler's Printed Name Mark Colantuono				
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID	SAMPLING DATE		TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOCs • 8260 • 821 • CLP GC/MS SVOCs • 8270 • 825 GC VOCs • 8021 • 801/802 PESTICIDES • 8061 • 806 PCBs • 8082 • 808 * METALS, TOTAL (List in comments below) METALS, DISSOLVED (List in comments below)														
OS-7R			12/14/18		7:00	GW	2	3														
OS-7D			12/14/18		7:35	GW	2	3														
OS-11R			12/14/18		8:10	GW	3	3														
OS-11D			12/14/18		8:30	GW	3	3														
OS-6			12/14/18		8:55	GW	6	6	QA/QC													
OS-6R			12/14/18		9:15	GW	3	3														
OS-5R			12/14/18		9:40	GW	3	3														
OS-5D			12/14/18		10:15	GW	3	3														
OS-2R			12/14/18		10:45	GW	3	3														
TB-02			12/14/18		6:55	DT	2	2														
Dup-02			12/14/18		9:45	GW	2	2														
SPECIAL INSTRUCTIONS/COMMENTS Metals							TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ____ 1 day ____ 2 day ____ 3 day ____ 4 day ____ 5 day ____ Standard (10 business days-No Surcharge) REQUESTED REPORT DATE Standard				REPORT REQUIREMENTS ☒ I. Results Only ____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data Edata ____ Yes ____ No				INVOICE INFORMATION PO # BILL TO:							
STATE WHERE SAMPLES WERE COLLECTED New York																						
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY								
Signature Mark Colantuono		Signature Spencer Ward		Signature		Signature		Signature		Signature		Signature		Signature								
Printed Name Mark Colantuono		Printed Name Spencer Ward		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name								
Firm GWT		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm								
Date/Time 12/14/18 8:00		Date/Time 12/15/18/0900		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time								

R1812124
Xerox Corporation USA
Blauvelt

5





Cooler Receipt and Preservation Check Form

R1812124

Xerox Corporation USA
Blauvelt

5

Project/Client GWI Folder Number _____Cooler received on 12/15/18by: dmCOURIER: ALS UPS ~~FEDEX~~ VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	☒ N
2	Custody papers properly completed (ink, signed)?	☒ N
3	Did all bottles arrive in good condition (unbroken)?	☒ N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	☒ N

5a	Perchlorate samples have required headspace?	Y N ☒ NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y ☒ NA
6	Where did the bottles originate?	ALS ~~ROC~~ CLIENT
7	Soil VOA received as:	Bulk Encore 5035set ☒ NA

8. Temperature Readings Date: 12/15/18 Time: 0936 ID: IR#7 ~~IR#10~~ From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>11.2</u>						
Correction Factor (°C)	<u>+0.4</u>						
Corrected Temp (°C)	<u>11.6</u>						
Temp from: Type of bottle	<u>Cent. tube</u>						
Within 0-6°C?	☒ N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by dm on 12/15/18 at 0936

5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 12/17/18 Time: 1555 by: dm

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis.
Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 8-0391-001

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: dmPC Secondary Review: dm 12/18/18 significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OW-1	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 9:40 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	16.75	☒ From inner casing	☐ From protective casing		
Bottom Depth	35.31	☐ From inner casing	☒ From protective casing		
Statische Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		2.97	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal.	Number of Bails			
Volume Purged (gal)	8.00	Well Volumes		2.69	
Time Purge Complete		Well evacuated?		☐ Yes	☒ No

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~30.00				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.75	pH (SU)		pH (SU)	
temp @	12.3	temp @		temp @	
Cond (us/cm)	437	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	252	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	103.8	eH/ORP		eH/ORP	
Comments/Remarks	Orange (floc); no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OW-2	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 8:45 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	14.63	☐ From inner casing	☒ From protective casing		
Bottom Depth	32.86	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		2.92	
Well Condition	Good				

MONITORING WELL PURGE DATA					
	☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer	
	☐ Poly bailer	☐ Teflon bailer	☐ Other		
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	8.78	Well Volumes		3.01	
Time Purge Complete		Well evacuated?		☐ Yes ☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~30.00				
Sample containers	3-40 ml VOA vials, 2-250 ml plas., 2-250 ml ambers				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.92	pH (SU)		pH (SU)	
temp @	8.4	temp @		temp @	
Cond (us/cm)	609	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	80.7	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	87.3	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	PW-2/DUP-01/EB-01	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 8:00 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	3"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	14.9	☐ From inner casing	☒ From protective casing		
Bottom Depth	20.25	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.37	Water Volume in Well (in gallons)		1.98	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	6.00	Well Volumes		3.03	
Time Purge Complete		Well evacuated?		☒ Yes	☐ No

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~18				
Sample containers	3-40 ml VOA vials, 2-1L ambers (Method 8260/8015)				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.45	pH (SU)		pH (SU)	
temp @	9.9	temp @		temp @	
Cond (us/cm)	684	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	67.6	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	99.8	eH/ORP		eH/ORP	
Comments/Remarks	Turbid, no odor, no sheen				
	DUP-01 collected at 8:05				
	EB-01 collected at 8:10				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	W-2	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 7:35 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	7.12	☐ From inner casing	☒ From protective casing		
Bottom Depth	14	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		1.10	
Well Condition	OK				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	1.00	Well Volumes		0.91	
Time Purge Complete		Well evacuated?		☒ Yes ☐ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~13.5				
Sample containers	3-40 ml VOA vials, 0.5-1L ambers (Method 8260/8015)				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	-	pH (SU)	pH (SU)	pH (SU)	pH (SU)
temp @	-	temp @	temp @	temp @	temp @
Cond (us/cm)	-	Cond (us/cm)	Cond (us/cm)	Cond (us/cm)	Cond (us/cm)
Turb (NTU)	-	Turb (NTU)	Turb (NTU)	Turb (NTU)	Turb (NTU)
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)	Diss. O2 (mg/l)	Diss. O2 (mg/l)	Diss. O2 (mg/l)
eH/ORP	-	eH/ORP	eH/ORP	eH/ORP	eH/ORP
Comments/Remarks	Short purge due to no recovery				
	No readings				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	MW-12	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 7:10 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	13.65	☒ From inner casing	☐ From protective casing		
Bottom Depth	14.45	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		0.13	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	0.25	Well Volumes		1.95	
Time Purge Complete		Well evacuated?	☒ Yes	☐ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)					
Sample containers	3-40 ml VOA vials, 1-1L ambers (Method 8260/8015)				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	-	pH (SU)		pH (SU)	
temp @	-	temp @		temp @	
Cond (us/cm)	-	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	-	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	-	eH/ORP		eH/ORP	
Comments/Remarks	Short purge due to no recovery				
	No readings				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	MW-13	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/2018 -
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	15.6	☒ From inner casing	☐ From protective casing		
Bottom Depth	15.6	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)			0.00
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☐ PVC Bailer		
☒ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate	4 bails/gal	Elapsed Time			
Bail Volume		Number of Bails			
Volume Purged (gal)	0.00	Well Volumes	0.00		
Time Purge Complete		Well evacuated?	☒ Yes	☐ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☐ PVC bailer	☒ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)					
Sample containers	3-40 ml VOA vials, 2-1L ambers (Method 8260/8015)				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	-	pH (SU)		pH (SU)	
temp @	-	temp @		temp @	
Cond (us/cm)	-	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	-	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	-	eH/ORP		eH/ORP	
Comments/Remarks	Well was dry				
	No readings				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	RI-6	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 10:00 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	12.41	☒ From inner casing	☐ From protective casing		
Bottom Depth	23.6	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)			1.79
Well Condition	Poor				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	5.50	Well Volumes	3.07		
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)	~20				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	6.86	pH (SU)		pH (SU)	
temp @	10.5	temp @		temp @	
Cond (us/cm)	490	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	39.7	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	978	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	U6-D	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 10:30 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	
SAMPLE TYPE					
☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment	
☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas	
☐ Other					
MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	5.5	☒ From inner casing	☐ From protective casing		
Bottom Depth	26.21	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)			3.31
Well Condition	Good				
MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	8.00	Well Volumes	2.41		
Time Purge Complete		Well evacuated?	☒ Yes	☐ No	
SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)	~20				
Sample containers	3-40 ml VOA vials, 2-250 ml plas., 2-250 ml ambers				
PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.57	pH (SU)		pH (SU)	
temp @	9.3	temp @		temp @	
Cond (us/cm)	459	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	15.3	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	63.8	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-2R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 10:45 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	17.7	☐ From inner casing	☒ From protective casing		
Bottom Depth	46.38	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		4.59	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	14.00	Well Volumes	3.05		
Time Purge Complete		Well evacuated?	☒ Yes	☐ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)	~45				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.88	pH (SU)		pH (SU)	
temp @	10.3	temp @		temp @	
Cond (us/cm)	468	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	13.8	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	23.8	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-5R/DUP-02	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 9:40 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	10.02	☐ From inner casing	☒ From protective casing		
Bottom Depth	38.3	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		4.52	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal.	Number of Bails			
Volume Purged (gal)	13.75	Well Volumes	3.04		
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)	~36				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.63	pH (SU)		pH (SU)	
temp @	10.6	temp @		temp @	
Cond (us/cm)	490	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	10	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	4.87	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				
	DUP-02 collected at 9:45				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-5D	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 10:15 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	4"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	14.45	☒ From inner casing	☐ From protective casing		
Bottom Depth	64.55	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.65	Water Volume in Well (in gallons)		32.57	
Well Condition	Good				

MONITORING WELL PURGE DATA					
	☒ Submersible	☐ Peristaltic pump	☐ Suction pump	☐ PVC Bailer	
	☐ Poly bailer	☐ Teflon bailer	☐ Other		
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate	3 gpm	Elapsed Time			
Bail Volume		Number of Bails			
Volume Purged (gal)	100.00	Well Volumes		3.07	
Time Purge Complete		Well evacuated?		☐ Yes ☒ No	

SAMPLING DATA					
☒ Peristaltic pump	☐ Hand corer	☐ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~70				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.81	pH (SU)		pH (SU)	
temp @	11.2	temp @		temp @	
Cond (us/cm)	390	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	3.3	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	71.8	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-6	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 8:55 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	11.5	☒ From inner casing	☐ From protective casing		
Bottom Depth	23.65	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		1.94	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	6.00	Well Volumes		3.09	
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~20				
Sample containers	3-40 ml VOA vials, 2-250 ml plas., 2-250 ml ambers				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.67	pH (SU)		pH (SU)	
temp @	8.8	temp @		temp @	
Cond (us/cm)	430	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	246	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	79.1	eH/ORP		eH/ORP	
Comments/Remarks	Turbid (orange), no odor, no sheen 6 VOA's, QA/QC				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-6R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 9:15 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's		Observer		

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	14	☒ From inner casing	☐ From protective casing		
Bottom Depth	43.3	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		4.69	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	14.25	Well Volumes		3.04	
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~43				
Sample containers	3-40 ml VOA vials, 2-250 ml plas., 2-250 ml ambers				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.85	pH (SU)		pH (SU)	
temp @	10.6	temp @		temp @	
Cond (us/cm)	564	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	53.2	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	36.1	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-7R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 7:00 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	12.41	☒ From inner casing	☐ From protective casing		
Bottom Depth	36.5	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)			3.85
Well Condition	Good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	11.75	Well Volumes	3.05		
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)	~30				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.61	pH (SU)		pH (SU)	
temp @	10.7	temp @		temp @	
Cond (us/cm)	688	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	5.36	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	98.7	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-7D	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 7:35 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	4"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	9.2	☒ From inner casing	☐ From protective casing		
Bottom Depth	68.01	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.65	Water Volume in Well (in gallons)		38.23	
Well Condition	Good				

MONITORING WELL PURGE DATA					
☒ Submersible	☐ Peristaltic pump	☐ Suction pump	☐ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate	3 gpm	Elapsed Time			
Bail Volume		Number of Bails			
Volume Purged (gal)	114.75	Well Volumes		3.00	
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	

SAMPLING DATA					
☒ Peristaltic pump	☐ Hand corer	☐ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~65				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	8.12	pH (SU)		pH (SU)	
temp @	9	temp @		temp @	
Cond (us/cm)	495	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	13	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	68.4	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-9	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 11:00 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	3.7	☒ From inner casing	☐ From protective casing		
Bottom Depth	26.49	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		3.65	
Well Condition	Poor				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	11.00	Well Volumes		3.02	
Time Purge Complete		Well evacuated?		☐ Yes ☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~10				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	8.82	pH (SU)		pH (SU)	
temp @	7.7	temp @		temp @	
Cond (us/cm)	683	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	3.99	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	1048	eH/ORP		eH/ORP	
Comments/Remarks	Clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-9R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 11:10 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	38.73	☒ From inner casing	☐ From protective casing		
Bottom Depth	43.8	☒ From inner casing	☐ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)			0.81
Well Condition	lock added				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?	☐ Yes	☒ No			
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	2.00	Well Volumes	2.47		
Time Purge Complete		Well evacuated?	☒ Yes	☐ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?	☐ Yes	☒ No			
Metals field filtered?	☐ Yes	☒ No			
Depth of sample (ft.)	~43				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	10.01	pH (SU)		pH (SU)	
temp @	9.8	temp @		temp @	
Cond (us/cm)	781	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	4.92	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	118.7	eH/ORP		eH/ORP	
Comments/Remarks	dry				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-11R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 8:10 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	
SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				
MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	21.68	☒ From inner casing	☐ From protective casing		
Bottom Depth	44.6	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		3.67	
Well Condition	good				
MONITORING WELL PURGE DATA					
	☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer	
	☐ Poly bailer	☐ Teflon bailer	☐ Other		
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	11.00	Well Volumes		3.00	
Time Purge Complete		Well evacuated?	☐ Yes	☒ No	
SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~35				
Sample containers	3-40 ml VOA vials				
PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.8	pH (SU)		pH (SU)	
temp @	9.4	temp @		temp @	
Cond (us/cm)	641	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	7.64	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	1038	eH/ORP		eH/ORP	
Comments/Remarks	clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-11D	Project Location	Blauvelt - Xerox	Sample Date/Time	12/14/18 8:30 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	calm overcast; 40's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	4"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	20.22	☒ From inner casing	☐ From protective casing		
Bottom Depth	75.5	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.65	Water Volume in Well (in gallons)		35.93	
Well Condition	good				

MONITORING WELL PURGE DATA					
	☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer	
	☐ Poly bailer	☐ Teflon bailer	☐ Other		
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	110.00	Well Volumes		3.06	
Time Purge Complete		Well evacuated?		☐ Yes	☒ No

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~70				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	8.18	pH (SU)		pH (SU)	
temp @	2.17	temp @		temp @	
Cond (us/cm)	379	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	10.4	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	98.3	eH/ORP		eH/ORP	
Comments/Remarks	clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-12R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 11:30 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	
SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				
MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	9.5	☒ From inner casing	☐ From protective casing		
Bottom Depth	33.05	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		3.77	
Well Condition	good				
MONITORING WELL PURGE DATA					
	☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer	
	☐ Poly bailer	☐ Teflon bailer	☐ Other		
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal.	Number of Bails			
Volume Purged (gal)	7.90	Well Volumes		2.10	
Time Purge Complete		Well evacuated?		☒ Yes	☐ No
SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~32				
Sample containers	3-40 ml VOA vials				
PHYSICAL AND CHEMICAL DATA					
pH (SU)	8.77	pH (SU)		pH (SU)	
temp @	12.2	temp @		temp @	
Cond (us/cm)	691	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	48.4	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	102.8	eH/ORP		eH/ORP	
Comments/Remarks	clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-15R	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 12:05 AM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	16.66	☒ From inner casing	☐ From protective casing		
Bottom Depth	49.35	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)		5.23	
Well Condition	good				

MONITORING WELL PURGE DATA					
	☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer	
	☐ Poly bailer	☐ Teflon bailer	☐ Other		
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal.	Number of Bails			
Volume Purged (gal)	15.70	Well Volumes		3.00	
Time Purge Complete		Well evacuated?		☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~45				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	7.57	pH (SU)		pH (SU)	
temp @	13	temp @		temp @	
Cond (us/cm)	783	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	13.1	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	49.9	eH/ORP		eH/ORP	
Comments/Remarks	clear, no odor, no sheen				

Ground Water Investigations-Hydrogeology, P.C.

18 Bridge Street - Montgomery, New York 12549 - (845) 457-9955

FIELD DATA SAMPLING SHEET

Sample ID	OS-15D	Project Location	Blauvelt - Xerox	Sample Date/Time	12/13/18 1:00 PM
Bottle Set (lab)	N/A	Project Number	461-06-00	Field Personnel	MAC
Weather Conditions	Light snow/calm overcast; 30's			Observer	

SAMPLE TYPE	☐ Composite	☐ Leachate	☐ Grab	☐ Soil	☐ Sediment
	☒ Groundwater	☐ Surface Water	☐ Industrial	☐ Storm Sewer	☐ Gas
	☐ Other				

MONITORING WELL DATA					
Casing Diameter	2"	☐ PVC	☒ Steel	☐ Other	
Static Water Level	12.4	☒ From inner casing	☐ From protective casing		
Bottom Depth	82.19	☐ From inner casing	☒ From protective casing		
Static Water Level Indicator Type:		☐ Steel/PVC tape	☒ Electronic	☐ Other	
Linear Conversion	0.16	Water Volume in Well (in gallons)			11.17
Well Condition	good				

MONITORING WELL PURGE DATA					
☐ Submersible	☐ Peristaltic pump	☐ Suction pump	☒ PVC Bailer		
☐ Poly bailer	☐ Teflon bailer	☐ Other			
Dedicated purge equipment?		☐ Yes	☒ No		
Pumping Rate		Elapsed Time			
Bail Volume	4 bails/gal	Number of Bails			
Volume Purged (gal)	33.50	Well Volumes		3.00	
Time Purge Complete		Well evacuated?		☒ No	

SAMPLING DATA					
☐ Peristaltic pump	☐ Hand corer	☒ PVC bailer	☐ Poly bailer	☐ Teflon bailer	
☐ Stainless bucket	☐ Hand auger	☐ Poly cup	☐ Tedlar bag	☐ Direct	
☐ Other			☐ Stainless spoon	☐ Split spoon	
Dedicated sampling equipment?		☐ Yes	☒ No		
Metals field filtered?		☐ Yes	☒ No		
Depth of sample (ft.)	~75				
Sample containers	3-40 ml VOA vials				

PHYSICAL AND CHEMICAL DATA					
pH (SU)	8.16	pH (SU)		pH (SU)	
temp @	12.8	temp @		temp @	
Cond (us/cm)	901	Cond (us/cm)		Cond (us/cm)	
Turb (NTU)	4.39	Turb (NTU)		Turb (NTU)	
Diss. O2 (mg/l)	-	Diss. O2 (mg/l)		Diss. O2 (mg/l)	
eH/ORP	36.3	eH/ORP		eH/ORP	
Comments/Remarks	clear, no odor, no sheen				



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8015C	Water	Mineral Spirits
8260C	Water	Total Target Volatiles (TTV)

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Sample Name: MW-12 2018 4Q
Lab Code: R1812124-001
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: W-2 2018 4Q
Lab Code: R1812124-002
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8015C
8260C

Extracted/Digested By
VSTAUFFER

Analyzed By
JMISIUREWICZ
DLIPANI

Sample Name: PW-2 2018 4Q
Lab Code: R1812124-003
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8015C
8260C

Extracted/Digested By
VSTAUFFER

Analyzed By
JMISIUREWICZ
DLIPANI

Sample Name: DUP-01 2018 4Q
Lab Code: R1812124-004
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8015C
8260C

Extracted/Digested By
VSTAUFFER

Analyzed By
JMISIUREWICZ
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Sample Name: EQUIPMENT BLANK-01 2018 4Q
Lab Code: R1812124-005
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8015C
8260C

Extracted/Digested By
VSTAUFFER

Analyzed By
JMISIUREWICZ
DLIPANI

Sample Name: OW-2 2018 4Q
Lab Code: R1812124-006
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OW-1 2018 4Q
Lab Code: R1812124-007
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: RI-6 2018 4Q
Lab Code: R1812124-008
Sample Matrix: Water

Date Collected: 12/13/18
Date Received: 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Sample Name: U-6D 2018 4Q
Lab Code: R1812124-009
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-9 2018 4Q
Lab Code: R1812124-010
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-9R 2018 4Q
Lab Code: R1812124-011
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-12R 2018 4Q
Lab Code: R1812124-012
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-15R 2018 4Q
Lab Code: R1812124-013
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Sample Name: OS-15D 2018 4Q
Lab Code: R1812124-014
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: TRIP BLANK 2018 4Q
Lab Code: R1812124-015
Sample Matrix: Water

Date Collected: 12/13/18**Date Received:** 12/14/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-7R 2018 4Q
Lab Code: R1812124-016
Sample Matrix: Water

Date Collected: 12/14/18**Date Received:** 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-7D 2018 4Q
Lab Code: R1812124-017
Sample Matrix: Water

Date Collected: 12/14/18**Date Received:** 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-11R 2018 4Q
Lab Code: R1812124-018
Sample Matrix: Water

Date Collected: 12/14/18**Date Received:** 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Sample Name: OS-11D 2018 4Q
Lab Code: R1812124-019
Sample Matrix: Water

Date Collected: 12/14/18
Date Received: 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-6 2018 4Q
Lab Code: R1812124-020
Sample Matrix: Water

Date Collected: 12/14/18
Date Received: 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-6R 2018 4Q
Lab Code: R1812124-021
Sample Matrix: Water

Date Collected: 12/14/18
Date Received: 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-5R 2018 4Q
Lab Code: R1812124-022
Sample Matrix: Water

Date Collected: 12/14/18
Date Received: 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: OS-5D 2018 4Q
Lab Code: R1812124-023
Sample Matrix: Water

Date Collected: 12/14/18
Date Received: 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

ALS Group USA, Corp.

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Analyst Summary report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124

Sample Name: OS-2R 2018 4Q
Lab Code: R1812124-024
Sample Matrix: Water

Date Collected: 12/14/18**Date Received:** 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: TRIP BLANK 2 2018 4Q
Lab Code: R1812124-025
Sample Matrix: Water

Date Collected: 12/14/18**Date Received:** 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI

Sample Name: DUP-02 2018 4Q
Lab Code: R1812124-026
Sample Matrix: Water

Date Collected: 12/14/18**Date Received:** 12/15/18

Analysis Method
8260C

Extracted/Digested By

Analyzed By
DLIPANI



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:10
Date Received: 12/14/18 09:10

Sample Name: MW-12 2018 4Q
Lab Code: R1812124-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	25 U	25	5	12/18/18 16:08	
Bromodichloromethane	25 U	25	5	12/18/18 16:08	
Bromoform	25 U	25	5	12/18/18 16:08	
Bromomethane	25 U	25	5	12/18/18 16:08	
Carbon Tetrachloride	25 U	25	5	12/18/18 16:08	
Chlorobenzene	25 U	25	5	12/18/18 16:08	
Chloroethane	25 U	25	5	12/18/18 16:08	
2-Chloroethyl Vinyl Ether	25 U	25	5	12/18/18 16:08	
Chloroform	25 U	25	5	12/18/18 16:08	
Chloromethane	25 U	25	5	12/18/18 16:08	
Dibromochloromethane	25 U	25	5	12/18/18 16:08	
1,2-Dichlorobenzene	25 U	25	5	12/18/18 16:08	
1,3-Dichlorobenzene	25 U	25	5	12/18/18 16:08	
1,4-Dichlorobenzene	25 U	25	5	12/18/18 16:08	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	12/18/18 16:08	
1,2-Dichloroethane	25 U	25	5	12/18/18 16:08	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	12/18/18 16:08	
trans-1,2-Dichloroethene	25 U	25	5	12/18/18 16:08	
cis-1,2-Dichloroethene	670	25	5	12/18/18 16:08	
1,2-Dichloropropane	25 U	25	5	12/18/18 16:08	
cis-1,3-Dichloropropene	25 U	25	5	12/18/18 16:08	
trans-1,3-Dichloropropene	25 U	25	5	12/18/18 16:08	
Ethylbenzene	25 U	25	5	12/18/18 16:08	
Methylene Chloride	25 U	25	5	12/18/18 16:08	
1,1,2,2-Tetrachloroethane	25 U	25	5	12/18/18 16:08	
Toluene	25 U	25	5	12/18/18 16:08	
1,1,1-Trichloroethane (TCA)	25 U	25	5	12/18/18 16:08	
1,1,2-Trichloroethane	25 U	25	5	12/18/18 16:08	
Tetrachloroethene (PCE)	25 U	25	5	12/18/18 16:08	
Trichloroethene (TCE)	25 U	25	5	12/18/18 16:08	
Trichlorofluoromethane (CFC 11)	25 U	25	5	12/18/18 16:08	
Vinyl Chloride	25 U	25	5	12/18/18 16:08	
m,p-Xylenes	25 U	25	5	12/18/18 16:08	
o-Xylene	25 U	25	5	12/18/18 16:08	
Total Target Volatiles (TTV)	670.0	25.0	5	12/18/18 16:08	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:10
Date Received: 12/14/18 09:10

Sample Name: MW-12 2018 4Q
Lab Code: R1812124-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	12/18/18 16:08	
Dibromofluoromethane	93	89 - 119	12/18/18 16:08	
Toluene-d8	97	87 - 121	12/18/18 16:08	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:35
Date Received: 12/14/18 09:10

Sample Name: W-2 2018 4Q
Lab Code: R1812124-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 16:06	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 16:06	
Bromoform	5.0 U	5.0	1	12/17/18 16:06	
Bromomethane	5.0 U	5.0	1	12/17/18 16:06	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 16:06	
Chlorobenzene	5.0 U	5.0	1	12/17/18 16:06	
Chloroethane	5.0 U	5.0	1	12/17/18 16:06	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 16:06	
Chloroform	5.0 U	5.0	1	12/17/18 16:06	
Chloromethane	5.0 U	5.0	1	12/17/18 16:06	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 16:06	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:06	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:06	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:06	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 16:06	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 16:06	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 16:06	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 16:06	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 16:06	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 16:06	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 16:06	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 16:06	
Ethylbenzene	5.0 U	5.0	1	12/17/18 16:06	
Methylene Chloride	5.0 U	5.0	1	12/17/18 16:06	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 16:06	
Toluene	5.0 U	5.0	1	12/17/18 16:06	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 16:06	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 16:06	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 16:06	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 16:06	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 16:06	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 16:06	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 16:06	
o-Xylene	5.0 U	5.0	1	12/17/18 16:06	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 16:06	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:35
Date Received: 12/14/18 09:10

Sample Name: W-2 2018 4Q
Lab Code: R1812124-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/17/18 16:06	
Dibromofluoromethane	95	89 - 119	12/17/18 16:06	
Toluene-d8	99	87 - 121	12/17/18 16:06	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:00
Date Received: 12/14/18 09:10

Sample Name: PW-2 2018 4Q
Lab Code: R1812124-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 15:46	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 15:46	
Bromoform	5.0 U	5.0	1	12/18/18 15:46	
Bromomethane	5.0 U	5.0	1	12/18/18 15:46	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 15:46	
Chlorobenzene	5.0 U	5.0	1	12/18/18 15:46	
Chloroethane	5.0 U	5.0	1	12/18/18 15:46	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 15:46	
Chloroform	5.0 U	5.0	1	12/18/18 15:46	
Chloromethane	5.0 U	5.0	1	12/18/18 15:46	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 15:46	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 15:46	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 15:46	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 15:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 15:46	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 15:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 15:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 15:46	
cis-1,2-Dichloroethene	180	5.0	1	12/18/18 15:46	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 15:46	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 15:46	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 15:46	
Ethylbenzene	5.0 U	5.0	1	12/18/18 15:46	
Methylene Chloride	5.0 U	5.0	1	12/18/18 15:46	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 15:46	
Toluene	5.0 U	5.0	1	12/18/18 15:46	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 15:46	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 15:46	
Tetrachloroethene (PCE)	14	5.0	1	12/18/18 15:46	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 15:46	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 15:46	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 15:46	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 15:46	
o-Xylene	5.0 U	5.0	1	12/18/18 15:46	
Total Target Volatiles (TTV)	194.0	5.0	1	12/18/18 15:46	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:00
Date Received: 12/14/18 09:10

Sample Name: PW-2 2018 4Q
Lab Code: R1812124-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	12/18/18 15:46	
Dibromofluoromethane	93	89 - 119	12/18/18 15:46	
Toluene-d8	96	87 - 121	12/18/18 15:46	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:05
Date Received: 12/14/18 09:10

Sample Name: DUP-01 2018 4Q
Lab Code: R1812124-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 14:58	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 14:58	
Bromoform	5.0 U	5.0	1	12/18/18 14:58	
Bromomethane	5.0 U	5.0	1	12/18/18 14:58	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 14:58	
Chlorobenzene	5.0 U	5.0	1	12/18/18 14:58	
Chloroethane	5.0 U	5.0	1	12/18/18 14:58	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 14:58	
Chloroform	5.0 U	5.0	1	12/18/18 14:58	
Chloromethane	5.0 U	5.0	1	12/18/18 14:58	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 14:58	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 14:58	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 14:58	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 14:58	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 14:58	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 14:58	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 14:58	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 14:58	
cis-1,2-Dichloroethene	180	5.0	1	12/18/18 14:58	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 14:58	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 14:58	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 14:58	
Ethylbenzene	5.0 U	5.0	1	12/18/18 14:58	
Methylene Chloride	5.0 U	5.0	1	12/18/18 14:58	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 14:58	
Toluene	5.0 U	5.0	1	12/18/18 14:58	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 14:58	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 14:58	
Tetrachloroethene (PCE)	14	5.0	1	12/18/18 14:58	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 14:58	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 14:58	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 14:58	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 14:58	
o-Xylene	5.0 U	5.0	1	12/18/18 14:58	
Total Target Volatiles (TTV)	194.0	5.0	1	12/18/18 14:58	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:05
Date Received: 12/14/18 09:10

Sample Name: DUP-01 2018 4Q
Lab Code: R1812124-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	12/18/18 14:58	
Dibromofluoromethane	94	89 - 119	12/18/18 14:58	
Toluene-d8	98	87 - 121	12/18/18 14:58	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:10
Date Received: 12/14/18 09:10

Sample Name: EQUIPMENT BLANK-01 2018 4Q
Lab Code: R1812124-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 15:00	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 15:00	
Bromoform	5.0 U	5.0	1	12/17/18 15:00	
Bromomethane	5.0 U	5.0	1	12/17/18 15:00	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 15:00	
Chlorobenzene	5.0 U	5.0	1	12/17/18 15:00	
Chloroethane	5.0 U	5.0	1	12/17/18 15:00	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 15:00	
Chloroform	5.0 U	5.0	1	12/17/18 15:00	
Chloromethane	5.0 U	5.0	1	12/17/18 15:00	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 15:00	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 15:00	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 15:00	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 15:00	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 15:00	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 15:00	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 15:00	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 15:00	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 15:00	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 15:00	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 15:00	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 15:00	
Ethylbenzene	5.0 U	5.0	1	12/17/18 15:00	
Methylene Chloride	5.0 U	5.0	1	12/17/18 15:00	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 15:00	
Toluene	5.0 U	5.0	1	12/17/18 15:00	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 15:00	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 15:00	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 15:00	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 15:00	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 15:00	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 15:00	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 15:00	
o-Xylene	5.0 U	5.0	1	12/17/18 15:00	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 15:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:10
Date Received: 12/14/18 09:10

Sample Name: EQUIPMENT BLANK-01 2018 4Q
Lab Code: R1812124-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	12/17/18 15:00	
Dibromofluoromethane	94	89 - 119	12/17/18 15:00	
Toluene-d8	98	87 - 121	12/17/18 15:00	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:45
Date Received: 12/14/18 09:10

Sample Name: OW-2 2018 4Q
Lab Code: R1812124-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 16:28	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 16:28	
Bromoform	5.0 U	5.0	1	12/17/18 16:28	
Bromomethane	5.0 U	5.0	1	12/17/18 16:28	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 16:28	
Chlorobenzene	5.0 U	5.0	1	12/17/18 16:28	
Chloroethane	5.0 U	5.0	1	12/17/18 16:28	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 16:28	
Chloroform	5.0 U	5.0	1	12/17/18 16:28	
Chloromethane	5.0 U	5.0	1	12/17/18 16:28	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 16:28	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:28	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:28	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:28	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 16:28	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 16:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 16:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 16:28	
cis-1,2-Dichloroethene	9.7	5.0	1	12/17/18 16:28	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 16:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 16:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 16:28	
Ethylbenzene	5.0 U	5.0	1	12/17/18 16:28	
Methylene Chloride	5.0 U	5.0	1	12/17/18 16:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 16:28	
Toluene	5.0 U	5.0	1	12/17/18 16:28	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 16:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 16:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 16:28	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 16:28	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 16:28	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 16:28	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 16:28	
o-Xylene	5.0 U	5.0	1	12/17/18 16:28	
Total Target Volatiles (TTV)	9.7	5.0	1	12/17/18 16:28	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:45
Date Received: 12/14/18 09:10

Sample Name: OW-2 2018 4Q
Lab Code: R1812124-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/17/18 16:28	
Dibromofluoromethane	93	89 - 119	12/17/18 16:28	
Toluene-d8	98	87 - 121	12/17/18 16:28	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 09:40
Date Received: 12/14/18 09:10

Sample Name: OW-1 2018 4Q
Lab Code: R1812124-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 16:50	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 16:50	
Bromoform	5.0 U	5.0	1	12/17/18 16:50	
Bromomethane	5.0 U	5.0	1	12/17/18 16:50	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 16:50	
Chlorobenzene	5.0 U	5.0	1	12/17/18 16:50	
Chloroethane	5.0 U	5.0	1	12/17/18 16:50	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 16:50	
Chloroform	5.0 U	5.0	1	12/17/18 16:50	
Chloromethane	5.0 U	5.0	1	12/17/18 16:50	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 16:50	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:50	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:50	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 16:50	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 16:50	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 16:50	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 16:50	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 16:50	
cis-1,2-Dichloroethene	9.3	5.0	1	12/17/18 16:50	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 16:50	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 16:50	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 16:50	
Ethylbenzene	5.0 U	5.0	1	12/17/18 16:50	
Methylene Chloride	5.0 U	5.0	1	12/17/18 16:50	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 16:50	
Toluene	5.0 U	5.0	1	12/17/18 16:50	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 16:50	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 16:50	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 16:50	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 16:50	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 16:50	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 16:50	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 16:50	
o-Xylene	5.0 U	5.0	1	12/17/18 16:50	
Total Target Volatiles (TTV)	9.3	5.0	1	12/17/18 16:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 09:40
Date Received: 12/14/18 09:10

Sample Name: OW-1 2018 4Q
Lab Code: R1812124-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	12/17/18 16:50	
Dibromofluoromethane	95	89 - 119	12/17/18 16:50	
Toluene-d8	101	87 - 121	12/17/18 16:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 10:00
Date Received: 12/14/18 09:10

Sample Name: RI-6 2018 4Q
Lab Code: R1812124-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 17:12	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 17:12	
Bromoform	5.0 U	5.0	1	12/17/18 17:12	
Bromomethane	5.0 U	5.0	1	12/17/18 17:12	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 17:12	
Chlorobenzene	5.0 U	5.0	1	12/17/18 17:12	
Chloroethane	5.0 U	5.0	1	12/17/18 17:12	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 17:12	
Chloroform	5.0 U	5.0	1	12/17/18 17:12	
Chloromethane	5.0 U	5.0	1	12/17/18 17:12	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 17:12	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:12	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:12	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 17:12	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 17:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 17:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 17:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 17:12	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 17:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 17:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 17:12	
Ethylbenzene	5.0 U	5.0	1	12/17/18 17:12	
Methylene Chloride	5.0 U	5.0	1	12/17/18 17:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 17:12	
Toluene	5.0 U	5.0	1	12/17/18 17:12	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 17:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 17:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 17:12	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 17:12	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 17:12	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 17:12	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 17:12	
o-Xylene	5.0 U	5.0	1	12/17/18 17:12	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 17:12	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 10:00
Date Received: 12/14/18 09:10

Sample Name: RI-6 2018 4Q
Lab Code: R1812124-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	12/17/18 17:12	
Dibromofluoromethane	93	89 - 119	12/17/18 17:12	
Toluene-d8	98	87 - 121	12/17/18 17:12	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 10:30
Date Received: 12/14/18 09:10

Sample Name: U-6D 2018 4Q
Lab Code: R1812124-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 17:34	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 17:34	
Bromoform	5.0 U	5.0	1	12/17/18 17:34	
Bromomethane	5.0 U	5.0	1	12/17/18 17:34	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 17:34	
Chlorobenzene	5.0 U	5.0	1	12/17/18 17:34	
Chloroethane	5.0 U	5.0	1	12/17/18 17:34	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 17:34	
Chloroform	5.0 U	5.0	1	12/17/18 17:34	
Chloromethane	5.0 U	5.0	1	12/17/18 17:34	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 17:34	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:34	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:34	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:34	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 17:34	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 17:34	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 17:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 17:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 17:34	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 17:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 17:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 17:34	
Ethylbenzene	5.0 U	5.0	1	12/17/18 17:34	
Methylene Chloride	5.0 U	5.0	1	12/17/18 17:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 17:34	
Toluene	5.0 U	5.0	1	12/17/18 17:34	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 17:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 17:34	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 17:34	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 17:34	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 17:34	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 17:34	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 17:34	
o-Xylene	5.0 U	5.0	1	12/17/18 17:34	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 17:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 10:30
Date Received: 12/14/18 09:10

Sample Name: U-6D 2018 4Q
Lab Code: R1812124-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	85 - 122	12/17/18 17:34	
Dibromofluoromethane	93	89 - 119	12/17/18 17:34	
Toluene-d8	100	87 - 121	12/17/18 17:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 11:00
Date Received: 12/14/18 09:10

Sample Name: OS-9 2018 4Q
Lab Code: R1812124-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 17:56	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 17:56	
Bromoform	5.0 U	5.0	1	12/17/18 17:56	
Bromomethane	5.0 U	5.0	1	12/17/18 17:56	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 17:56	
Chlorobenzene	5.0 U	5.0	1	12/17/18 17:56	
Chloroethane	5.0 U	5.0	1	12/17/18 17:56	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 17:56	
Chloroform	5.0 U	5.0	1	12/17/18 17:56	
Chloromethane	5.0 U	5.0	1	12/17/18 17:56	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 17:56	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:56	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:56	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 17:56	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 17:56	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 17:56	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 17:56	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 17:56	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 17:56	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 17:56	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 17:56	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 17:56	
Ethylbenzene	5.0 U	5.0	1	12/17/18 17:56	
Methylene Chloride	5.0 U	5.0	1	12/17/18 17:56	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 17:56	
Toluene	5.0 U	5.0	1	12/17/18 17:56	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 17:56	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 17:56	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 17:56	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 17:56	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 17:56	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 17:56	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 17:56	
o-Xylene	5.0 U	5.0	1	12/17/18 17:56	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 17:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 11:00
Date Received: 12/14/18 09:10

Sample Name: OS-9 2018 4Q
Lab Code: R1812124-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	85	85 - 122	12/17/18 17:56	
Dibromofluoromethane	92	89 - 119	12/17/18 17:56	
Toluene-d8	94	87 - 121	12/17/18 17:56	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 11:10
Date Received: 12/14/18 09:10

Sample Name: OS-9R 2018 4Q
Lab Code: R1812124-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 18:18	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 18:18	
Bromoform	5.0 U	5.0	1	12/17/18 18:18	
Bromomethane	5.0 U	5.0	1	12/17/18 18:18	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 18:18	
Chlorobenzene	5.0 U	5.0	1	12/17/18 18:18	
Chloroethane	5.0 U	5.0	1	12/17/18 18:18	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 18:18	
Chloroform	5.0 U	5.0	1	12/17/18 18:18	
Chloromethane	5.0 U	5.0	1	12/17/18 18:18	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 18:18	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 18:18	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 18:18	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 18:18	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 18:18	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 18:18	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 18:18	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 18:18	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 18:18	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 18:18	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 18:18	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 18:18	
Ethylbenzene	5.0 U	5.0	1	12/17/18 18:18	
Methylene Chloride	5.0 U	5.0	1	12/17/18 18:18	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 18:18	
Toluene	5.0 U	5.0	1	12/17/18 18:18	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 18:18	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 18:18	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 18:18	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 18:18	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 18:18	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 18:18	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 18:18	
o-Xylene	5.0 U	5.0	1	12/17/18 18:18	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 18:18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 11:10
Date Received: 12/14/18 09:10

Sample Name: OS-9R 2018 4Q
Lab Code: R1812124-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	12/17/18 18:18	
Dibromofluoromethane	89	89 - 119	12/17/18 18:18	
Toluene-d8	99	87 - 121	12/17/18 18:18	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 11:30
Date Received: 12/14/18 09:10

Sample Name: OS-12R 2018 4Q
Lab Code: R1812124-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 18:40	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 18:40	
Bromoform	5.0 U	5.0	1	12/17/18 18:40	
Bromomethane	5.0 U	5.0	1	12/17/18 18:40	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 18:40	
Chlorobenzene	5.0 U	5.0	1	12/17/18 18:40	
Chloroethane	5.0 U	5.0	1	12/17/18 18:40	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 18:40	
Chloroform	5.0 U	5.0	1	12/17/18 18:40	
Chloromethane	5.0 U	5.0	1	12/17/18 18:40	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 18:40	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 18:40	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 18:40	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 18:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 18:40	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 18:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 18:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 18:40	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 18:40	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 18:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 18:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 18:40	
Ethylbenzene	5.0 U	5.0	1	12/17/18 18:40	
Methylene Chloride	5.0 U	5.0	1	12/17/18 18:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 18:40	
Toluene	5.0 U	5.0	1	12/17/18 18:40	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 18:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 18:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 18:40	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 18:40	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 18:40	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 18:40	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 18:40	
o-Xylene	5.0 U	5.0	1	12/17/18 18:40	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 18:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 11:30
Date Received: 12/14/18 09:10

Sample Name: OS-12R 2018 4Q
Lab Code: R1812124-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/17/18 18:40	
Dibromofluoromethane	93	89 - 119	12/17/18 18:40	
Toluene-d8	98	87 - 121	12/17/18 18:40	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 12:05
Date Received: 12/14/18 09:10

Sample Name: OS-15R 2018 4Q
Lab Code: R1812124-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 19:02	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 19:02	
Bromoform	5.0 U	5.0	1	12/17/18 19:02	
Bromomethane	5.0 U	5.0	1	12/17/18 19:02	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 19:02	
Chlorobenzene	5.0 U	5.0	1	12/17/18 19:02	
Chloroethane	5.0 U	5.0	1	12/17/18 19:02	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 19:02	
Chloroform	5.0 U	5.0	1	12/17/18 19:02	
Chloromethane	5.0 U	5.0	1	12/17/18 19:02	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 19:02	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 19:02	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 19:02	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 19:02	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 19:02	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 19:02	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 19:02	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 19:02	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 19:02	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 19:02	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 19:02	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 19:02	
Ethylbenzene	5.0 U	5.0	1	12/17/18 19:02	
Methylene Chloride	5.0 U	5.0	1	12/17/18 19:02	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 19:02	
Toluene	5.0 U	5.0	1	12/17/18 19:02	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 19:02	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 19:02	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 19:02	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 19:02	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 19:02	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 19:02	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 19:02	
o-Xylene	5.0 U	5.0	1	12/17/18 19:02	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 19:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 12:05
Date Received: 12/14/18 09:10

Sample Name: OS-15R 2018 4Q
Lab Code: R1812124-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/17/18 19:02	
Dibromofluoromethane	93	89 - 119	12/17/18 19:02	
Toluene-d8	98	87 - 121	12/17/18 19:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 13:00
Date Received: 12/14/18 09:10

Sample Name: OS-15D 2018 4Q
Lab Code: R1812124-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 19:23	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 19:23	
Bromoform	5.0 U	5.0	1	12/17/18 19:23	
Bromomethane	5.0 U	5.0	1	12/17/18 19:23	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 19:23	
Chlorobenzene	5.0 U	5.0	1	12/17/18 19:23	
Chloroethane	5.0 U	5.0	1	12/17/18 19:23	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 19:23	
Chloroform	5.0 U	5.0	1	12/17/18 19:23	
Chloromethane	5.0 U	5.0	1	12/17/18 19:23	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 19:23	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 19:23	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 19:23	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 19:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 19:23	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 19:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 19:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 19:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 19:23	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 19:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 19:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 19:23	
Ethylbenzene	5.0 U	5.0	1	12/17/18 19:23	
Methylene Chloride	5.0 U	5.0	1	12/17/18 19:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 19:23	
Toluene	5.0 U	5.0	1	12/17/18 19:23	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 19:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 19:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 19:23	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 19:23	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 19:23	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 19:23	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 19:23	
o-Xylene	5.0 U	5.0	1	12/17/18 19:23	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 19:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 13:00
Date Received: 12/14/18 09:10

Sample Name: OS-15D 2018 4Q
Lab Code: R1812124-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/17/18 19:23	
Dibromofluoromethane	92	89 - 119	12/17/18 19:23	
Toluene-d8	97	87 - 121	12/17/18 19:23	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:05
Date Received: 12/14/18 09:10

Sample Name: TRIP BLANK 2018 4Q
Lab Code: R1812124-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 14:36	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 14:36	
Bromoform	5.0 U	5.0	1	12/17/18 14:36	
Bromomethane	5.0 U	5.0	1	12/17/18 14:36	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 14:36	
Chlorobenzene	5.0 U	5.0	1	12/17/18 14:36	
Chloroethane	5.0 U	5.0	1	12/17/18 14:36	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 14:36	
Chloroform	5.0 U	5.0	1	12/17/18 14:36	
Chloromethane	5.0 U	5.0	1	12/17/18 14:36	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 14:36	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 14:36	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 14:36	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 14:36	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 14:36	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 14:36	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 14:36	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 14:36	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 14:36	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 14:36	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 14:36	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 14:36	
Ethylbenzene	5.0 U	5.0	1	12/17/18 14:36	
Methylene Chloride	5.0 U	5.0	1	12/17/18 14:36	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 14:36	
Toluene	5.0 U	5.0	1	12/17/18 14:36	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 14:36	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 14:36	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 14:36	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 14:36	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 14:36	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 14:36	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 14:36	
o-Xylene	5.0 U	5.0	1	12/17/18 14:36	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 14:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:05
Date Received: 12/14/18 09:10

Sample Name: TRIP BLANK 2018 4Q
Lab Code: R1812124-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	12/17/18 14:36	
Dibromofluoromethane	94	89 - 119	12/17/18 14:36	
Toluene-d8	97	87 - 121	12/17/18 14:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 07:00
Date Received: 12/15/18 09:00

Sample Name: OS-7R 2018 4Q
Lab Code: R1812124-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 16:30	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 16:30	
Bromoform	5.0 U	5.0	1	12/18/18 16:30	
Bromomethane	5.0 U	5.0	1	12/18/18 16:30	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 16:30	
Chlorobenzene	5.0 U	5.0	1	12/18/18 16:30	
Chloroethane	5.0 U	5.0	1	12/18/18 16:30	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 16:30	
Chloroform	5.0 U	5.0	1	12/18/18 16:30	
Chloromethane	5.0 U	5.0	1	12/18/18 16:30	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 16:30	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 16:30	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 16:30	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 16:30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 16:30	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 16:30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 16:30	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 16:30	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 16:30	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 16:30	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 16:30	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 16:30	
Ethylbenzene	5.0 U	5.0	1	12/18/18 16:30	
Methylene Chloride	5.0 U	5.0	1	12/18/18 16:30	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 16:30	
Toluene	5.0 U	5.0	1	12/18/18 16:30	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 16:30	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 16:30	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 16:30	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 16:30	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 16:30	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 16:30	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 16:30	
o-Xylene	5.0 U	5.0	1	12/18/18 16:30	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 16:30	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 07:00
Date Received: 12/15/18 09:00

Sample Name: OS-7R 2018 4Q
Lab Code: R1812124-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/18/18 16:30	
Dibromofluoromethane	93	89 - 119	12/18/18 16:30	
Toluene-d8	98	87 - 121	12/18/18 16:30	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 07:35
Date Received: 12/15/18 09:00

Sample Name: OS-7D 2018 4Q
Lab Code: R1812124-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 16:52	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 16:52	
Bromoform	5.0 U	5.0	1	12/18/18 16:52	
Bromomethane	5.0 U	5.0	1	12/18/18 16:52	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 16:52	
Chlorobenzene	5.0 U	5.0	1	12/18/18 16:52	
Chloroethane	5.0 U	5.0	1	12/18/18 16:52	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 16:52	
Chloroform	5.0 U	5.0	1	12/18/18 16:52	
Chloromethane	5.0 U	5.0	1	12/18/18 16:52	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 16:52	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 16:52	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 16:52	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 16:52	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 16:52	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 16:52	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 16:52	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 16:52	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 16:52	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 16:52	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 16:52	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 16:52	
Ethylbenzene	5.0 U	5.0	1	12/18/18 16:52	
Methylene Chloride	5.0 U	5.0	1	12/18/18 16:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 16:52	
Toluene	5.0 U	5.0	1	12/18/18 16:52	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 16:52	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 16:52	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 16:52	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 16:52	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 16:52	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 16:52	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 16:52	
o-Xylene	5.0 U	5.0	1	12/18/18 16:52	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 16:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 07:35
Date Received: 12/15/18 09:00

Sample Name: OS-7D 2018 4Q
Lab Code: R1812124-017

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	12/18/18 16:52	
Dibromofluoromethane	93	89 - 119	12/18/18 16:52	
Toluene-d8	97	87 - 121	12/18/18 16:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 08:10
Date Received: 12/15/18 09:00

Sample Name: OS-11R 2018 4Q
Lab Code: R1812124-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 17:14	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 17:14	
Bromoform	5.0 U	5.0	1	12/18/18 17:14	
Bromomethane	5.0 U	5.0	1	12/18/18 17:14	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 17:14	
Chlorobenzene	5.0 U	5.0	1	12/18/18 17:14	
Chloroethane	5.0 U	5.0	1	12/18/18 17:14	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 17:14	
Chloroform	5.0 U	5.0	1	12/18/18 17:14	
Chloromethane	5.0 U	5.0	1	12/18/18 17:14	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 17:14	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:14	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:14	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:14	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 17:14	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 17:14	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 17:14	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 17:14	
cis-1,2-Dichloroethene	5.2	5.0	1	12/18/18 17:14	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 17:14	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 17:14	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 17:14	
Ethylbenzene	5.0 U	5.0	1	12/18/18 17:14	
Methylene Chloride	5.0 U	5.0	1	12/18/18 17:14	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 17:14	
Toluene	5.0 U	5.0	1	12/18/18 17:14	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 17:14	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 17:14	
Tetrachloroethene (PCE)	6.3	5.0	1	12/18/18 17:14	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 17:14	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 17:14	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 17:14	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 17:14	
o-Xylene	5.0 U	5.0	1	12/18/18 17:14	
Total Target Volatiles (TTV)	11.5	5.0	1	12/18/18 17:14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 08:10
Date Received: 12/15/18 09:00

Sample Name: OS-11R 2018 4Q
Lab Code: R1812124-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	12/18/18 17:14	
Dibromofluoromethane	93	89 - 119	12/18/18 17:14	
Toluene-d8	97	87 - 121	12/18/18 17:14	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 08:30
Date Received: 12/15/18 09:00

Sample Name: OS-11D 2018 4Q
Lab Code: R1812124-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 17:35	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 17:35	
Bromoform	5.0 U	5.0	1	12/18/18 17:35	
Bromomethane	5.0 U	5.0	1	12/18/18 17:35	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 17:35	
Chlorobenzene	5.0 U	5.0	1	12/18/18 17:35	
Chloroethane	5.0 U	5.0	1	12/18/18 17:35	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 17:35	
Chloroform	5.0 U	5.0	1	12/18/18 17:35	
Chloromethane	5.0 U	5.0	1	12/18/18 17:35	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 17:35	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:35	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:35	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:35	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 17:35	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 17:35	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 17:35	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 17:35	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 17:35	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 17:35	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 17:35	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 17:35	
Ethylbenzene	5.0 U	5.0	1	12/18/18 17:35	
Methylene Chloride	5.0 U	5.0	1	12/18/18 17:35	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 17:35	
Toluene	5.0 U	5.0	1	12/18/18 17:35	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 17:35	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 17:35	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 17:35	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 17:35	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 17:35	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 17:35	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 17:35	
o-Xylene	5.0 U	5.0	1	12/18/18 17:35	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 17:35	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 08:30
Date Received: 12/15/18 09:00

Sample Name: OS-11D 2018 4Q
Lab Code: R1812124-019

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	12/18/18 17:35	
Dibromofluoromethane	94	89 - 119	12/18/18 17:35	
Toluene-d8	98	87 - 121	12/18/18 17:35	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 08:55
Date Received: 12/15/18 09:00

Sample Name: OS-6 2018 4Q
Lab Code: R1812124-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 17:57	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 17:57	
Bromoform	5.0 U	5.0	1	12/18/18 17:57	
Bromomethane	5.0 U	5.0	1	12/18/18 17:57	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 17:57	
Chlorobenzene	5.0 U	5.0	1	12/18/18 17:57	
Chloroethane	5.0 U	5.0	1	12/18/18 17:57	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 17:57	
Chloroform	5.0 U	5.0	1	12/18/18 17:57	
Chloromethane	5.0 U	5.0	1	12/18/18 17:57	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 17:57	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:57	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:57	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 17:57	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 17:57	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 17:57	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 17:57	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 17:57	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 17:57	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 17:57	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 17:57	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 17:57	
Ethylbenzene	5.0 U	5.0	1	12/18/18 17:57	
Methylene Chloride	5.0 U	5.0	1	12/18/18 17:57	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 17:57	
Toluene	5.0 U	5.0	1	12/18/18 17:57	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 17:57	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 17:57	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 17:57	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 17:57	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 17:57	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 17:57	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 17:57	
o-Xylene	5.0 U	5.0	1	12/18/18 17:57	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 17:57	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 08:55
Date Received: 12/15/18 09:00

Sample Name: OS-6 2018 4Q
Lab Code: R1812124-020

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	85 - 122	12/18/18 17:57	
Dibromofluoromethane	94	89 - 119	12/18/18 17:57	
Toluene-d8	99	87 - 121	12/18/18 17:57	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 09:15
Date Received: 12/15/18 09:00

Sample Name: OS-6R 2018 4Q
Lab Code: R1812124-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 18:19	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 18:19	
Bromoform	5.0 U	5.0	1	12/18/18 18:19	
Bromomethane	5.0 U	5.0	1	12/18/18 18:19	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 18:19	
Chlorobenzene	5.0 U	5.0	1	12/18/18 18:19	
Chloroethane	5.0 U	5.0	1	12/18/18 18:19	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 18:19	
Chloroform	5.0 U	5.0	1	12/18/18 18:19	
Chloromethane	5.0 U	5.0	1	12/18/18 18:19	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 18:19	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 18:19	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 18:19	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 18:19	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 18:19	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 18:19	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 18:19	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 18:19	
cis-1,2-Dichloroethene	15	5.0	1	12/18/18 18:19	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 18:19	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 18:19	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 18:19	
Ethylbenzene	5.0 U	5.0	1	12/18/18 18:19	
Methylene Chloride	5.0 U	5.0	1	12/18/18 18:19	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 18:19	
Toluene	5.0 U	5.0	1	12/18/18 18:19	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 18:19	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 18:19	
Tetrachloroethene (PCE)	17	5.0	1	12/18/18 18:19	
Trichloroethene (TCE)	13	5.0	1	12/18/18 18:19	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 18:19	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 18:19	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 18:19	
o-Xylene	5.0 U	5.0	1	12/18/18 18:19	
Total Target Volatiles (TTV)	45.0	5.0	1	12/18/18 18:19	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 09:15
Date Received: 12/15/18 09:00

Sample Name: OS-6R 2018 4Q
Lab Code: R1812124-021

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	12/18/18 18:19	
Dibromofluoromethane	91	89 - 119	12/18/18 18:19	
Toluene-d8	97	87 - 121	12/18/18 18:19	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 09:40
Date Received: 12/15/18 09:00

Sample Name: OS-5R 2018 4Q
Lab Code: R1812124-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 18:41	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 18:41	
Bromoform	5.0 U	5.0	1	12/18/18 18:41	
Bromomethane	5.0 U	5.0	1	12/18/18 18:41	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 18:41	
Chlorobenzene	5.0 U	5.0	1	12/18/18 18:41	
Chloroethane	5.0 U	5.0	1	12/18/18 18:41	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 18:41	
Chloroform	5.0 U	5.0	1	12/18/18 18:41	
Chloromethane	5.0 U	5.0	1	12/18/18 18:41	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 18:41	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 18:41	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 18:41	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 18:41	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 18:41	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 18:41	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 18:41	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 18:41	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 18:41	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 18:41	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 18:41	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 18:41	
Ethylbenzene	5.0 U	5.0	1	12/18/18 18:41	
Methylene Chloride	5.0 U	5.0	1	12/18/18 18:41	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 18:41	
Toluene	5.0 U	5.0	1	12/18/18 18:41	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 18:41	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 18:41	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 18:41	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 18:41	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 18:41	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 18:41	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 18:41	
o-Xylene	5.0 U	5.0	1	12/18/18 18:41	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 18:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 09:40
Date Received: 12/15/18 09:00

Sample Name: OS-5R 2018 4Q
Lab Code: R1812124-022

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	12/18/18 18:41	
Dibromofluoromethane	94	89 - 119	12/18/18 18:41	
Toluene-d8	97	87 - 121	12/18/18 18:41	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 10:15
Date Received: 12/15/18 09:00

Sample Name: OS-5D 2018 4Q
Lab Code: R1812124-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 19:03	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 19:03	
Bromoform	5.0 U	5.0	1	12/18/18 19:03	
Bromomethane	5.0 U	5.0	1	12/18/18 19:03	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 19:03	
Chlorobenzene	5.0 U	5.0	1	12/18/18 19:03	
Chloroethane	5.0 U	5.0	1	12/18/18 19:03	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 19:03	
Chloroform	5.0 U	5.0	1	12/18/18 19:03	
Chloromethane	5.0 U	5.0	1	12/18/18 19:03	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 19:03	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:03	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:03	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:03	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 19:03	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 19:03	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 19:03	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 19:03	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 19:03	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 19:03	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 19:03	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 19:03	
Ethylbenzene	5.0 U	5.0	1	12/18/18 19:03	
Methylene Chloride	5.0 U	5.0	1	12/18/18 19:03	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 19:03	
Toluene	5.0 U	5.0	1	12/18/18 19:03	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 19:03	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 19:03	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 19:03	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 19:03	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 19:03	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 19:03	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 19:03	
o-Xylene	5.0 U	5.0	1	12/18/18 19:03	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 19:03	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 10:15
Date Received: 12/15/18 09:00

Sample Name: OS-5D 2018 4Q
Lab Code: R1812124-023

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	89	85 - 122	12/18/18 19:03	
Dibromofluoromethane	94	89 - 119	12/18/18 19:03	
Toluene-d8	98	87 - 121	12/18/18 19:03	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 10:45
Date Received: 12/15/18 09:00

Sample Name: OS-2R 2018 4Q
Lab Code: R1812124-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 19:24	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 19:24	
Bromoform	5.0 U	5.0	1	12/18/18 19:24	
Bromomethane	5.0 U	5.0	1	12/18/18 19:24	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 19:24	
Chlorobenzene	5.0 U	5.0	1	12/18/18 19:24	
Chloroethane	5.0 U	5.0	1	12/18/18 19:24	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 19:24	
Chloroform	5.0 U	5.0	1	12/18/18 19:24	
Chloromethane	5.0 U	5.0	1	12/18/18 19:24	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 19:24	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:24	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:24	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:24	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 19:24	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 19:24	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 19:24	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 19:24	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 19:24	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 19:24	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 19:24	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 19:24	
Ethylbenzene	5.0 U	5.0	1	12/18/18 19:24	
Methylene Chloride	5.0 U	5.0	1	12/18/18 19:24	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 19:24	
Toluene	5.0 U	5.0	1	12/18/18 19:24	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 19:24	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 19:24	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 19:24	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 19:24	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 19:24	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 19:24	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 19:24	
o-Xylene	5.0 U	5.0	1	12/18/18 19:24	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 19:24	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 10:45
Date Received: 12/15/18 09:00

Sample Name: OS-2R 2018 4Q
Lab Code: R1812124-024

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	12/18/18 19:24	
Dibromofluoromethane	93	89 - 119	12/18/18 19:24	
Toluene-d8	97	87 - 121	12/18/18 19:24	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 06:55
Date Received: 12/15/18 09:00

Sample Name: TRIP BLANK 2 2018 4Q
Lab Code: R1812124-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 19:46	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 19:46	
Bromoform	5.0 U	5.0	1	12/18/18 19:46	
Bromomethane	5.0 U	5.0	1	12/18/18 19:46	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 19:46	
Chlorobenzene	5.0 U	5.0	1	12/18/18 19:46	
Chloroethane	5.0 U	5.0	1	12/18/18 19:46	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 19:46	
Chloroform	5.0 U	5.0	1	12/18/18 19:46	
Chloromethane	5.0 U	5.0	1	12/18/18 19:46	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 19:46	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:46	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:46	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 19:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 19:46	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 19:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 19:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 19:46	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 19:46	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 19:46	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 19:46	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 19:46	
Ethylbenzene	5.0 U	5.0	1	12/18/18 19:46	
Methylene Chloride	5.0 U	5.0	1	12/18/18 19:46	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 19:46	
Toluene	5.0 U	5.0	1	12/18/18 19:46	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 19:46	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 19:46	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 19:46	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 19:46	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 19:46	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 19:46	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 19:46	
o-Xylene	5.0 U	5.0	1	12/18/18 19:46	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 19:46	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 06:55
Date Received: 12/15/18 09:00

Sample Name: TRIP BLANK 2 2018 4Q
Lab Code: R1812124-025

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	86	85 - 122	12/18/18 19:46	
Dibromofluoromethane	93	89 - 119	12/18/18 19:46	
Toluene-d8	98	87 - 121	12/18/18 19:46	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 09:45
Date Received: 12/15/18 09:00

Sample Name: DUP-02 2018 4Q
Lab Code: R1812124-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/19/18 14:10	
Bromodichloromethane	5.0 U	5.0	1	12/19/18 14:10	
Bromoform	5.0 U	5.0	1	12/19/18 14:10	
Bromomethane	5.0 U	5.0	1	12/19/18 14:10	
Carbon Tetrachloride	5.0 U	5.0	1	12/19/18 14:10	
Chlorobenzene	5.0 U	5.0	1	12/19/18 14:10	
Chloroethane	5.0 U	5.0	1	12/19/18 14:10	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/19/18 14:10	
Chloroform	5.0 U	5.0	1	12/19/18 14:10	
Chloromethane	5.0 U	5.0	1	12/19/18 14:10	
Dibromochloromethane	5.0 U	5.0	1	12/19/18 14:10	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/19/18 14:10	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/19/18 14:10	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/19/18 14:10	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/19/18 14:10	
1,2-Dichloroethane	5.0 U	5.0	1	12/19/18 14:10	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/19/18 14:10	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/19/18 14:10	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/19/18 14:10	
1,2-Dichloropropane	5.0 U	5.0	1	12/19/18 14:10	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/19/18 14:10	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/19/18 14:10	
Ethylbenzene	5.0 U	5.0	1	12/19/18 14:10	
Methylene Chloride	5.0 U	5.0	1	12/19/18 14:10	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/19/18 14:10	
Toluene	5.0 U	5.0	1	12/19/18 14:10	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/19/18 14:10	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/19/18 14:10	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/19/18 14:10	
Trichloroethene (TCE)	5.0 U	5.0	1	12/19/18 14:10	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/19/18 14:10	
Vinyl Chloride	5.0 U	5.0	1	12/19/18 14:10	
m,p-Xylenes	5.0 U	5.0	1	12/19/18 14:10	
o-Xylene	5.0 U	5.0	1	12/19/18 14:10	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/19/18 14:10	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18 09:45
Date Received: 12/15/18 09:00

Sample Name: DUP-02 2018 4Q
Lab Code: R1812124-026

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	12/19/18 14:10	
Dibromofluoromethane	95	89 - 119	12/19/18 14:10	
Toluene-d8	98	87 - 121	12/19/18 14:10	



Semivolatile Organic Compounds by GC

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 07:35
Date Received: 12/14/18 09:10

Sample Name: W-2 2018 4Q
Lab Code: R1812124-002

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	12/21/18 10:03	12/19/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	56	18 - 152	12/21/18 10:03	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:00
Date Received: 12/14/18 09:10

Sample Name: PW-2 2018 4Q
Lab Code: R1812124-003

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	12/21/18 10:26	12/19/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	72	18 - 152	12/21/18 10:26	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:05
Date Received: 12/14/18 09:10

Sample Name: DUP-01 2018 4Q
Lab Code: R1812124-004

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	12/21/18 10:49	12/19/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	73	18 - 152	12/21/18 10:49	

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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18 08:10
Date Received: 12/14/18 09:10

Sample Name: EQUIPMENT BLANK-01 2018 4Q
Lab Code: R1812124-005

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	12/21/18 11:12	12/19/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	58	18 - 152	12/21/18 11:12	



QC Summary Forms

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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
MW-12 2018 4Q	R1812124-001	86	93	97
W-2 2018 4Q	R1812124-002	89	95	99
PW-2 2018 4Q	R1812124-003	87	93	96
DUP-01 2018 4Q	R1812124-004	88	94	98
EQUIPMENT BLANK-01 2018 4Q	R1812124-005	90	94	98
OW-2 2018 4Q	R1812124-006	89	93	98
OW-1 2018 4Q	R1812124-007	90	95	101
RI-6 2018 4Q	R1812124-008	88	93	98
U-6D 2018 4Q	R1812124-009	91	93	100
OS-9 2018 4Q	R1812124-010	85	92	94
OS-9R 2018 4Q	R1812124-011	90	89	99
OS-12R 2018 4Q	R1812124-012	89	93	98
OS-15R 2018 4Q	R1812124-013	89	93	98
OS-15D 2018 4Q	R1812124-014	89	92	97
TRIP BLANK 2018 4Q	R1812124-015	86	94	97
OS-7R 2018 4Q	R1812124-016	89	93	98
OS-7D 2018 4Q	R1812124-017	88	93	97
OS-11R 2018 4Q	R1812124-018	86	93	97
OS-11D 2018 4Q	R1812124-019	90	94	98
OS-6 2018 4Q	R1812124-020	90	94	99
OS-6R 2018 4Q	R1812124-021	88	91	97
OS-5R 2018 4Q	R1812124-022	88	94	97
OS-5D 2018 4Q	R1812124-023	89	94	98
OS-2R 2018 4Q	R1812124-024	87	93	97
TRIP BLANK 2 2018 4Q	R1812124-025	86	93	98
DUP-02 2018 4Q	R1812124-026	99	95	98
Method Blank	RQ1813882-05	88	94	99
Method Blank	RQ1814055-06	87	94	97
Method Blank	RQ1814056-05	95	93	96
Lab Control Sample	RQ1813882-04	91	97	100
Lab Control Sample	RQ1814055-04	90	98	100
Lab Control Sample	RQ1814056-04	99	94	99
OW-2 2018 4Q MS	RQ1813882-06	91	94	97
OW-2 2018 4Q DMS	RQ1813882-07	95	96	102
OS-6 2018 4Q MS	RQ1814055-07	93	95	98
OS-6 2018 4Q DMS	RQ1814055-08	92	94	98

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dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/13/18
Date Received: 12/14/18
Date Analyzed: 12/17/18

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OW-2 2018 4Q
Lab Code: R1812124-006
Analysis Method: 8260C

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike RQ1813882-06				Duplicate Matrix Spike RQ1813882-07				RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Benzene	5.0 U	49.2	50.0	98	50.0	50.0	100	76-129	2	30
Bromodichloromethane	5.0 U	46.3	50.0	93	47.7	50.0	95	78-133	3	30
Bromoform	5.0 U	44.4	50.0	89	43.9	50.0	88	58-133	1	30
Bromomethane	5.0 U	39.7	50.0	79	45.7	50.0	91	10-184	14	30
Carbon Tetrachloride	5.0 U	48.5	50.0	97	49.1	50.0	98	65-135	1	30
Chlorobenzene	5.0 U	47.6	50.0	95	47.7	50.0	95	76-125	<1	30
Chloroethane	5.0 U	47.1	50.0	94	47.1	50.0	94	48-146	<1	30
2-Chloroethyl Vinyl Ether	5.0 U	33.9	50.0	68	36.4	50.0	73	19-162	7	30
Chloroform	5.0 U	51.2	50.0	102	53.0	50.0	106	75-130	3	30
Chloromethane	5.0 U	43.1	50.0	86	44.5	50.0	89	55-160	3	30
Dibromochloromethane	5.0 U	46.2	50.0	92	46.9	50.0	94	72-128	1	30
1,2-Dichlorobenzene	5.0 U	45.2	50.0	90	46.9	50.0	94	77-120	4	30
1,3-Dichlorobenzene	5.0 U	46.5	50.0	93	47.4	50.0	95	83-121	2	30
1,4-Dichlorobenzene	5.0 U	44.8	50.0	90	46.6	50.0	93	82-120	4	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	50.2	50.0	100	51.7	50.0	103	74-132	3	30
1,2-Dichloroethane	5.0 U	47.7	50.0	95	48.6	50.0	97	68-130	2	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	50.7	50.0	101	52.7	50.0	105	71-118	4	30
trans-1,2-Dichloroethene	5.0 U	51.2	50.0	102	53.2	50.0	106	73-118	4	30
cis-1,2-Dichloroethene	9.7	60.9	50.0	102	62.8	50.0	106	77-127	3	30
1,2-Dichloropropane	5.0 U	45.9	50.0	92	47.1	50.0	94	79-124	3	30
cis-1,3-Dichloropropene	5.0 U	46.0	50.0	92	46.9	50.0	94	52-134	2	30
trans-1,3-Dichloropropene	5.0 U	45.3	50.0	91	47.1	50.0	94	71-133	4	30
Ethylbenzene	5.0 U	48.2	50.0	96	48.9	50.0	98	72-134	1	30
Methylene Chloride	5.0 U	49.4	50.0	99	50.9	50.0	102	73-122	3	30
1,1,2,2-Tetrachloroethane	5.0 U	46.5	50.0	93	47.6	50.0	95	72-122	2	30
Toluene	5.0 U	48.5	50.0	97	50.1	50.0	100	79-119	3	30
1,1,1-Trichloroethane (TCA)	5.0 U	49.9	50.0	100	51.2	50.0	102	74-127	3	30
1,1,2-Trichloroethane	5.0 U	47.3	50.0	95	47.2	50.0	94	82-121	<1	30
Tetrachloroethene (PCE)	5.0 U	50.4	50.0	101	50.8	50.0	102	72-125	<1	30
Trichloroethene (TCE)	5.0 U	49.4	50.0	99	50.2	50.0	100	74-122	2	30
Trichlorofluoromethane (CFC 11)	5.0 U	50.1	50.0	100	51.7	50.0	103	71-136	3	30
Vinyl Chloride	5.0 U	47.5	50.0	95	49.8	50.0	100	74-159	5	30
m,p-Xylenes	5.0 U	98.2	100	98	98.7	100	99	80-126	<1	30
o-Xylene	5.0 U	47.1	50.0	94	47.7	50.0	95	79-123	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: 12/14/18
Date Received: 12/15/18
Date Analyzed: 12/18/18

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Sample Name: OS-6 2018 4Q
Lab Code: R1812124-020
Analysis Method: 8260C

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike RQ1814055-07			Duplicate Matrix Spike RQ1814055-08			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Benzene	5.0 U	49.1	50.0	98	47.4	50.0	95	76-129	3	30
Bromodichloromethane	5.0 U	46.2	50.0	92	46.8	50.0	94	78-133	1	30
Bromoform	5.0 U	44.6	50.0	89	44.4	50.0	89	58-133	<1	30
Bromomethane	5.0 U	44.0	50.0	88	44.6	50.0	89	10-184	1	30
Carbon Tetrachloride	5.0 U	50.3	50.0	101	49.5	50.0	99	65-135	2	30
Chlorobenzene	5.0 U	48.5	50.0	97	48.1	50.0	96	76-125	<1	30
Chloroethane	5.0 U	45.0	50.0	90	44.0	50.0	88	48-146	2	30
2-Chloroethyl Vinyl Ether	5.0 U	44.7	50.0	89	43.6	50.0	87	19-162	2	30
Chloroform	5.0 U	49.6	50.0	99	48.6	50.0	97	75-130	2	30
Chloromethane	5.0 U	41.0	50.0	82	41.2	50.0	82	55-160	<1	30
Dibromochloromethane	5.0 U	47.4	50.0	95	45.8	50.0	92	72-128	4	30
1,2-Dichlorobenzene	5.0 U	46.7	50.0	93	46.4	50.0	93	77-120	<1	30
1,3-Dichlorobenzene	5.0 U	47.8	50.0	96	47.6	50.0	95	83-121	<1	30
1,4-Dichlorobenzene	5.0 U	46.9	50.0	94	46.4	50.0	93	82-120	1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	48.6	50.0	97	47.6	50.0	95	74-132	2	30
1,2-Dichloroethane	5.0 U	48.7	50.0	97	46.7	50.0	93	68-130	4	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	48.8	50.0	98	48.4	50.0	97	71-118	<1	30
trans-1,2-Dichloroethene	5.0 U	49.2	50.0	98	47.6	50.0	95	73-118	3	30
cis-1,2-Dichloroethene	5.0 U	50.9	50.0	102	49.6	50.0	99	77-127	3	30
1,2-Dichloropropane	5.0 U	45.5	50.0	91	45.0	50.0	90	79-124	1	30
cis-1,3-Dichloropropene	5.0 U	45.8	50.0	92	45.0	50.0	90	52-134	2	30
trans-1,3-Dichloropropene	5.0 U	45.7	50.0	91	44.6	50.0	89	71-133	3	30
Ethylbenzene	5.0 U	48.8	50.0	98	48.4	50.0	97	72-134	<1	30
Methylene Chloride	5.0 U	47.7	50.0	95	46.0	50.0	92	73-122	4	30
1,1,2,2-Tetrachloroethane	5.0 U	45.3	50.0	91	44.9	50.0	90	72-122	<1	30
Toluene	5.0 U	50.3	50.0	101	48.6	50.0	97	79-119	3	30
1,1,1-Trichloroethane (TCA)	5.0 U	49.8	50.0	100	48.5	50.0	97	74-127	3	30
1,1,2-Trichloroethane	5.0 U	46.7	50.0	93	45.9	50.0	92	82-121	2	30
Tetrachloroethene (PCE)	5.0 U	52.2	50.0	104	51.9	50.0	104	72-125	<1	30
Trichloroethene (TCE)	5.0 U	49.4	50.0	99	48.0	50.0	96	74-122	3	30
Trichlorofluoromethane (CFC 11)	5.0 U	50.0	50.0	100	49.3	50.0	99	71-136	1	30
Vinyl Chloride	5.0 U	45.9	50.0	92	45.7	50.0	91	74-159	<1	30
m,p-Xylenes	5.0 U	99.8	100	100	96.8	100	97	80-126	3	30
o-Xylene	5.0 U	48.0	50.0	96	47.2	50.0	94	79-123	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1813882-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/17/18 11:25	
Bromodichloromethane	5.0 U	5.0	1	12/17/18 11:25	
Bromoform	5.0 U	5.0	1	12/17/18 11:25	
Bromomethane	5.0 U	5.0	1	12/17/18 11:25	
Carbon Tetrachloride	5.0 U	5.0	1	12/17/18 11:25	
Chlorobenzene	5.0 U	5.0	1	12/17/18 11:25	
Chloroethane	5.0 U	5.0	1	12/17/18 11:25	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/17/18 11:25	
Chloroform	5.0 U	5.0	1	12/17/18 11:25	
Chloromethane	5.0 U	5.0	1	12/17/18 11:25	
Dibromochloromethane	5.0 U	5.0	1	12/17/18 11:25	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/17/18 11:25	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/17/18 11:25	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/17/18 11:25	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/17/18 11:25	
1,2-Dichloroethane	5.0 U	5.0	1	12/17/18 11:25	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/17/18 11:25	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 11:25	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/17/18 11:25	
1,2-Dichloropropane	5.0 U	5.0	1	12/17/18 11:25	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 11:25	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/17/18 11:25	
Ethylbenzene	5.0 U	5.0	1	12/17/18 11:25	
Methylene Chloride	5.0 U	5.0	1	12/17/18 11:25	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/17/18 11:25	
Toluene	5.0 U	5.0	1	12/17/18 11:25	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/17/18 11:25	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/17/18 11:25	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/17/18 11:25	
Trichloroethene (TCE)	5.0 U	5.0	1	12/17/18 11:25	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/17/18 11:25	
Vinyl Chloride	5.0 U	5.0	1	12/17/18 11:25	
m,p-Xylenes	5.0 U	5.0	1	12/17/18 11:25	
o-Xylene	5.0 U	5.0	1	12/17/18 11:25	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/17/18 11:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1813882-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	88	85 - 122	12/17/18 11:25	
Dibromofluoromethane	94	89 - 119	12/17/18 11:25	
Toluene-d8	99	87 - 121	12/17/18 11:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1814055-06

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/18/18 12:37	
Bromodichloromethane	5.0 U	5.0	1	12/18/18 12:37	
Bromoform	5.0 U	5.0	1	12/18/18 12:37	
Bromomethane	5.0 U	5.0	1	12/18/18 12:37	
Carbon Tetrachloride	5.0 U	5.0	1	12/18/18 12:37	
Chlorobenzene	5.0 U	5.0	1	12/18/18 12:37	
Chloroethane	5.0 U	5.0	1	12/18/18 12:37	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/18/18 12:37	
Chloroform	5.0 U	5.0	1	12/18/18 12:37	
Chloromethane	5.0 U	5.0	1	12/18/18 12:37	
Dibromochloromethane	5.0 U	5.0	1	12/18/18 12:37	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/18/18 12:37	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/18/18 12:37	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/18/18 12:37	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/18/18 12:37	
1,2-Dichloroethane	5.0 U	5.0	1	12/18/18 12:37	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/18/18 12:37	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 12:37	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/18/18 12:37	
1,2-Dichloropropane	5.0 U	5.0	1	12/18/18 12:37	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 12:37	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/18/18 12:37	
Ethylbenzene	5.0 U	5.0	1	12/18/18 12:37	
Methylene Chloride	5.0 U	5.0	1	12/18/18 12:37	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/18/18 12:37	
Toluene	5.0 U	5.0	1	12/18/18 12:37	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/18/18 12:37	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/18/18 12:37	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/18/18 12:37	
Trichloroethene (TCE)	5.0 U	5.0	1	12/18/18 12:37	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/18/18 12:37	
Vinyl Chloride	5.0 U	5.0	1	12/18/18 12:37	
m,p-Xylenes	5.0 U	5.0	1	12/18/18 12:37	
o-Xylene	5.0 U	5.0	1	12/18/18 12:37	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/18/18 12:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1814055-06

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	87	85 - 122	12/18/18 12:37	
Dibromofluoromethane	94	89 - 119	12/18/18 12:37	
Toluene-d8	97	87 - 121	12/18/18 12:37	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1814056-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Benzene	5.0 U	5.0	1	12/19/18 13:19	
Bromodichloromethane	5.0 U	5.0	1	12/19/18 13:19	
Bromoform	5.0 U	5.0	1	12/19/18 13:19	
Bromomethane	5.0 U	5.0	1	12/19/18 13:19	
Carbon Tetrachloride	5.0 U	5.0	1	12/19/18 13:19	
Chlorobenzene	5.0 U	5.0	1	12/19/18 13:19	
Chloroethane	5.0 U	5.0	1	12/19/18 13:19	
2-Chloroethyl Vinyl Ether	5.0 U	5.0	1	12/19/18 13:19	
Chloroform	5.0 U	5.0	1	12/19/18 13:19	
Chloromethane	5.0 U	5.0	1	12/19/18 13:19	
Dibromochloromethane	5.0 U	5.0	1	12/19/18 13:19	
1,2-Dichlorobenzene	5.0 U	5.0	1	12/19/18 13:19	
1,3-Dichlorobenzene	5.0 U	5.0	1	12/19/18 13:19	
1,4-Dichlorobenzene	5.0 U	5.0	1	12/19/18 13:19	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	12/19/18 13:19	
1,2-Dichloroethane	5.0 U	5.0	1	12/19/18 13:19	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	12/19/18 13:19	
trans-1,2-Dichloroethene	5.0 U	5.0	1	12/19/18 13:19	
cis-1,2-Dichloroethene	5.0 U	5.0	1	12/19/18 13:19	
1,2-Dichloropropane	5.0 U	5.0	1	12/19/18 13:19	
cis-1,3-Dichloropropene	5.0 U	5.0	1	12/19/18 13:19	
trans-1,3-Dichloropropene	5.0 U	5.0	1	12/19/18 13:19	
Ethylbenzene	5.0 U	5.0	1	12/19/18 13:19	
Methylene Chloride	5.0 U	5.0	1	12/19/18 13:19	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	12/19/18 13:19	
Toluene	5.0 U	5.0	1	12/19/18 13:19	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	12/19/18 13:19	
1,1,2-Trichloroethane	5.0 U	5.0	1	12/19/18 13:19	
Tetrachloroethene (PCE)	5.0 U	5.0	1	12/19/18 13:19	
Trichloroethene (TCE)	5.0 U	5.0	1	12/19/18 13:19	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	12/19/18 13:19	
Vinyl Chloride	5.0 U	5.0	1	12/19/18 13:19	
m,p-Xylenes	5.0 U	5.0	1	12/19/18 13:19	
o-Xylene	5.0 U	5.0	1	12/19/18 13:19	
Total Target Volatiles (TTV)	5.0 U	5.0	1	12/19/18 13:19	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1814056-05

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analysis Method: 8260C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	12/19/18 13:19	
Dibromofluoromethane	93	89 - 119	12/19/18 13:19	
Toluene-d8	96	87 - 121	12/19/18 13:19	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/17/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1813882-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	19.3	20.0	97	79-119
Bromodichloromethane	8260C	18.5	20.0	92	81-123
Bromoform	8260C	17.4	20.0	87	65-146
Bromomethane	8260C	16.5	20.0	83	42-166
Carbon Tetrachloride	8260C	19.0	20.0	95	70-127
Chlorobenzene	8260C	18.8	20.0	94	80-121
Chloroethane	8260C	18.0	20.0	90	62-131
2-Chloroethyl Vinyl Ether	8260C	9.47	20.0	47	19-162
Chloroform	8260C	20.3	20.0	101	79-120
Chloromethane	8260C	16.6	20.0	83	65-135
Dibromochloromethane	8260C	18.2	20.0	91	72-128
1,2-Dichlorobenzene	8260C	18.8	20.0	94	80-119
1,3-Dichlorobenzene	8260C	18.8	20.0	94	83-121
1,4-Dichlorobenzene	8260C	18.7	20.0	93	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	20.5	20.0	102	80-124
1,2-Dichloroethane	8260C	19.1	20.0	96	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	20.6	20.0	103	71-118
trans-1,2-Dichloroethene	8260C	20.5	20.0	103	73-118
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121
1,2-Dichloropropane	8260C	18.3	20.0	92	80-119
cis-1,3-Dichloropropene	8260C	18.8	20.0	94	77-122
trans-1,3-Dichloropropene	8260C	18.5	20.0	92	71-133
Ethylbenzene	8260C	18.9	20.0	94	76-120
Methylene Chloride	8260C	20.4	20.0	102	73-122
1,1,2,2-Tetrachloroethane	8260C	20.2	20.0	101	78-126
Toluene	8260C	19.7	20.0	98	79-119
1,1,1-Trichloroethane (TCA)	8260C	20.2	20.0	101	75-125
1,1,2-Trichloroethane	8260C	19.3	20.0	97	82-121
Tetrachloroethene (PCE)	8260C	18.8	20.0	94	72-125
Trichloroethene (TCE)	8260C	18.3	20.0	91	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.6	20.0	103	71-136
Vinyl Chloride	8260C	18.4	20.0	92	74-159
m,p-Xylenes	8260C	38.0	40.0	95	80-126

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/17/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1813882-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	18.1	20.0	90	79-123

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/18/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1814055-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	18.7	20.0	94	79-119
Bromodichloromethane	8260C	18.1	20.0	91	81-123
Bromoform	8260C	17.8	20.0	89	65-146
Bromomethane	8260C	17.3	20.0	87	42-166
Carbon Tetrachloride	8260C	18.3	20.0	92	70-127
Chlorobenzene	8260C	18.7	20.0	93	80-121
Chloroethane	8260C	17.7	20.0	89	62-131
2-Chloroethyl Vinyl Ether	8260C	11.4	20.0	57	19-162
Chloroform	8260C	19.1	20.0	95	79-120
Chloromethane	8260C	16.0	20.0	80	65-135
Dibromochloromethane	8260C	18.2	20.0	91	72-128
1,2-Dichlorobenzene	8260C	18.5	20.0	93	80-119
1,3-Dichlorobenzene	8260C	18.7	20.0	94	83-121
1,4-Dichlorobenzene	8260C	18.4	20.0	92	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	18.7	20.0	93	80-124
1,2-Dichloroethane	8260C	18.5	20.0	93	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	18.5	20.0	92	71-118
trans-1,2-Dichloroethene	8260C	19.1	20.0	95	73-118
cis-1,2-Dichloroethene	8260C	19.5	20.0	98	80-121
1,2-Dichloropropane	8260C	17.4	20.0	87	80-119
cis-1,3-Dichloropropene	8260C	17.7	20.0	89	77-122
trans-1,3-Dichloropropene	8260C	17.7	20.0	88	71-133
Ethylbenzene	8260C	18.0	20.0	90	76-120
Methylene Chloride	8260C	18.8	20.0	94	73-122
1,1,2,2-Tetrachloroethane	8260C	19.0	20.0	95	78-126
Toluene	8260C	18.8	20.0	94	79-119
1,1,1-Trichloroethane (TCA)	8260C	18.0	20.0	90	75-125
1,1,2-Trichloroethane	8260C	18.8	20.0	94	82-121
Tetrachloroethene (PCE)	8260C	18.2	20.0	91	72-125
Trichloroethene (TCE)	8260C	17.9	20.0	89	74-122
Trichlorofluoromethane (CFC 11)	8260C	19.1	20.0	96	71-136
Vinyl Chloride	8260C	17.8	20.0	89	74-159
m,p-Xylenes	8260C	36.9	40.0	92	80-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/18/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1814055-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	18.0	20.0	90	79-123

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/19/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L
Basis:NA

Lab Control Sample
RQ1814056-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Benzene	8260C	20.0	20.0	100	79-119
Bromodichloromethane	8260C	19.4	20.0	97	81-123
Bromoform	8260C	19.5	20.0	97	65-146
Bromomethane	8260C	18.3	20.0	92	42-166
Carbon Tetrachloride	8260C	20.5	20.0	102	70-127
Chlorobenzene	8260C	18.9	20.0	94	80-121
Chloroethane	8260C	18.7	20.0	94	62-131
2-Chloroethyl Vinyl Ether	8260C	20.8	20.0	104	19-162
Chloroform	8260C	21.0	20.0	105	79-120
Chloromethane	8260C	17.2	20.0	86	65-135
Dibromochloromethane	8260C	18.1	20.0	90	72-128
1,2-Dichlorobenzene	8260C	18.4	20.0	92	80-119
1,3-Dichlorobenzene	8260C	18.5	20.0	92	83-121
1,4-Dichlorobenzene	8260C	18.7	20.0	94	79-119
1,1-Dichloroethane (1,1-DCA)	8260C	20.1	20.0	101	80-124
1,2-Dichloroethane	8260C	20.5	20.0	103	71-127
1,1-Dichloroethene (1,1-DCE)	8260C	20.6	20.0	103	71-118
trans-1,2-Dichloroethene	8260C	21.4	20.0	107	73-118
cis-1,2-Dichloroethene	8260C	21.1	20.0	105	80-121
1,2-Dichloropropane	8260C	19.9	20.0	99	80-119
cis-1,3-Dichloropropene	8260C	19.3	20.0	96	77-122
trans-1,3-Dichloropropene	8260C	19.4	20.0	97	71-133
Ethylbenzene	8260C	19.0	20.0	95	76-120
Methylene Chloride	8260C	20.3	20.0	102	73-122
1,1,2,2-Tetrachloroethane	8260C	19.6	20.0	98	78-126
Toluene	8260C	20.5	20.0	102	79-119
1,1,1-Trichloroethane (TCA)	8260C	20.7	20.0	104	75-125
1,1,2-Trichloroethane	8260C	20.2	20.0	101	82-121
Tetrachloroethene (PCE)	8260C	19.1	20.0	95	72-125
Trichloroethene (TCE)	8260C	20.2	20.0	101	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.5	20.0	103	71-136
Vinyl Chloride	8260C	19.8	20.0	99	74-159
m,p-Xylenes	8260C	38.7	40.0	97	80-126

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/19/18

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1814056-04

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	18.6	20.0	93	79-123

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/17/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\121718\D8240.D\

Calibration Date: 12/3/18
Calibration ID: RC1800148
Analysis Lot: 619006
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	52.0	1.497	1.556	3.9	NA	± 20 %	Average RF
Bromodichloromethane	50.0	50.9	0.5203	0.5295	1.8	NA	± 20 %	Average RF
Bromoform	50.0	48.8	0.3099	0.3026	-2.4	NA	± 20 %	Average RF
Bromomethane	50.0	51.0	NA	NA	NA	1.9	± 20 %	Quadratic
Carbon Tetrachloride	50.0	52.0	0.4888	0.5086	4.0	NA	± 20 %	Average RF
Chlorobenzene	50.0	50.6	1.122	1.136	1.2	NA	± 20 %	Average RF
Chloroethane	50.0	56.2	NA	NA	NA	12.4	± 20 %	Quadratic
2-Chloroethyl Vinyl Ether	50.0	37.0	0.1644	0.1216	-26.0 *	NA	± 20 %	Average RF
Chloroform	50.0	53.2	0.9807	1.043	6.3	NA	± 20 %	Average RF
Chloromethane	50.0	44.5	0.9383	0.8349	-11.0	NA	± 20 %	Average RF
Dibromochloromethane	50.0	50.0	0.4366	0.4364	-0.1	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	50.3	1.651	1.659	0.5	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	50.9	1.652	1.680	1.7	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	49.9	1.708	1.706	-0.1	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	53.3	1.114	1.188	6.7	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	51.4	0.6262	0.6442	2.9	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	53.6	0.4930	0.5285	7.2	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	54.0	0.5190	0.5605	8.0	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	54.4	0.5718	0.6222	8.8	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	49.1	0.4399	0.4317	-1.9	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	49.8	0.6819	0.6790	-0.4	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	49.9	0.6261	0.6249	-0.2	NA	± 20 %	Average RF
Ethylbenzene	50.0	51.5	0.6111	0.6298	3.1	NA	± 20 %	Average RF
Methylene Chloride	50.0	53.4	0.5609	0.5985	6.7	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.0	1.089	1.088	-0.1	NA	± 20 %	Average RF
Toluene	50.0	52.4	1.570	1.646	4.8	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	52.9	0.8626	0.9122	5.7	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	51.1	0.3508	0.3586	2.2	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	50.6	0.3395	0.3433	1.1	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	49.4	0.3810	0.3765	-1.2	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	54.8	0.8264	0.9051	9.5	NA	± 20 %	Average RF
Vinyl Chloride	50.0	50.3	0.7572	0.7622	0.7	NA	± 20 %	Average RF
m,p-Xylenes	100	105	0.7381	0.7731	4.7	NA	± 20 %	Average RF
o-Xylene	50.0	48.8	0.7520	0.7335	-2.5	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	45.8	0.5427	0.4968	-8.5	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	47.8	0.3340	0.3191	-4.5	NA	± 20 %	Average RF
Toluene-d8	50.0	49.4	NA	NA	NA	-1.2	± 20 %	Linear

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/18/18

**Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

Analytical Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\121818\D8273.D\

Calibration Date: 12/3/18
Calibration ID: RC1800148
Analysis Lot: 619240
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	47.7	1.497	1.428	-4.6	NA	± 20 %	Average RF
Bromodichloromethane	50.0	46.3	0.5203	0.4816	-7.4	NA	± 20 %	Average RF
Bromoform	50.0	46.9	0.3099	0.2903	-6.3	NA	± 20 %	Average RF
Bromomethane	50.0	44.7	NA	NA	NA	-10.6	± 20 %	Quadratic
Carbon Tetrachloride	50.0	48.1	0.4888	0.4702	-3.8	NA	± 20 %	Average RF
Chlorobenzene	50.0	46.7	1.122	1.049	-6.5	NA	± 20 %	Average RF
Chloroethane	50.0	49.5	NA	NA	NA	-1.1	± 20 %	Quadratic
2-Chloroethyl Vinyl Ether	50.0	32.9	0.1644	0.1081	-34.2 *	NA	± 20 %	Average RF
Chloroform	50.0	47.3	0.9807	0.9280	-5.4	NA	± 20 %	Average RF
Chloromethane	50.0	41.4	0.9383	0.7763	-17.3	NA	± 20 %	Average RF
Dibromochloromethane	50.0	47.0	0.4366	0.4105	-6.0	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	47.2	1.651	1.557	-5.7	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	48.2	1.652	1.591	-3.7	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	47.6	1.708	1.625	-4.9	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	47.2	1.114	1.051	-5.7	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	46.9	0.6262	0.5873	-6.2	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	48.2	0.4930	0.4753	-3.6	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	47.9	0.5190	0.4970	-4.2	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	47.7	0.5718	0.5460	-4.5	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	45.3	0.4399	0.3989	-9.3	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	45.0	0.6819	0.6139	-10.0	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	45.8	0.6261	0.5730	-8.5	NA	± 20 %	Average RF
Ethylbenzene	50.0	46.9	0.6111	0.5726	-6.3	NA	± 20 %	Average RF
Methylene Chloride	50.0	46.9	0.5609	0.5263	-6.2	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	46.5	1.089	1.013	-7.0	NA	± 20 %	Average RF
Toluene	50.0	47.8	1.570	1.501	-4.4	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	47.9	0.8626	0.8269	-4.1	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	47.6	0.3508	0.3339	-4.8	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	48.0	0.3395	0.3255	-4.1	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	46.0	0.3810	0.3509	-7.9	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	49.9	0.8264	0.8246	-0.2	NA	± 20 %	Average RF
Vinyl Chloride	50.0	44.3	0.7572	0.6711	-11.4	NA	± 20 %	Average RF
m,p-Xylenes	100	94.7	0.7381	0.6987	-5.3	NA	± 20 %	Average RF
o-Xylene	50.0	45.5	0.7520	0.6847	-9.0	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	45.8	0.5427	0.4976	-8.3	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	47.8	0.3340	0.3190	-4.5	NA	± 20 %	Average RF
Toluene-d8	50.0	49.1	NA	NA	NA	-1.8	± 20 %	Linear

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/19/18

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\121918\D8307.D\

Calibration Date: 12/3/18
Calibration ID: RC1800148
Analysis Lot: 619431
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzene	50.0	53.0	1.497	1.587	6.0	NA	± 20 %	Average RF
Bromodichloromethane	50.0	52.5	0.5203	0.5466	5.0	NA	± 20 %	Average RF
Bromoform	50.0	51.9	0.3099	0.3215	3.7	NA	± 20 %	Average RF
Bromomethane	50.0	51.2	NA	NA	NA	2.4	± 20 %	Quadratic
Carbon Tetrachloride	50.0	55.3	0.4888	0.5409	10.7	NA	± 20 %	Average RF
Chlorobenzene	50.0	49.7	1.122	1.115	-0.6	NA	± 20 %	Average RF
Chloroethane	50.0	54.6	NA	NA	NA	9.2	± 20 %	Quadratic
2-Chloroethyl Vinyl Ether	50.0	49.5	0.1644	0.1627	-1.1	NA	± 20 %	Average RF
Chloroform	50.0	54.6	0.9807	1.071	9.2	NA	± 20 %	Average RF
Chloromethane	50.0	44.5	0.9383	0.8356	-10.9	NA	± 20 %	Average RF
Dibromochloromethane	50.0	50.8	0.4366	0.4436	1.6	NA	± 20 %	Average RF
1,2-Dichlorobenzene	50.0	49.0	1.651	1.617	-2.0	NA	± 20 %	Average RF
1,3-Dichlorobenzene	50.0	49.9	1.652	1.650	-0.1	NA	± 20 %	Average RF
1,4-Dichlorobenzene	50.0	48.5	1.708	1.656	-3.1	NA	± 20 %	Average RF
1,1-Dichloroethane (1,1-DCA)	50.0	52.4	1.114	1.167	4.8	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	52.4	0.6262	0.6563	4.8	NA	± 20 %	Average RF
1,1-Dichloroethene (1,1-DCE)	50.0	54.2	0.4930	0.5347	8.5	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	53.5	0.5190	0.5556	7.0	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	54.1	0.5718	0.6191	8.3	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	50.3	0.4399	0.4427	0.6	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	51.1	0.6819	0.6963	2.1	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	50.9	0.6261	0.6371	1.8	NA	± 20 %	Average RF
Ethylbenzene	50.0	49.4	0.6111	0.6038	-1.2	NA	± 20 %	Average RF
Methylene Chloride	50.0	52.5	0.5609	0.5886	4.9	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	46.0	1.089	1.002	-8.0	NA	± 20 %	Average RF
Toluene	50.0	54.0	1.570	1.695	8.0	NA	± 20 %	Average RF
1,1,1-Trichloroethane (TCA)	50.0	54.0	0.8626	0.9321	8.1	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	52.0	0.3508	0.3649	4.0	NA	± 20 %	Average RF
Tetrachloroethene (PCE)	50.0	51.1	0.3395	0.3467	2.1	NA	± 20 %	Average RF
Trichloroethene (TCE)	50.0	52.4	0.3810	0.3991	4.7	NA	± 20 %	Average RF
Trichlorofluoromethane (CFC 11)	50.0	55.8	0.8264	0.9216	11.5	NA	± 20 %	Average RF
Vinyl Chloride	50.0	49.4	0.7572	0.7485	-1.1	NA	± 20 %	Average RF
m,p-Xylenes	100	102	0.7381	0.7533	2.1	NA	± 20 %	Average RF
o-Xylene	50.0	49.5	0.7520	0.7447	-1.0	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	49.6	0.5427	0.5380	-0.9	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	46.7	0.3340	0.3121	-6.6	NA	± 20 %	Average RF
Toluene-d8	50.0	48.6	NA	NA	NA	-2.8	± 20 %	Linear

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/17/18 09:36

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUADATA\msvoa10\data\121718\D8240.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1813882-02
Analysis Lot: 619006
Signal ID: 1

	Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	319,128	9.80	359,251	6.49	179,934	11.85
Upper Limit ==>	638,256	10.30	718,502	6.99	359,868	12.35
Lower Limit ==>	159,564	9.30	179,626	5.99	89,967	11.35
ICAL Result ==>	335,896	9.80	380,705	6.49	183,538	11.85

Associated Analyses

Lab Control Sample	RQ1813882-04	311,760	9.80	355,128	6.49	169,019	11.85
Method Blank	RQ1813882-05	320,337	9.80	358,804	6.49	163,283	11.85
TRIP BLANK 2018 4Q	R1812124-015	309,091	9.80	360,366	6.49	159,225	11.85
EQUIPMENT BLANK-01 2018 4Q	R1812124-005	310,309	9.80	354,683	6.49	158,879	11.85
W-2 2018 4Q	R1812124-002	317,766	9.80	362,797	6.49	160,227	11.85
OW-2 2018 4Q	R1812124-006	316,557	9.80	364,583	6.49	165,460	11.85
OW-1 2018 4Q	R1812124-007	313,887	9.80	358,693	6.49	160,246	11.85
RI-6 2018 4Q	R1812124-008	304,893	9.80	353,441	6.49	155,904	11.85
U-6D 2018 4Q	R1812124-009	312,501	9.80	356,818	6.49	157,403	11.85
OS-9 2018 4Q	R1812124-010	313,789	9.80	362,194	6.49	159,796	11.85
OS-9R 2018 4Q	R1812124-011	305,749	9.80	353,972	6.49	156,328	11.85
OS-12R 2018 4Q	R1812124-012	305,605	9.80	350,310	6.49	161,069	11.85
OS-15R 2018 4Q	R1812124-013	296,968	9.80	343,569	6.49	156,926	11.85
OS-15D 2018 4Q	R1812124-014	300,372	9.80	346,068	6.49	156,879	11.85
OW-2 2018 4QMS	RQ1813882-06	314,277	9.80	361,398	6.49	178,644	11.85
OW-2 2018 4QDMS	RQ1813882-07	313,484	9.80	354,837	6.49	174,078	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/17/18 09:36

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUADATA\msvoa10\data\121718\D8240.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1813882-02
Analysis Lot: 619006
Signal ID: 1

Pentafluorobenzene		
	<u>Area</u>	<u>RT</u>
Results ==>	234,755	5.39
Upper Limit ==>	469,510	5.89
Lower Limit ==>	117,378	4.89
ICAL Result ==>	259,861	5.39

Associated Analyses

Lab Control Sample	RQ1813882-04	231,567	5.39
Method Blank	RQ1813882-05	234,542	5.39
TRIP BLANK 2018 4Q	R1812124-015	234,439	5.39
EQUIPMENT BLANK-01 2018 4Q	R1812124-005	229,744	5.38
W-2 2018 4Q	R1812124-002	236,728	5.39
OW-2 2018 4Q	R1812124-006	237,045	5.39
OW-1 2018 4Q	R1812124-007	234,531	5.39
RI-6 2018 4Q	R1812124-008	227,698	5.39
U-6D 2018 4Q	R1812124-009	236,435	5.39
OS-9 2018 4Q	R1812124-010	232,178	5.39
OS-9R 2018 4Q	R1812124-011	231,230	5.39
OS-12R 2018 4Q	R1812124-012	231,127	5.39
OS-15R 2018 4Q	R1812124-013	221,960	5.39
OS-15D 2018 4Q	R1812124-014	230,635	5.39
OW-2 2018 4QMS	RQ1813882-06	237,089	5.39
OW-2 2018 4QDMS	RQ1813882-07	231,495	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/18/18 11:00

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved**

File ID: I:\ACQUDATA\msvoa10\data\121818\D8273.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1814055-02
Analysis Lot: 619240
Signal ID: 1

	Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>	337,170	9.80	376,677	6.49	186,238	11.85
Upper Limit ==>	674,340	10.30	753,354	6.99	372,476	12.35
Lower Limit ==>	168,585	9.30	188,339	5.99	93,119	11.35
ICAL Result ==>	335,896	9.80	380,705	6.49	183,538	11.85

Associated Analyses

Lab Control Sample	RQ1814055-04	329,260	9.80	371,033	6.49	178,342	11.85
Method Blank	RQ1814055-06	315,495	9.80	356,758	6.49	169,103	11.85
DUP-01 2018 4Q	R1812124-004	320,355	9.80	364,707	6.49	166,268	11.85
PW-2 2018 4Q	R1812124-003	318,290	9.80	365,554	6.49	163,534	11.85
MW-12 2018 4Q	R1812124-001	317,592	9.80	357,625	6.49	161,326	11.85
OS-7R 2018 4Q	R1812124-016	318,881	9.80	364,409	6.49	163,659	11.85
OS-7D 2018 4Q	R1812124-017	318,253	9.80	363,253	6.49	162,441	11.85
OS-11R 2018 4Q	R1812124-018	315,478	9.80	363,255	6.49	161,402	11.85
OS-11D 2018 4Q	R1812124-019	311,555	9.80	354,350	6.49	165,366	11.85
OS-6 2018 4Q	R1812124-020	311,611	9.80	356,583	6.49	161,343	11.85
OS-6R 2018 4Q	R1812124-021	306,713	9.80	352,660	6.49	160,220	11.85
OS-5R 2018 4Q	R1812124-022	317,753	9.80	364,148	6.49	163,667	11.85
OS-5D 2018 4Q	R1812124-023	304,257	9.80	345,384	6.49	161,706	11.85
OS-2R 2018 4Q	R1812124-024	306,457	9.80	354,545	6.49	160,231	11.85
TRIP BLANK 2 2018 4Q	R1812124-025	315,205	9.80	358,729	6.49	167,320	11.85
OS-6 2018 4QMS	RQ1814055-07	311,466	9.80	352,821	6.49	176,605	11.85
OS-6 2018 4QDMS	RQ1814055-08	325,198	9.80	372,275	6.49	181,622	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/18/18 11:00

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\121818\D8273.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1814055-02
Analysis Lot: 619240
Signal ID: 1

Pentafluorobenzene		
	<u>Area</u>	<u>RT</u>
Results ==>	255,053	5.38
Upper Limit ==>	510,106	5.88
Lower Limit ==>	127,527	4.88
ICAL Result ==>	259,861	5.39

Associated Analyses

Lab Control Sample	RQ1814055-04	251,045	5.39
Method Blank	RQ1814055-06	240,669	5.39
DUP-01 2018 4Q	R1812124-004	243,288	5.39
PW-2 2018 4Q	R1812124-003	242,709	5.39
MW-12 2018 4Q	R1812124-001	240,000	5.39
OS-7R 2018 4Q	R1812124-016	243,178	5.39
OS-7D 2018 4Q	R1812124-017	240,892	5.39
OS-11R 2018 4Q	R1812124-018	244,027	5.39
OS-11D 2018 4Q	R1812124-019	238,601	5.39
OS-6 2018 4Q	R1812124-020	240,401	5.39
OS-6R 2018 4Q	R1812124-021	236,741	5.38
OS-5R 2018 4Q	R1812124-022	242,580	5.39
OS-5D 2018 4Q	R1812124-023	232,120	5.39
OS-2R 2018 4Q	R1812124-024	240,167	5.39
TRIP BLANK 2 2018 4Q	R1812124-025	242,300	5.39
OS-6 2018 4QMS	RQ1814055-07	241,456	5.39
OS-6 2018 4QDMS	RQ1814055-08	254,217	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/19/18 11:34

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\121918\D8307.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1814056-02
Analysis Lot: 619431
Signal ID: 1

		Chlorobenzene-d5		1,4-Difluorobenzene		1,4-Dichlorobenzene-d4	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		346,556	9.80	367,813	6.49	200,225	11.85
Upper Limit ==>		693,112	10.30	735,626	6.99	400,450	12.35
Lower Limit ==>		173,278	9.30	183,907	5.99	100,113	11.35
ICAL Result ==>		335,896	9.80	380,705	6.49	183,538	11.85
<i>Associated Analyses</i>							
Lab Control Sample	RQ1814056-04	332,966	9.80	357,508	6.49	186,041	11.85
Method Blank	RQ1814056-05	330,825	9.80	361,469	6.49	179,439	11.85
DUP-02 2018 4Q	R1812124-026	333,556	9.80	355,141	6.49	176,298	11.85

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00

Service Request: R1812124
Date Analyzed: 12/19/18 11:34

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS, Unpreserved

File ID: I:\ACQUDATA\msvoa10\data\121918\D8307.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ1814056-02
Analysis Lot: 619431
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		246,619	5.39
Upper Limit ==>		493,238	5.89
Lower Limit ==>		123,310	4.89
ICAL Result ==>		259,861	5.39
Associated Analyses			
Lab Control Sample	RQ1814056-04	238,732	5.39
Method Blank	RQ1814056-05	237,588	5.39
DUP-02 2018 4Q	R1812124-026	235,470	5.39

Results flagged with an asterisk (*) indicate values outside control criteria.



Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124

SURROGATE RECOVERY SUMMARY
Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Extraction Method: EPA 3510C

Sample Name	Lab Code	o-Terphenyl
		18-152
W-2 2018 4Q	R1812124-002	56
PW-2 2018 4Q	R1812124-003	72
DUP-01 2018 4Q	R1812124-004	73
EQUIPMENT BLANK-01 2018 4Q	R1812124-005	58
Method Blank	RQ1813946-01	66
Lab Control Sample	RQ1813946-02	63
Duplicate Lab Control Sample	RQ1813946-03	56

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1813946-01

Units: ug/L
Basis: NA

Hydrocarbon Scan by GC-FID

Analysis Method: 8015C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mineral Spirits	100 U	100	1	12/21/18 08:54	12/19/18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	66	18 - 152	12/21/18 08:54	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Blauvelt/461-00-00
Sample Matrix: Water

Service Request: R1812124
Date Analyzed: 12/21/18

Duplicate Lab Control Sample Summary
Hydrocarbon Scan by GC-FID

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ1813946-02

Duplicate Lab Control Sample

RQ1813946-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Mineral Spirits	8015C	212	499	42	181	499	36	10-136	16	30



APPENDIX C

MONTHLY PERFORMANCE REPORT



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ARCHITECTS ENGINEERS PLANNERS

JANUARY 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
January 2018

Operational Status

The GTP achieved an uptime of 100% for the month of January.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = 100%

Influent groundwater concentration measured on January 10, 2018 prior to the primary AST detected 13.9 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent was non-detected.

System Compliance

Based on samples collected on January 10, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.51 pounds of VOCs were removed. Approximately 0.51 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 2.67 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 2.67 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

1/3/2018: Descaler delivered by A. Duie Pyle and replaced into system holding by Eastern Instruments.

1/10/2018: Samples were collected.

1/3/2018 & 1/26/2018: System Data were collected.

1/3/2018 & 1/26/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

JANUARY 2018

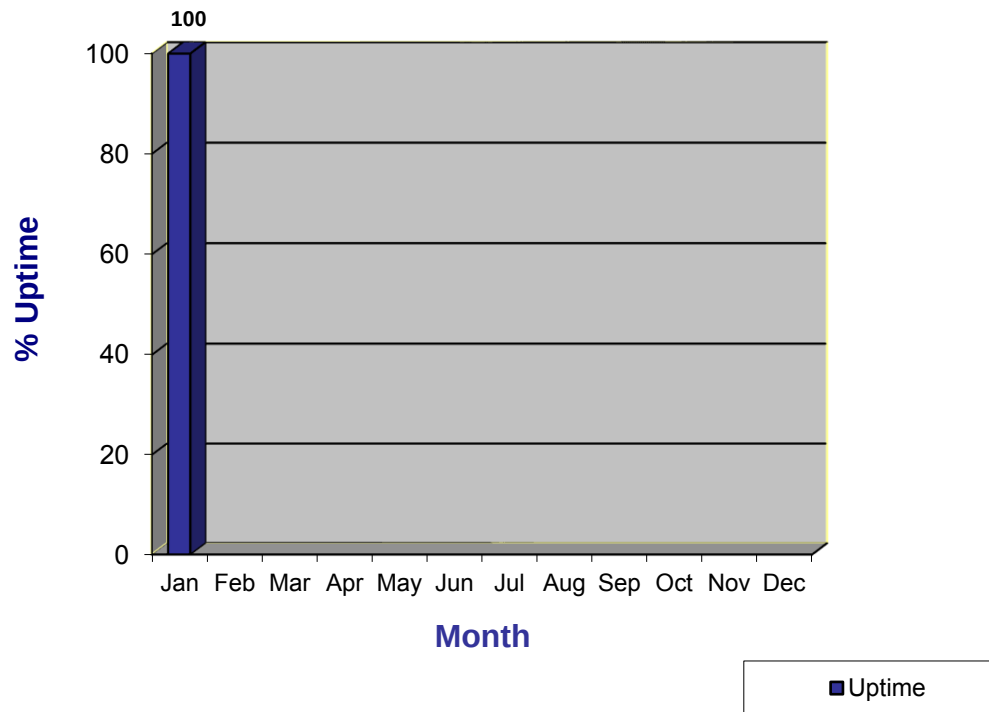
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb									
Mar									
Apr									
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
	100.0	0.0	0.0	0.0	2.67	0.0000	0.000	0.0	0.51

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
JANUARY 2018 ONSITE GTP DISCHARGE SUMMARY**

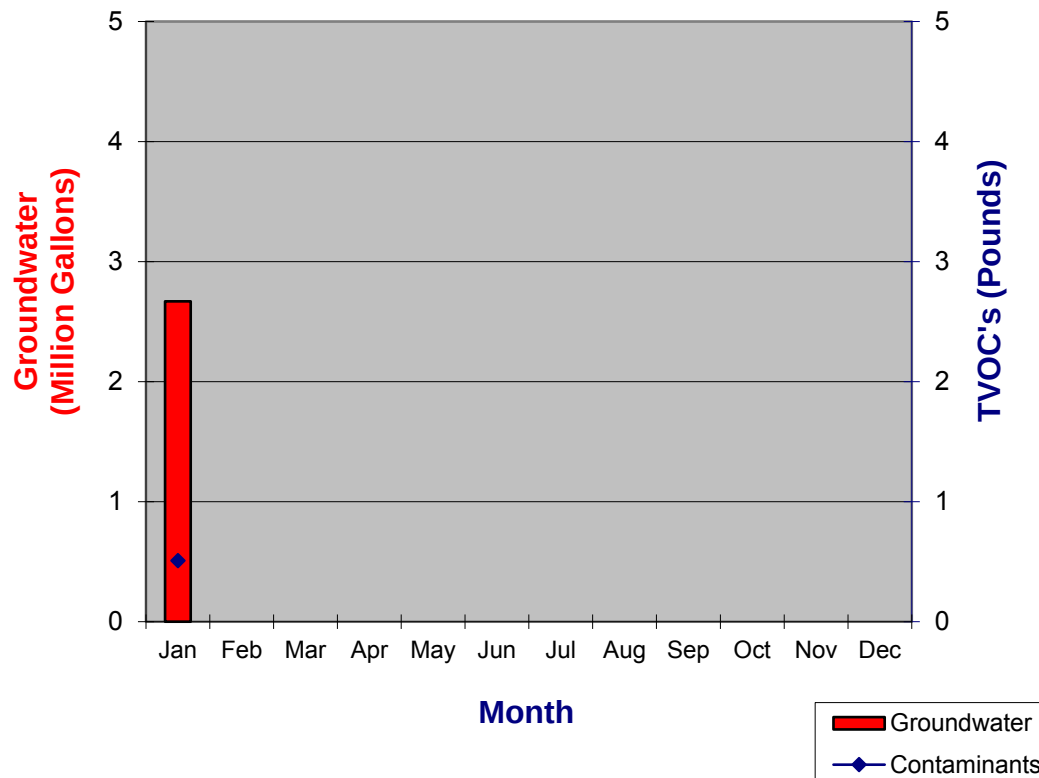
Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.088411	24	0.0228	0.02	
2	0.088505	24	0.0228	0.02	
3	0.088293	24	0.0228	0.02	
4	0.088518	24	0.0228	0.02	
5	0.087849	24	0.0228	0.02	
6	0.087650	24	0.0228	0.02	
7	0.087505	24	0.0228	0.02	
8	0.087339	24	0.0228	0.02	
9	0.087132	24	0.0228	0.02	
10	0.086849	24	0.0228	0.02	
11	0.086727	24	0.0228	0.02	
12	0.087518	24	0.0228	0.02	
13	0.089525	24	0.0228	0.02	
14	0.090083	24	0.0228	0.02	
15	0.089877	24	0.0228	0.02	
16	0.089613	24	0.0228	0.02	
17	0.089705	24	0.0228	0.02	
18	0.089465	24	0.0228	0.02	
19	0.089304	24	0.0228	0.02	
20	0.089045	24	0.0228	0.02	
21	0.088698	24	0.0228	0.02	
22	0.088708	24	0.0228	0.02	
23	0.089468	24	0.0228	0.02	
24	0.090226	24	0.0228	0.02	
25	0.090497	24	0.0228	0.02	
26	0.090354	24	0.0228	0.02	
27	0.090462	24	0.0228	0.02	
28	0.090560	24	0.0228	0.02	
29	0.090676	24	0.0228	0.02	
30	0.090662	24	0.0228	0.02	
31	0.090688	24	0.0228	0.02	

TOTAL HOURS OPERATED:	744
TOTAL MILLION GALLONS:	2.669
AVERAGE FLOW RATE WHILE OPERATING (GPM):	59.8
POUNDS RECOVERED:	0.51

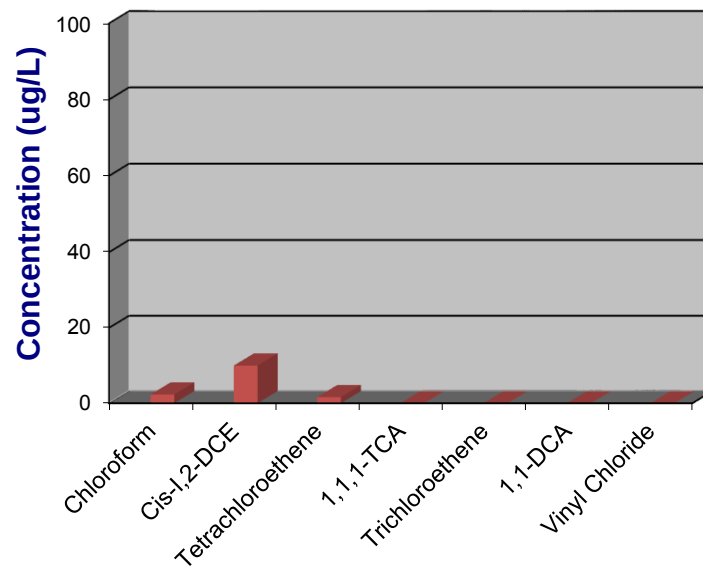
Blauvelt GTP 2018 Uptime



Blauvelt GTP 2018 Groundwater and VOC's



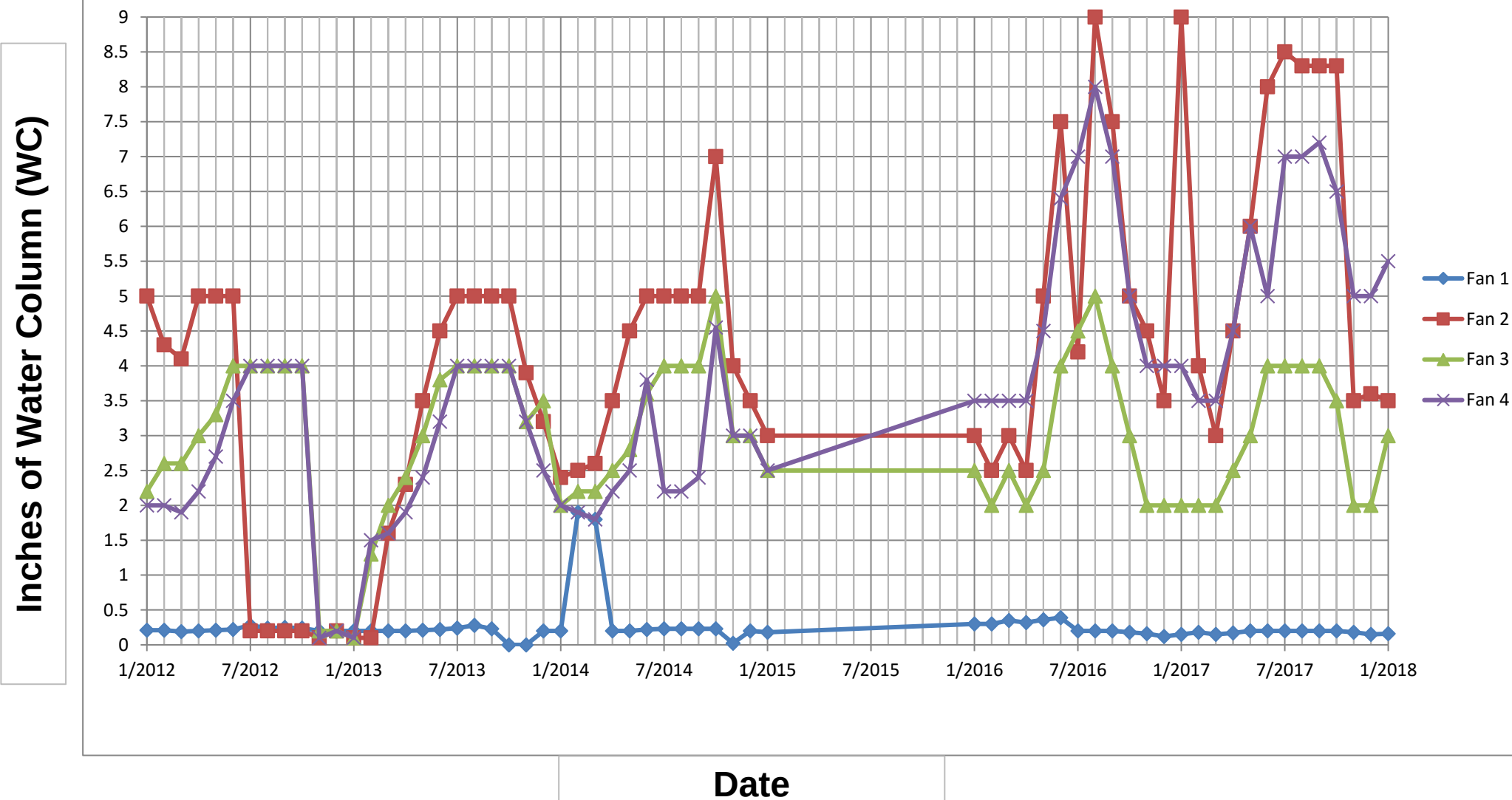
**Blauvelt GTP
Contaminant Stream Influent**



January 2018

GTP Influent	VOCs (ppb)
Chloroform	2.3
Cis-1,2-DCE	10.0
Tetrachloroethene	1.6
1,1,1-TCA	ND
Trichloroethene	ND
1,1-DCA	ND
Vinyl Chloride	ND
Total	13.9

2012-2018 SSD Fan Vacuum Reading Trending Chart





BERGMANN
ARCHITECTS ENGINEERS PLANNERS

FEBRUARY 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
February 2018

Operational Status

The GTP achieved an uptime of 100% for the month of February.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = 100%

Influent groundwater concentration measured on February 13, 2018 prior to the primary AST detected 22.2 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent was non-detected.

System Compliance

Based on samples collected on February 13, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.52 pounds of VOCs were removed. Approximately 1.03 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 2.76 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 5.43 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

2/13/2018: Samples were collected.

2/6/2018 & 2/23/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

FEBRUARY 2018

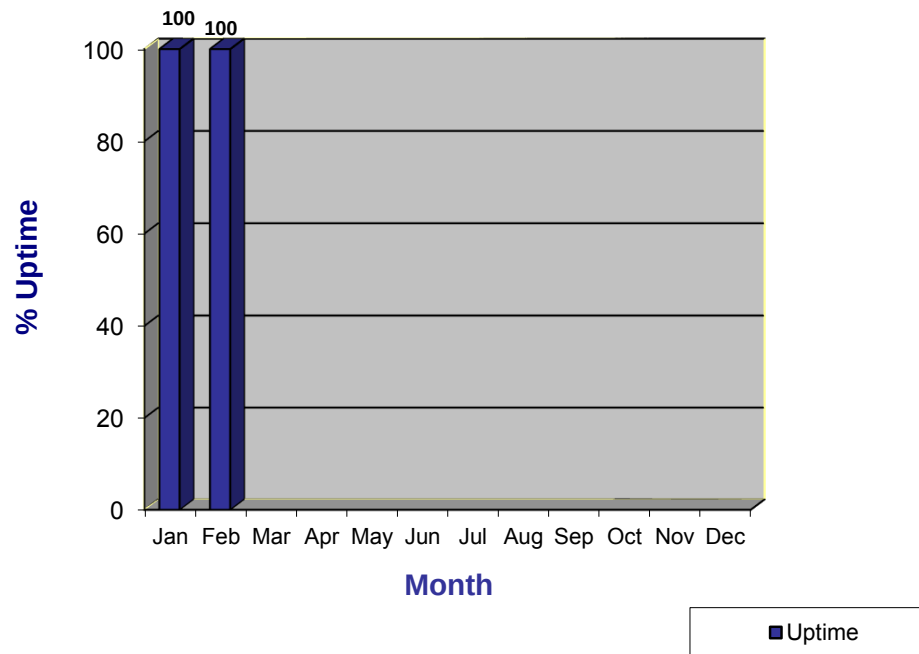
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar									
Apr									
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
	100.0	0.0	0.0	0.0	5.43	0.0000	0.000	0.0	1.03

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
FEBRUARY 2018 ONSITE GTP DISCHARGE SUMMARY**

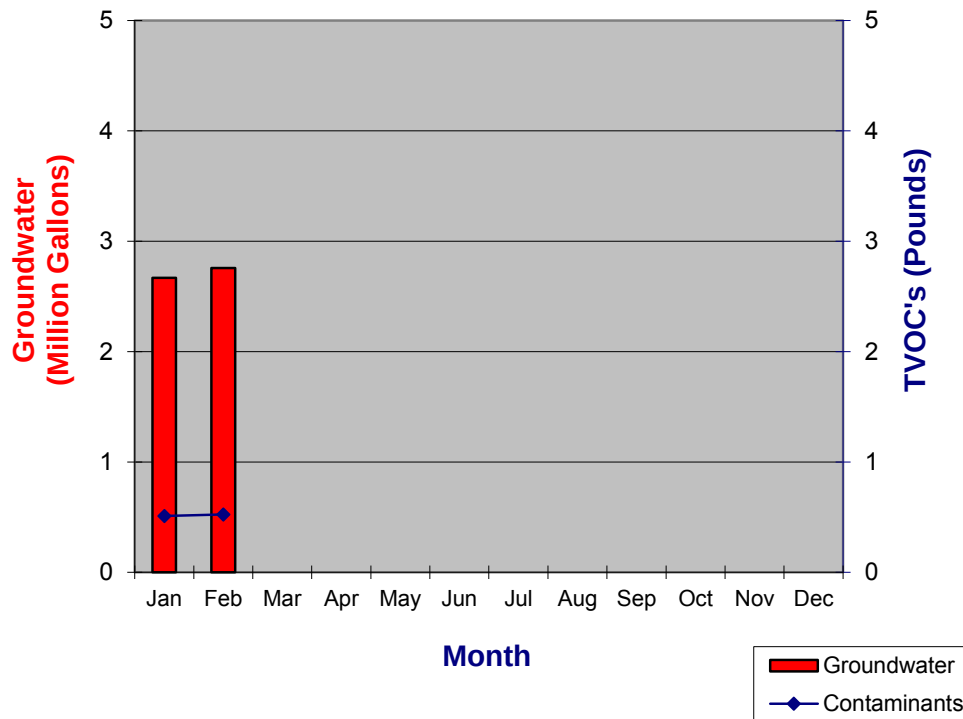
Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.090602	24	0.0228	0.02	
2	0.090528	24	0.0228	0.02	
3	0.090609	24	0.0228	0.02	
4	0.090736	24	0.0228	0.02	
5	0.091495	24	0.0228	0.02	
6	0.092045	24	0.0228	0.02	
7	0.092437	24	0.0228	0.02	
8	0.092882	24	0.0228	0.02	
9	0.093575	24	0.0228	0.02	
10	0.094188	24	0.0228	0.02	
11	0.095502	24	0.0228	0.02	
12	0.097072	24	0.0228	0.02	
13	0.098612	24	0.0228	0.02	
14	0.099654	24	0.0228	0.02	
15	0.100326	24	0.0228	0.02	
16	0.100370	24	0.0228	0.02	
17	0.100333	24	0.0228	0.02	
18	0.100677	24	0.0228	0.02	
19	0.100998	24	0.0228	0.02	
20	0.101808	24	0.0228	0.02	
21	0.102253	24	0.0228	0.02	
22	0.102756	24	0.0228	0.02	
23	0.103776	24	0.0228	0.02	
24	0.104427	24	0.0228	0.02	
25	0.105526	24	0.0228	0.02	
26	0.106921	24	0.0228	0.02	
27	0.107917	24	0.0228	0.02	
28	0.108729	24	0.0228	0.02	

TOTAL HOURS OPERATED:	672
TOTAL MILLION GALLONS:	2.757
AVERAGE FLOW RATE WHILE OPERATING (GPM):	68.4
POUNDS RECOVERED:	0.52

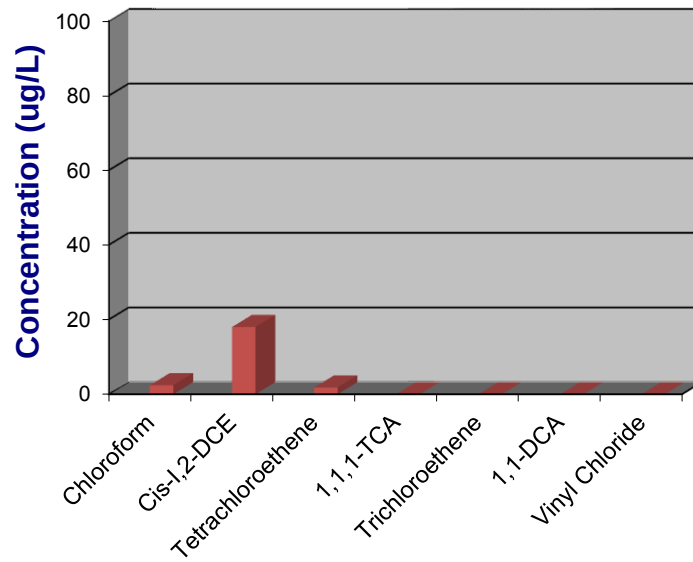
Blauvelt GTP 2018 Uptime



Blauvelt GTP 2018 Groundwater and VOC's



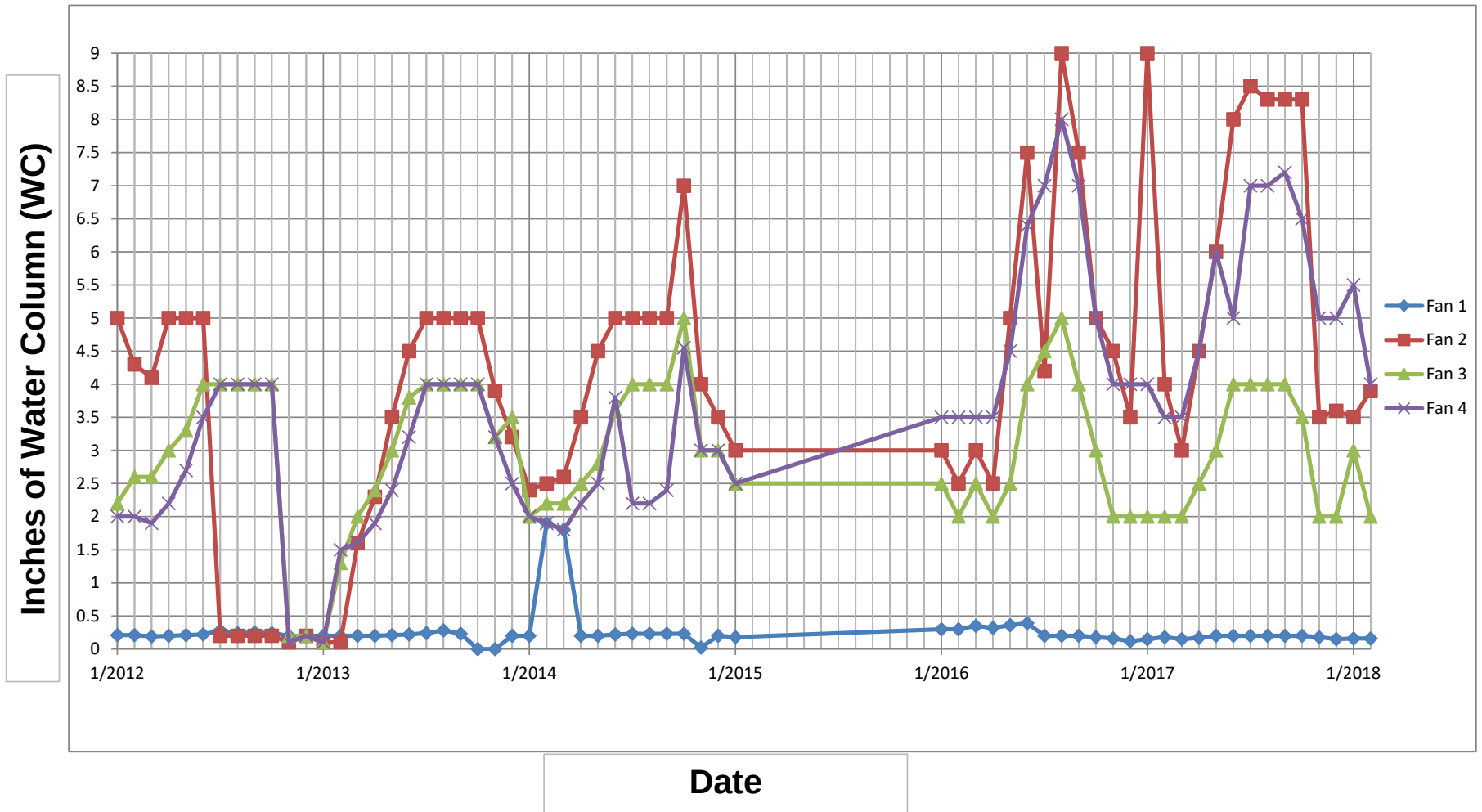
**Blauvelt GTP
Contaminant Stream Influent**



February 2018

GTP Influent	VOCs (ppb)
Chloroform	2.4
Cis-1,2-DCE	18.0
Tetrachloroethene	1.8
1,1,1-TCA	ND
Trichloroethene	ND
1,1-DCA	ND
Vinyl Chloride	ND
Total	22.2

2012-2018 SSD Fan Vacuum Reading Trending Chart





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MARCH 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
March 2018

Operational Status

The GTP achieved an uptime of 100% for the month of March.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = 100%

Influent groundwater concentration measured on March 12, 2018 prior to the primary AST detected 48.2 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent was non-detected.

System Compliance

Based on samples collected on March 12, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.71 pounds of VOCs were removed. Approximately 1.74 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.72 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 9.14 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

3/12/2018: Samples were collected.

3/6/2018 & 3/28/2018: Fan vacuum readings were collected.

3/15/2018: SSD Sub-Slab vacuum readings were collected. No access point and no sample readings were obtained at T-15. T-02 is missing cap, will get a new cap.

3/28/2018 & 3/29/2018: • SSDS system was evaluated for the historically low readings on the Fan 1 portion of the system
• 3 valves added
• Sealed leakage points identified during evaluation
• Fan 1 system adjusted to obtain ≈ 1.0 " w.c. monitor for change

OPERATIONAL DATA

MARCH 2018

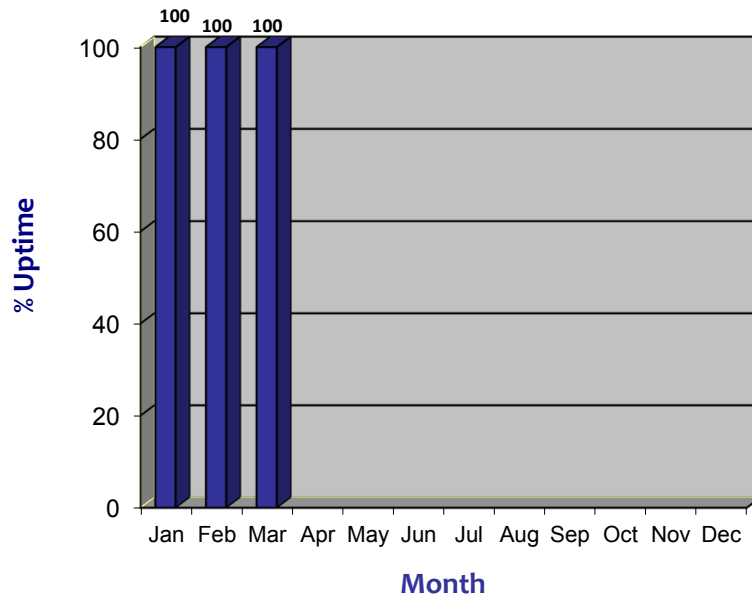
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr									
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
	100.0	0.0	0.0	0.0	9.14	0.0000	0.000	0.0	1.74

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
MARCH 2018 ONSITE GTP DISCHARGE SUMMARY**

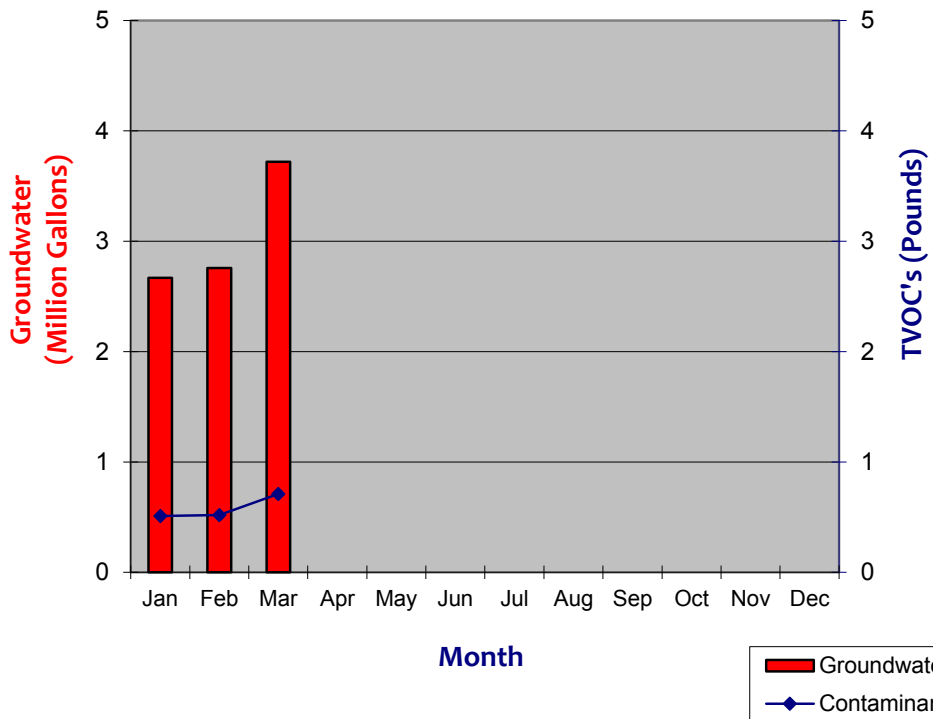
Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.109093	24	0.0228	0.02	
2	0.110798	24	0.0228	0.02	
3	0.113240	24	0.0228	0.02	
4	0.114704	24	0.0228	0.02	
5	0.115610	24	0.0228	0.02	
6	0.116017	24	0.0228	0.02	
7	0.116873	24	0.0228	0.02	
8	0.117269	24	0.0228	0.02	
9	0.118007	24	0.0228	0.02	
10	0.118729	24	0.0228	0.02	
11	0.119365	24	0.0228	0.02	
12	0.120222	24	0.0228	0.02	
13	0.121096	24	0.0228	0.02	
14	0.121504	24	0.0228	0.02	
15	0.121928	24	0.0228	0.02	
16	0.121949	24	0.0228	0.02	
17	0.122265	24	0.0228	0.02	
18	0.122408	24	0.0228	0.02	
19	0.122521	24	0.0228	0.02	
20	0.122636	24	0.0228	0.02	
21	0.122844	24	0.0228	0.02	
22	0.122844	24	0.0228	0.02	
23	0.122839	24	0.0228	0.02	
24	0.122807	24	0.0228	0.02	
25	0.122676	24	0.0228	0.02	
26	0.122847	24	0.0228	0.02	
27	0.123221	24	0.0228	0.02	
28	0.123515	24	0.0228	0.02	
29	0.123211	24	0.0228	0.02	
30	0.123378	24	0.0228	0.02	
31	0.122509	24	0.0228	0.02	

TOTAL HOURS OPERATED:	672
TOTAL MILLION GALLONS:	3.719
AVERAGE FLOW RATE WHILE OPERATING (GPM):	92.2
POUNDS RECOVERED:	0.71

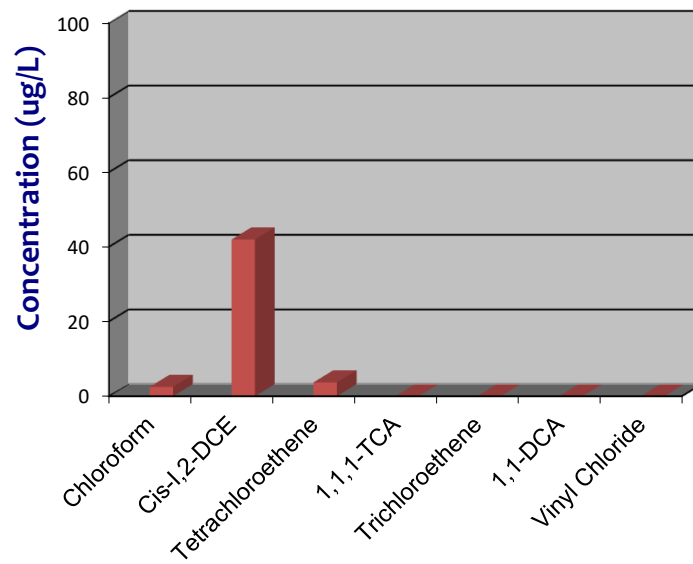
**Blauvelt GTP
2018 Uptime**



**Blauvelt GTP
2018 Groundwater and VOC's**



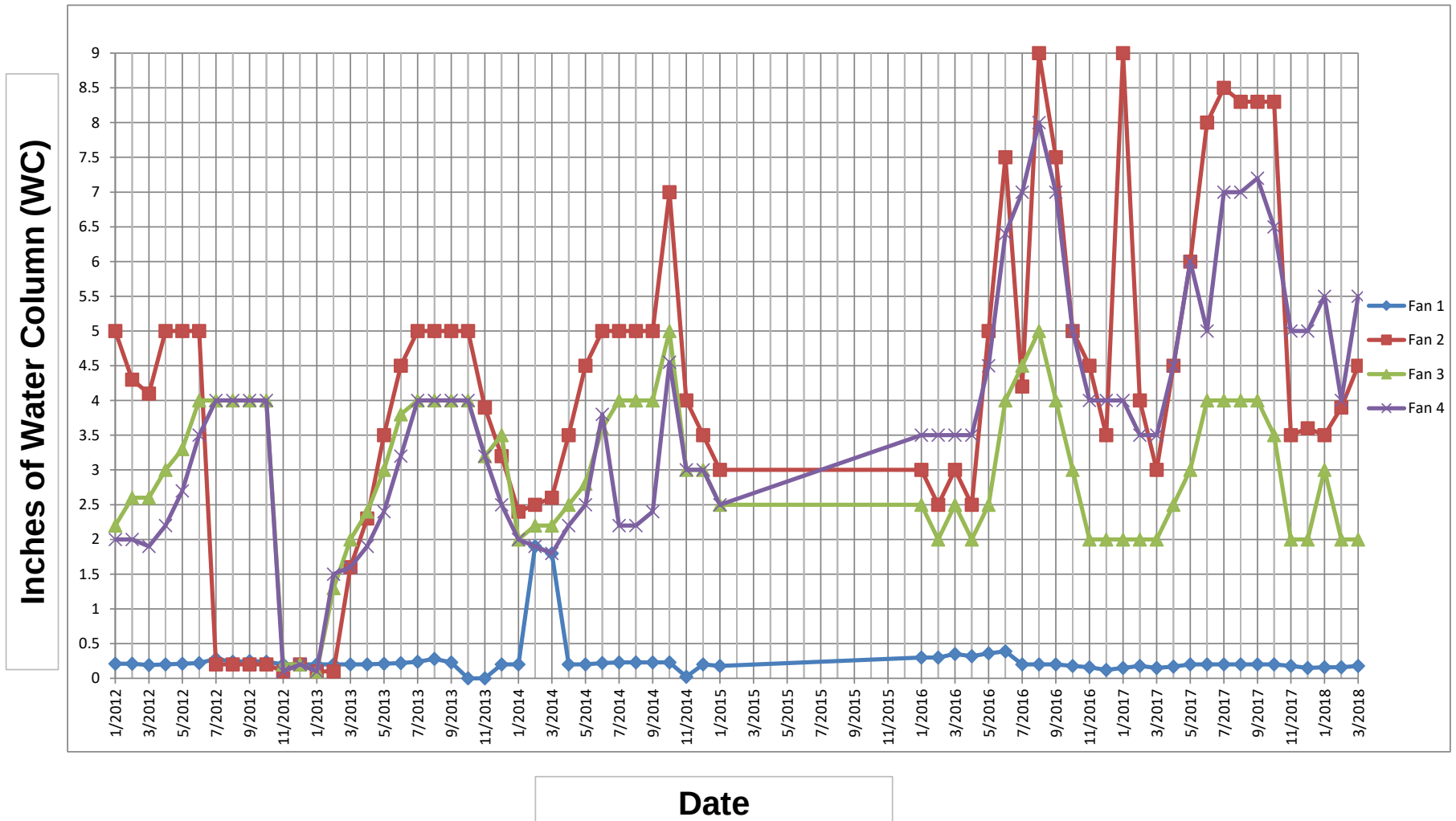
**Blauvelt GTP
Contaminant Stream Influent**



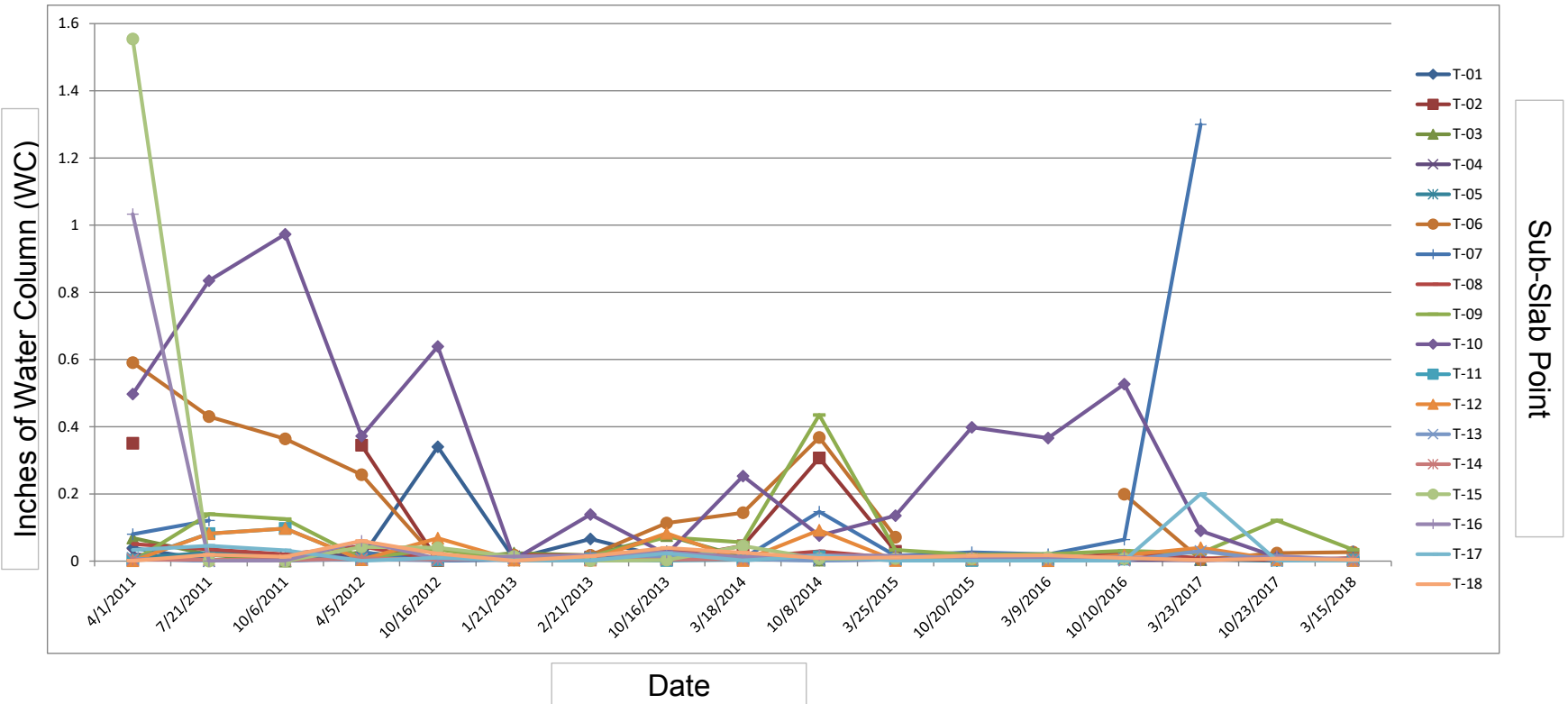
March 2018

GTP Influent	VOCs (ppb)
Chloroform	2.5
Cis-1,2-DCE	42.0
Tetrachloroethene	3.7
1,1,1-TCA	ND
Trichloroethene	ND
1,1-DCA	ND
Vinyl Chloride	ND
Total	48.2

2012-2018 SSD Fan Vacuum Reading Trending Chart



SSD Sub-Slab Vacuum Reading Trending Chart



Date	T-01	T-02	T-03	T-04	T-05	T-06	T-07	T-08	T-09	T-10	T-11	T-12	T-13	T-14	T-15	T-16	T-17	T-18
4/1/2011	0.039	0.351	0.069	0.021	0.009	0.591	0.08	0.051	0	0.497	0.003	0.001	0.007	0.004	1.554	1.033	0.033	0.001
7/21/2011	0.003		0.019	0	0.025	0.43	0.121	0.035	0.14	0.835	0.082	0.082	0	0.004	0	0	0.046	0.019
10/6/2011	0.001		0	0.006	0.014	0.364		0.02	0.125	0.973	0.097	0.097	0.001	0.003	0	0.002	0.032	0.013
4/5/2012	0.011	0.345	0.026	0.021	0.005	0.257	0.026	0.044	0.009	0.372	0.004	0.004	0.006	0.008	0.042	0.06	0.001	0.06
10/16/2012	0.34	0.002	0.003	0.006	0.012	0.003	0.001	0.003	0.035	0.639	0.004	0.068	0.002	0.005	0.04	0.007	0.01	0.022
1/21/2013	0.007		0.024	0.014	0.002	0.018	0.004	0.017	0.003	0.005	0.009	0.003	0.01	0.007	0.014	0.014	0.002	0.001
2/21/2013	0.066	0.01	0.017	0.013	0.003	0.017	0.008	0.017	0.015	0.139	0.007	0.003	0.004	0.005	0.001	0.017	0.002	0.015
10/16/2013	0.01	0.005	0.076	0.011	0.003	0.113	0.03	0.034	0.071	0.02	0.002	0.083	0.012	0.004	0.003	0.026	0.023	0.039
3/18/2014	0.005	0.046	0.012	0.007	0.008	0.144	0.008	0.01	0.056	0.253	0.004	0.002	0.006	0.006	0.045	0.012	0.002	0.025
10/8/2014	0.003	0.307	0.003	0.004	0.009	0.368	0.147	0.029	0.435	0.076	0.013	0.092	0.001		0.007	0.017	0.016	0.009
3/25/2015	0.005	0.029		0.01	0.004	0.071	0.016	0.009	0.033	0.135	0.005	0.002	0.005		0.008	0.016	0.001	0.011
10/20/2015			0.004	0.003	0.002		0.026	0.021	0.019	0.398	0.002	0.006	0.006		0.007	0.012	0.001	0.016
3/9/2016	0.004			0.004	0.004		0.02	0.005	0.021	0.366	0.005	0.001	0.003		0.011	0.006	0.001	0.017
10/10/2016	0.006		0.008	0.003	0.007	0.199	0.064	0.025	0.031	0.527	0.006	0.018	0.002	0.004	0.007	0.012	0.002	0.009
3/23/2017	0.005		0.004	0.003	0.006	0.005	1.3	0.009	0.024	0.09		0.04	0.03			0.001	0.2	0.003
10/23/2017	0.002		0.006	0.005	0.001	0.024		0.003	0.121	0.012	0.003	0.004	0.002			0.015	0.002	0.007
3/15/2018	0.005		0.006	0.005	0.008	0.027	0.029	0.009	0.034	0.003	0.003	0.002	0.002	0.004		0.004	0.001	0.004



APRIL 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
April 2018

Operational Status

The GTP achieved an uptime of 96% for the month of April.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 98%

Influent groundwater concentration measured on April 5, 2018 prior to the primary AST detected 39.4 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent detected 1.18 ppb of total cis-1,2-Dichloroethene. Bergmann has scheduled a system cleaning to address the presence of contaminants in the effluent sample.

System Compliance

Based on samples collected on April 5, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.55 pounds of VOCs were removed. Approximately 2.29 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 2.87 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 12.02 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

4/4/2018: Samples were collected.

4/4/2018 & 4/24/2018: Fan vacuum readings were collected.

4/20/2018: Changed filter bags.

4/26/2018: Added water into the bottom of the old air stripper.

OPERATIONAL DATA

APRIL 2018

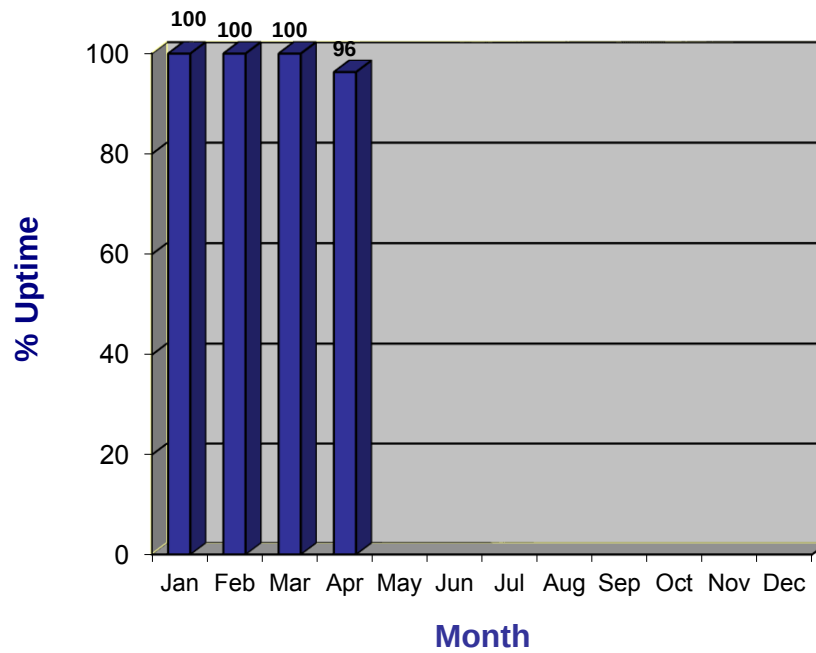
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
	99.1	0.0	0.0	0.0	12.02	0.0000	0.000	0.0	2.29

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
APRIL 2018 ONSITE GTP DISCHARGE SUMMARY**

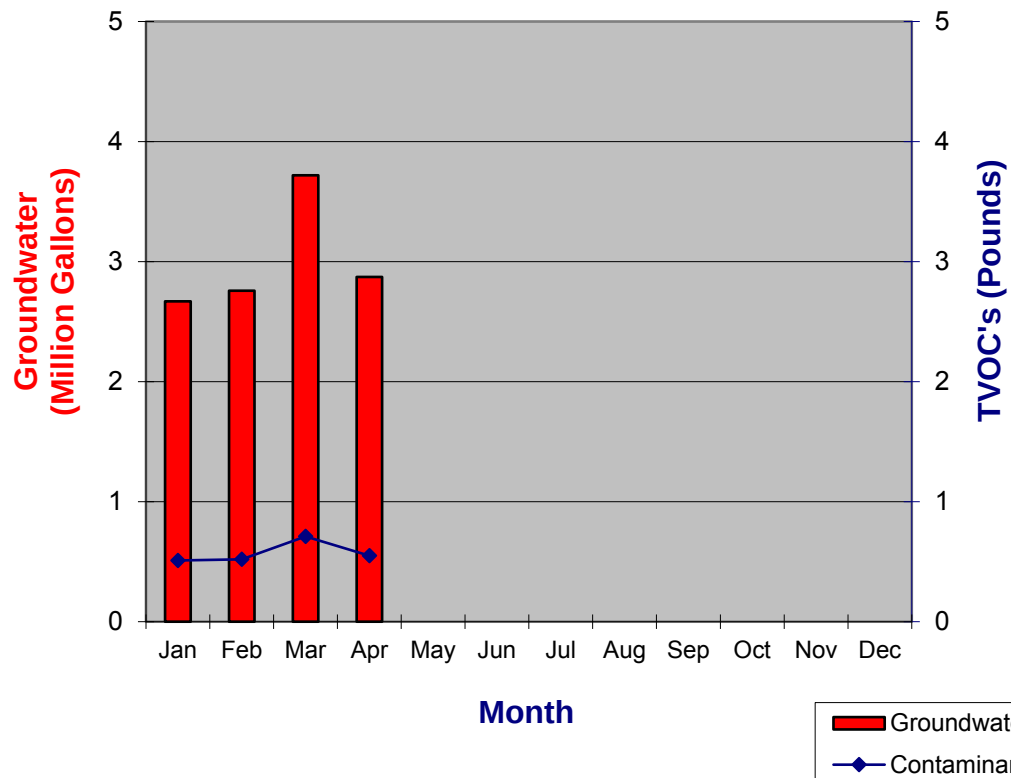
Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.122942	24	0.0228	0.02	
2	0.122654	24	0.0228	0.02	
3	0.122956	24	0.0228	0.02	
4	0.123060	24	0.0228	0.02	
5	0.122873	24	0.0228	0.02	
6	0.068656	24	0.0228	0.01	
7	0.034531	24	0.0228	0.01	
8	0.041232	24	0.0228	0.01	
9	0.075440	24	0.0228	0.01	
10	0.107575	24	0.0228	0.02	
11	0.106769	24	0.0228	0.02	
12	0.106300	24	0.0228	0.02	
13	0.106098	24	0.0228	0.02	
14	0.105081	24	0.0228	0.02	
15	0.104806	24	0.0228	0.02	
16	0.109233	24	0.0228	0.02	
17	0.111582	24	0.0228	0.02	
18	0.111722	24	0.0228	0.02	
19	0.112127	24	0.0228	0.02	
20	0.101447	24	0.0228	0.02	
21	0.082891	24	0.0228	0.02	
22	0.084478	24	0.0228	0.02	
23	0.067315	22.1	0.0228	0.01	
24	0.067405	24	0.0228	0.01	
25	0.069945	24	0.0228	0.01	
26	0.080322	22.6	0.0228	0.02	
27	0.098264	24	0.0228	0.02	
28	0.097780	24	0.0228	0.02	
29	0.097898	24	0.0228	0.02	
30	0.108318	24	0.0228	0.02	

TOTAL HOURS OPERATED:	717
TOTAL MILLION GALLONS:	2.872
AVERAGE FLOW RATE WHILE OPERATING (GPM):	66.8
POUNDS RECOVERED:	0.55

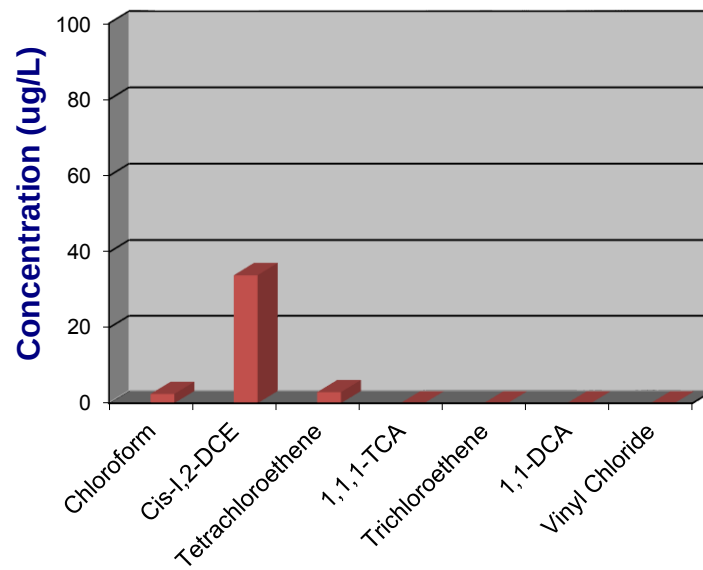
**Blauvelt GTP
2018 Uptime**



**Blauvelt GTP
2018 Groundwater and VOC's**



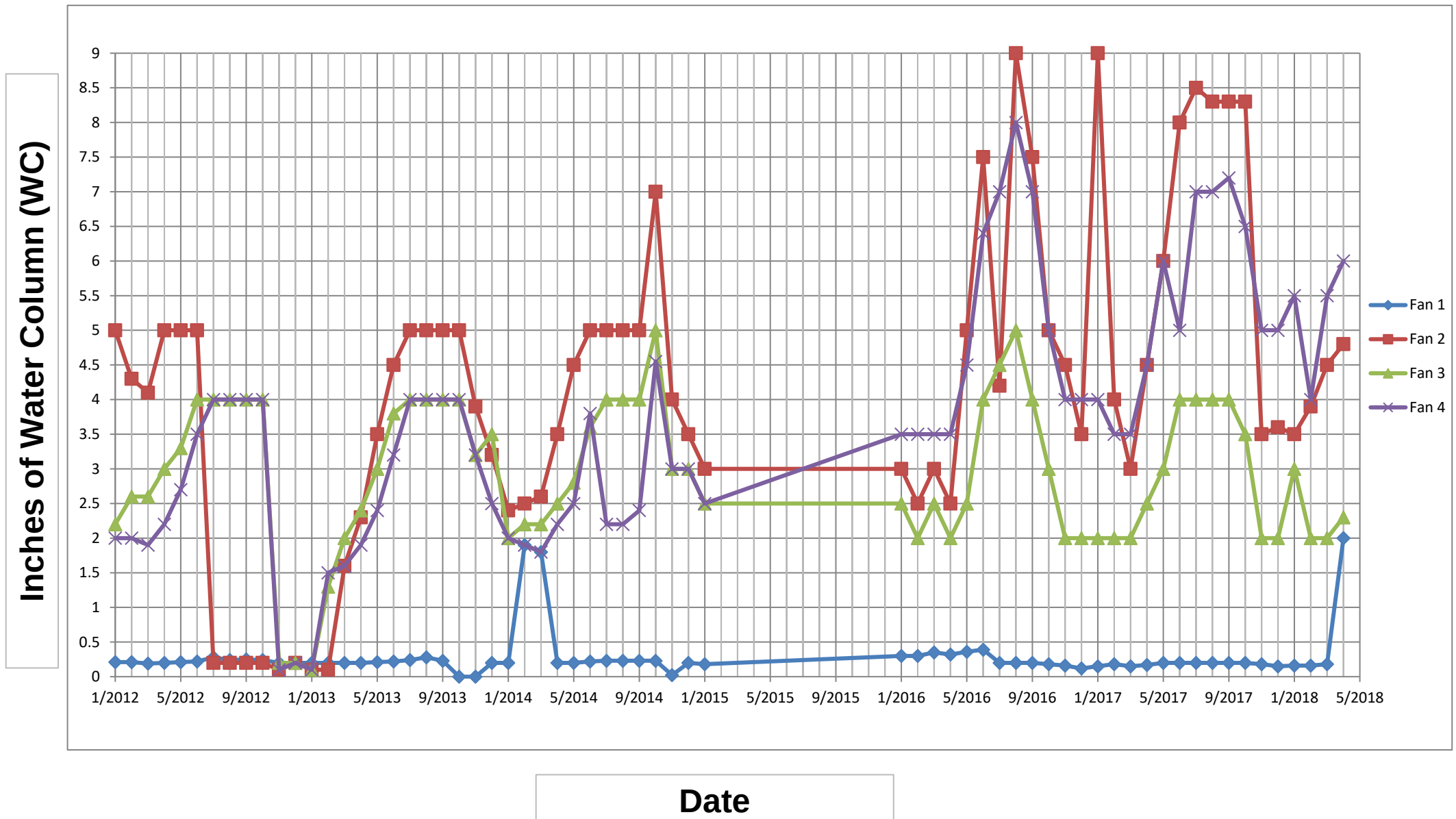
**Blauvelt GTP
Contaminant Stream Influent**



April 2018

GTP Influent	VOCs (ppb)
Chloroform	2.5
Cis-1,2-DCE	34.0
Tetrachloroethene	2.9
1,1,1-TCA	ND
Trichloroethene	ND
1,1-DCA	ND
Vinyl Chloride	ND
Total	39.4

2012-2018 SSD Fan Vacuum Reading Trending Chart





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MAY 2018

MONTHLY PERFORMANCE REPORT



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ARCHITECTS ENGINEERS PLANNERS

JUNE 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
June 2018

Operational Status

The GTP achieved an uptime of 100% for the month of June.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on June 12, 2018 prior to the primary AST detected 33.9 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent was non-detect.

System Compliance

Based on samples collected on June 12, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.59 pounds of VOCs were removed. Approximately 3.50 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.08 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 18.38 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

6/12/2018: Samples were collected.

6/11/2018 & 6/27/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

JUNE 2018

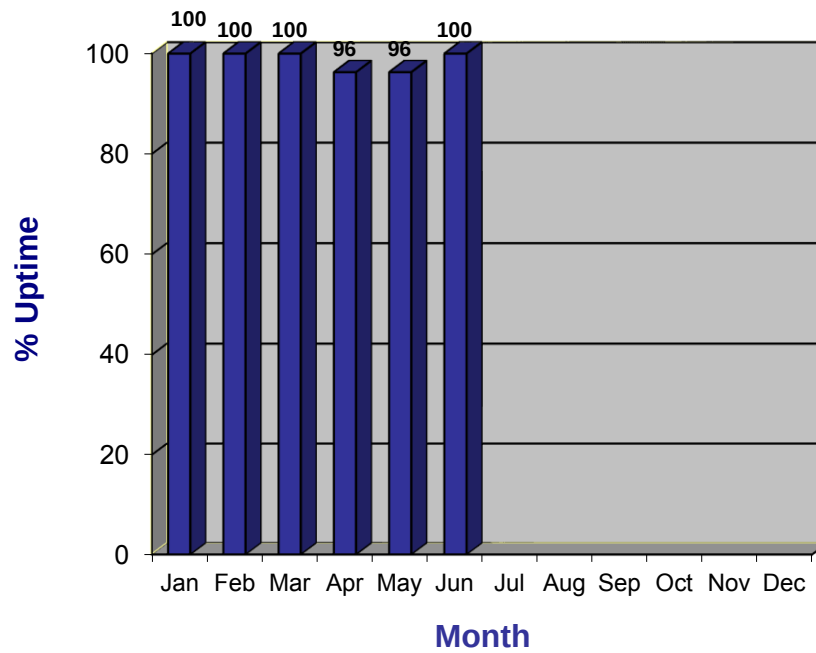
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
	98.8	0.0	0.0	0.0	18.38	0.0000	0.000	0.0	3.50

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
JUNE 2018 ONSITE GTP DISCHARGE SUMMARY**

Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.108254	24	0.0228	0.02	
2	0.106673	24	0.0228	0.02	
3	0.105581	24	0.0228	0.02	
4	0.106163	24	0.0228	0.02	
5	0.106132	24	0.0228	0.02	
6	0.105214	24	0.0228	0.02	
7	0.104419	24	0.0228	0.02	
8	0.103976	24	0.0228	0.02	
9	0.103444	24	0.0228	0.02	
10	0.103707	24	0.0228	0.02	
11	0.102868	24	0.0228	0.02	
12	0.102476	24	0.0228	0.02	
13	0.102455	24	0.0228	0.02	
14	0.101657	24	0.0228	0.02	
15	0.100957	24	0.0228	0.02	
16	0.100394	24	0.0228	0.02	
17	0.099744	24	0.0228	0.02	
18	0.099525	24	0.0228	0.02	
19	0.098818	24	0.0228	0.02	
20	0.098344	24	0.0228	0.02	
21	0.097990	24	0.0228	0.02	
22	0.097161	24	0.0228	0.02	
23	0.097063	24	0.0228	0.02	
24	0.096510	24	0.0228	0.02	
25	0.102693	24	0.0228	0.02	
26	0.106685	24	0.0228	0.02	
27	0.106020	24	0.0228	0.02	
28	0.106471	24	0.0228	0.02	
29	0.105834	24	0.0228	0.02	
30	0.105241	24	0.0228	0.02	

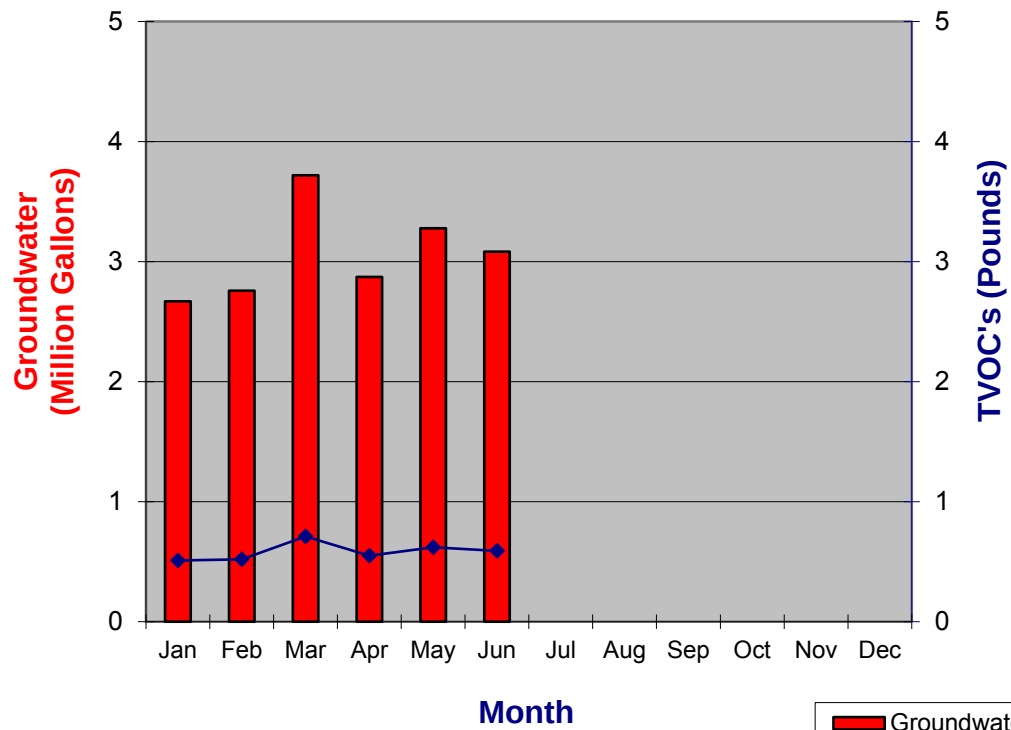
TOTAL HOURS OPERATED:	720
TOTAL MILLION GALLONS:	3.082
AVERAGE FLOW RATE WHILE OPERATING (GPM):	71.4
POUNDS RECOVERED:	0.59

**Blauvelt GTP
2018 Uptime**



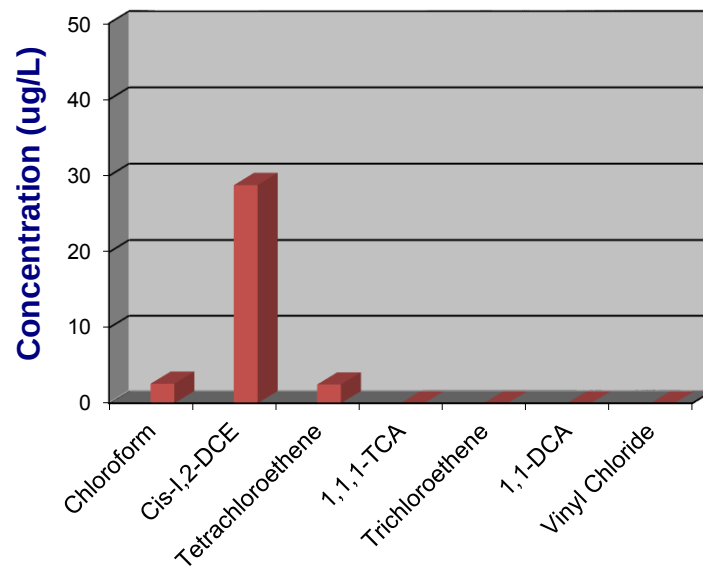
■ Uptime

**Blauvelt GTP
2018 Groundwater and VOC's**



■ Groundwater
◆ Contaminants

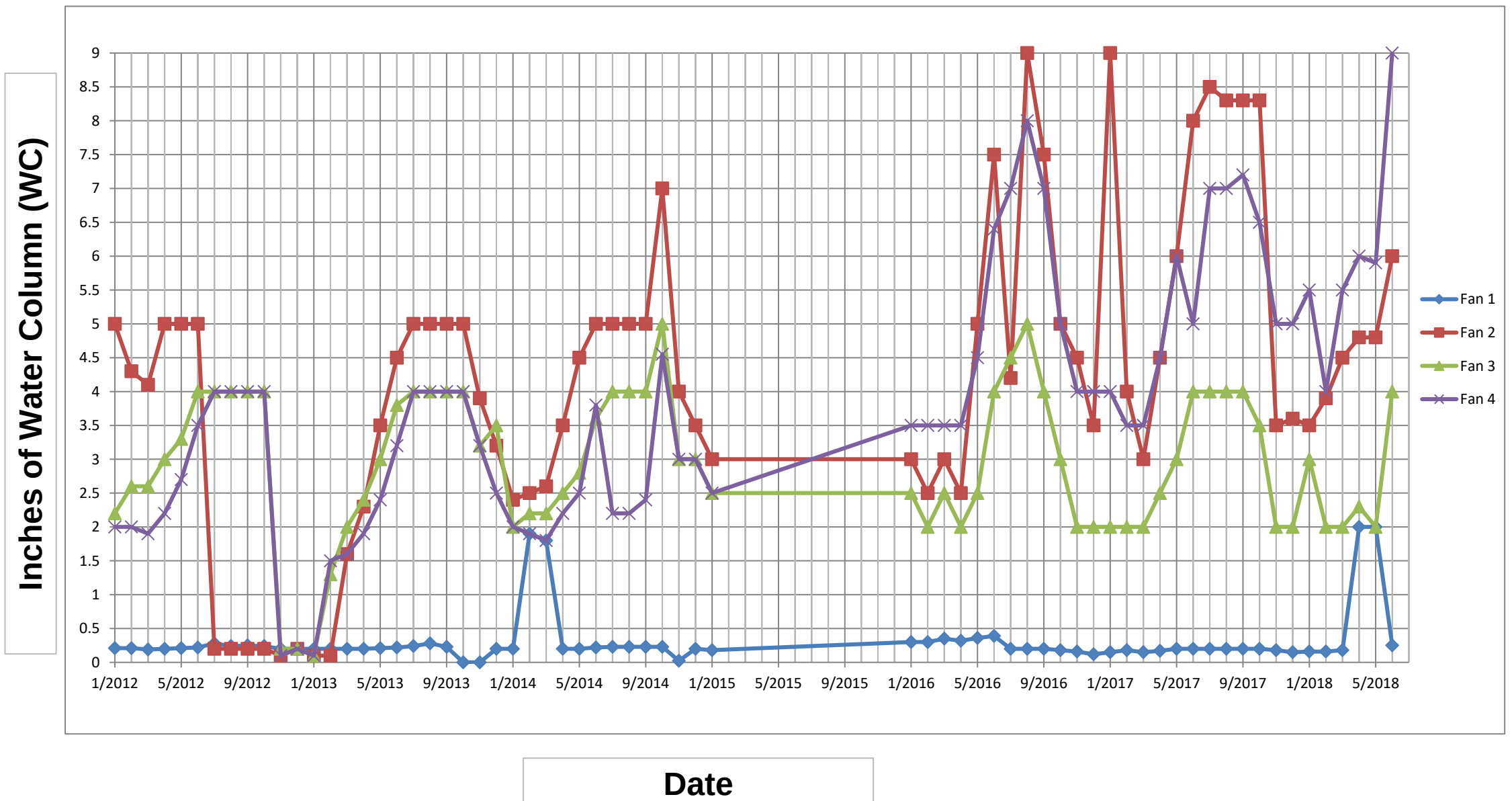
**Blauvelt GTP
Contaminant Stream Influent**



June 2018

GTP Influent	VOCs (ppb)
Chloroform	2.6
Cis-1,2-DCE	28.8
Tetrachloroethene	2.5
1,1,1-TCA	ND
Trichloroethene	ND
1,1-DCA	ND
Vinyl Chloride	ND
Total	33.9

2012-2018 SSD Fan Vacuum Reading Trending Chart





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JULY 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
July 2018

Operational Status

The GTP achieved an uptime of 100% for the month of July.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on July 11, 2018 prior to the primary AST detected 31.7 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent included 0.321ppb of Toluene.

System Compliance

Based on samples collected on July 11, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.59 pounds of VOCs were removed. Approximately 4.09 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.08 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 21.47 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

7/10/2018: Samples were collected.

7/3/2018 & 7/24/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

JULY 2018

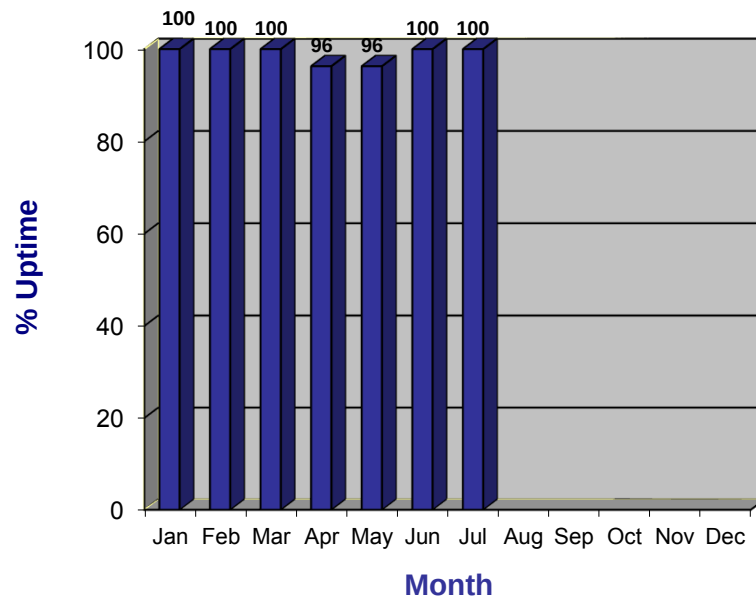
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul	100.0				3.08895				0.59
Aug									
Sep									
Oct									
Nov									
Dec									
	98.9	0.0	0.0	0.0	21.47	0.0000	0.000	0.0	4.09

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
JULY 2018 ONSITE GTP DISCHARGE SUMMARY**

Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.104750	24	0.0228	0.02	
2	0.103847	24	0.0228	0.02	
3	0.103177	24	0.0228	0.02	
4	0.102910	24	0.0228	0.02	
5	0.102980	24	0.0228	0.02	
6	0.101970	24	0.0228	0.02	
7	0.101285	24	0.0228	0.02	
8	0.100593	24	0.0228	0.02	
9	0.100361	24	0.0228	0.02	
10	0.099800	24	0.0228	0.02	
11	0.098904	24	0.0228	0.02	
12	0.098308	24	0.0228	0.02	
13	0.097962	24	0.0228	0.02	
14	0.097521	24	0.0228	0.02	
15	0.097823	24	0.0228	0.02	
16	0.097508	24	0.0228	0.02	
17	0.097439	24	0.0228	0.02	
18	0.097485	24	0.0228	0.02	
19	0.097002	24	0.0228	0.02	
20	0.096541	24	0.0228	0.02	
21	0.096155	24	0.0228	0.02	
22	0.096615	24	0.0228	0.02	
23	0.097737	24	0.0228	0.02	
24	0.098119	24	0.0228	0.02	
25	0.098892	24	0.0228	0.02	
26	0.099069	24	0.0228	0.02	
27	0.098508	24	0.0228	0.02	
28	0.098382	24	0.0228	0.02	
29	0.097651	24	0.0228	0.02	
30	0.101970	24	0.0228	0.02	
31	0.107688	24	0.0228	0.02	

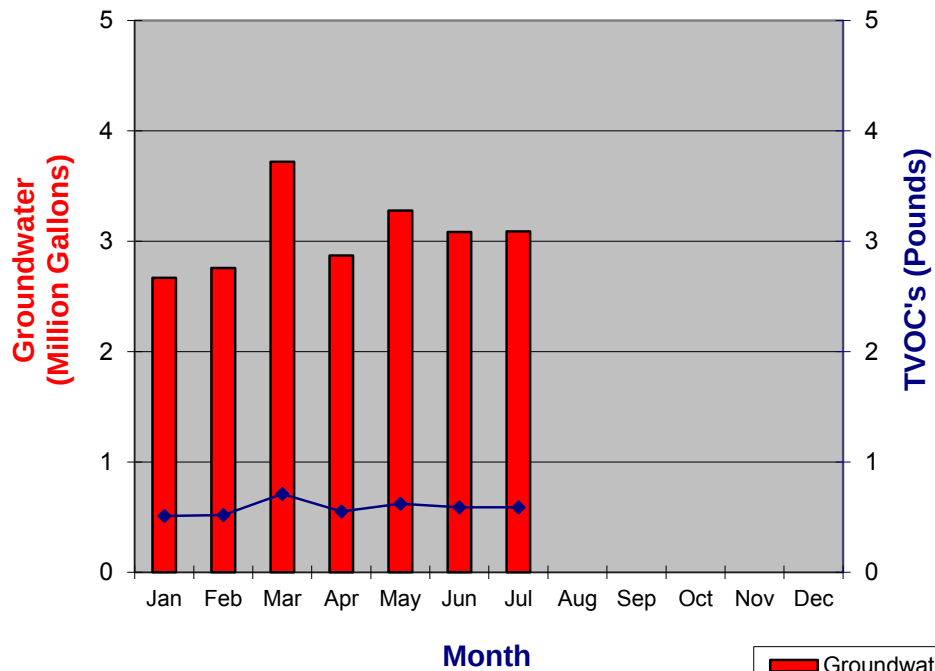
TOTAL HOURS OPERATED:	744
TOTAL MILLION GALLONS:	3.089
AVERAGE FLOW RATE WHILE OPERATING (GPM):	69.2
POUNDS RECOVERED:	0.59

**Blauvelt GTP
2018 Uptime**



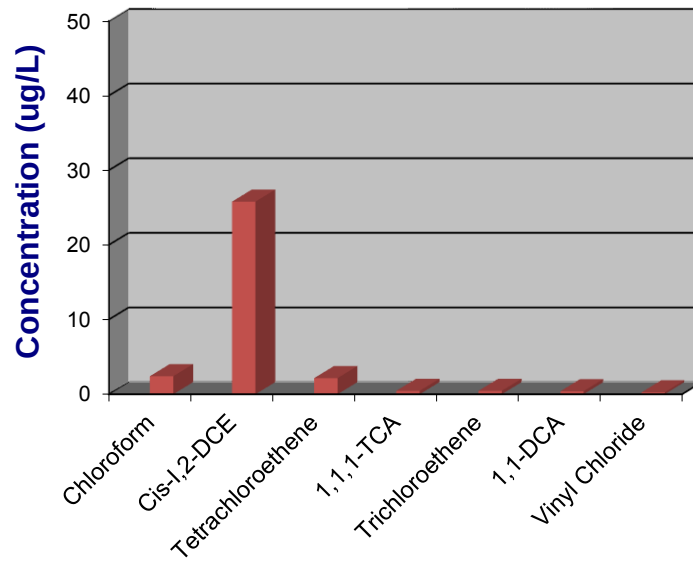
■ Uptime

**Blauvelt GTP
2018 Groundwater and VOC's**



■ Groundwater
◆ Contaminants

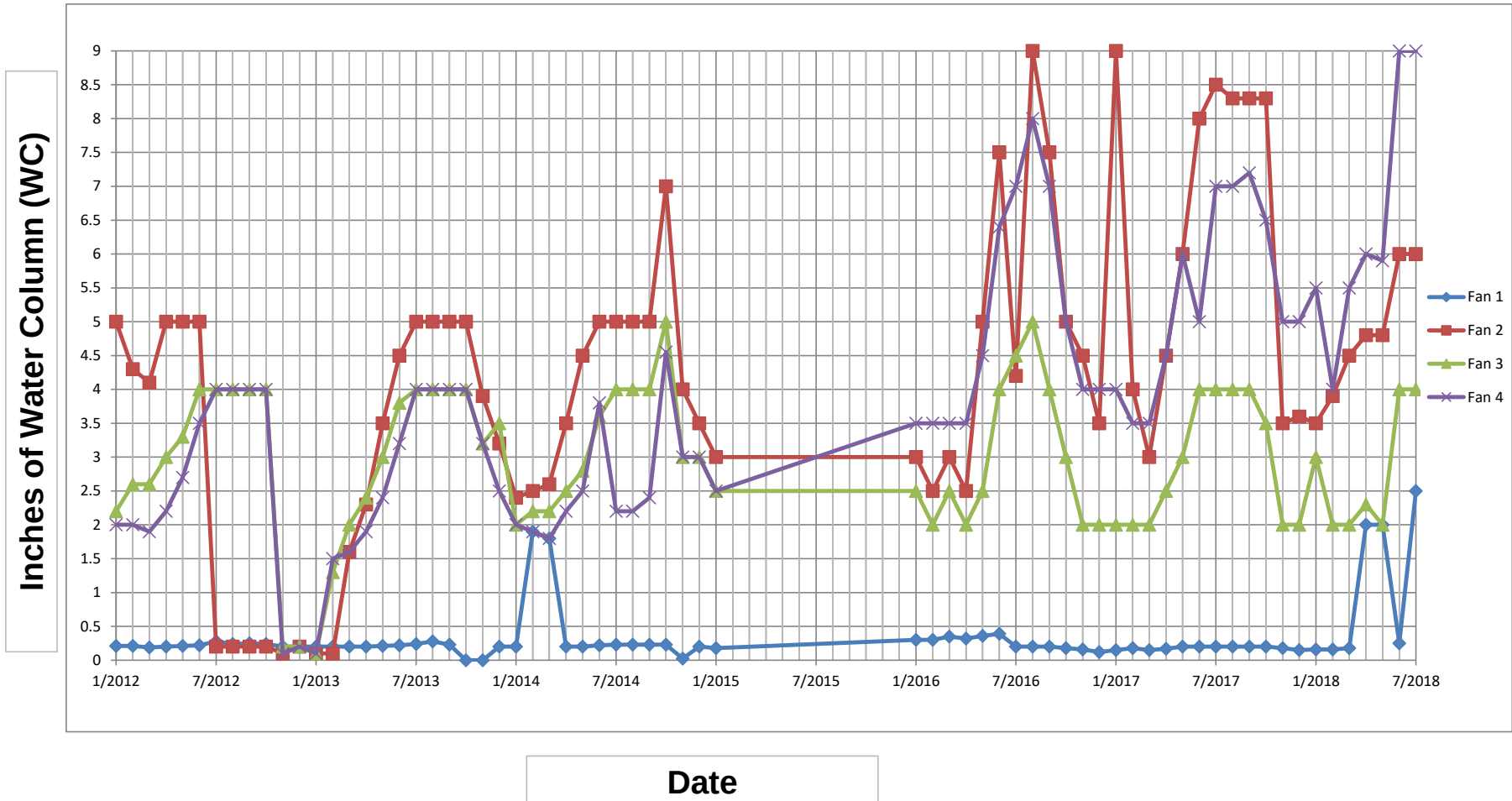
**Blauvelt GTP
Contaminant Stream Influent**



July 2018

GTP Influent	VOCs (ppb)
Chloroform	2.4
Cis-1,2-DCE	25.8
Tetrachloroethene	2.2
1,1,1-TCA	0.4
Trichloroethene	0.4
1,1-DCA	0.4
Vinyl Chloride	0.2
Total	31.7

2012-2018 SSD Fan Vacuum Reading Trending Chart





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AUGUST 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
August 2018

Operational Status

The GTP achieved an uptime of 100% for the month of August.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on August 9, 2018 prior to the primary AST detected 32.3 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent included 0.321ppb of Toluene.

System Compliance

Based on samples collected on August 9, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.67 pounds of VOCs were removed. Approximately 4.76 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.51 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 24.98 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

8/9/2018: Samples were collected.

8/7/2018 & 8/27/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

AUGUST 2018

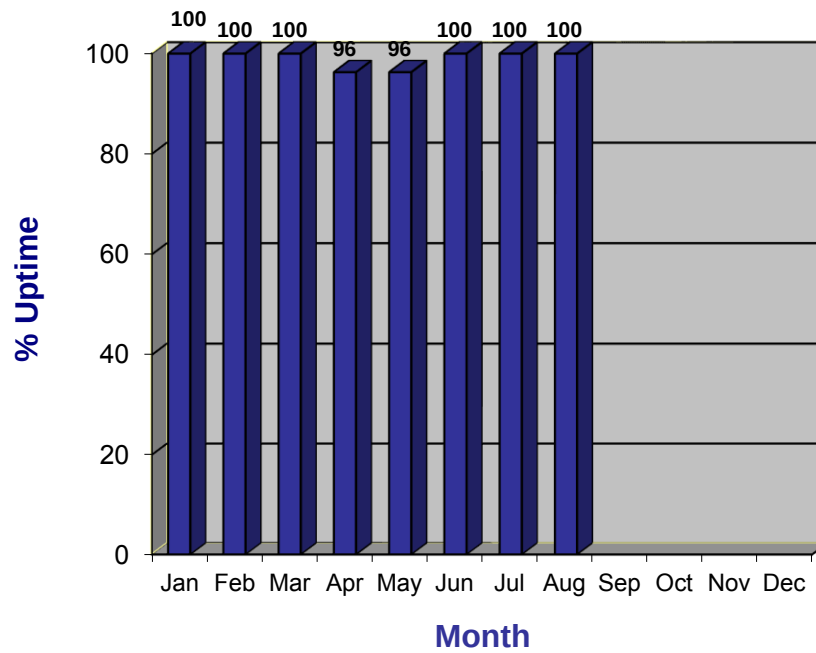
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul	100.0				3.08895				0.59
Aug	100.0				3.512050				0.67
Sep									
Oct									
Nov									
Dec									
	99.1	0.0	0.0	0.0	24.98	0.0000	0.000	0.0	4.76

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
AUGUST 2018 ONSITE GTP DISCHARGE SUMMARY**

Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.107552	24	0.0228	0.02	
2	0.108010	24	0.0228	0.02	
3	0.109359	24	0.0228	0.02	
4	0.112037	24	0.0228	0.02	
5	0.112989	24	0.0228	0.02	
6	0.112631	24	0.0228	0.02	
7	0.112261	24	0.0228	0.02	
8	0.111991	24	0.0228	0.02	
9	0.111621	24	0.0228	0.02	
10	0.110869	24	0.0228	0.02	
11	0.111810	24	0.0228	0.02	
12	0.113245	24	0.0228	0.02	
13	0.113877	24	0.0228	0.02	
14	0.115149	24	0.0228	0.02	
15	0.115311	24	0.0228	0.02	
16	0.115133	24	0.0228	0.02	
17	0.114961	24	0.0228	0.02	
18	0.115743	24	0.0228	0.02	
19	0.115470	24	0.0228	0.02	
20	0.115379	24	0.0228	0.02	
21	0.115491	24	0.0228	0.02	
22	0.115751	24	0.0228	0.02	
23	0.115080	24	0.0228	0.02	
24	0.114619	24	0.0228	0.02	
25	0.114792	24	0.0228	0.02	
26	0.114918	24	0.0228	0.02	
27	0.114409	24	0.0228	0.02	
28	0.113943	24	0.0228	0.02	
29	0.113326	24	0.0228	0.02	
30	0.112649	24	0.0228	0.02	
31	0.111676	24	0.0228	0.02	

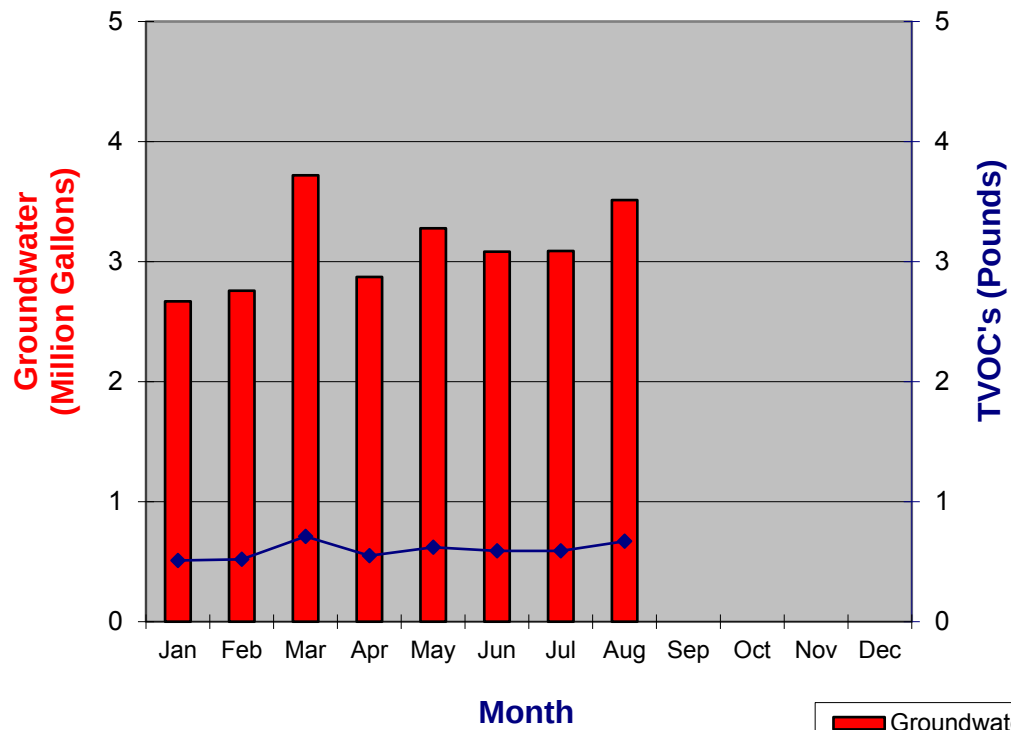
TOTAL HOURS OPERATED:	744
TOTAL MILLION GALLONS:	3.512
AVERAGE FLOW RATE WHILE OPERATING (GPM):	78.7
POUNDS RECOVERED:	0.67

**Blauvelt GTP
2018 Uptime**



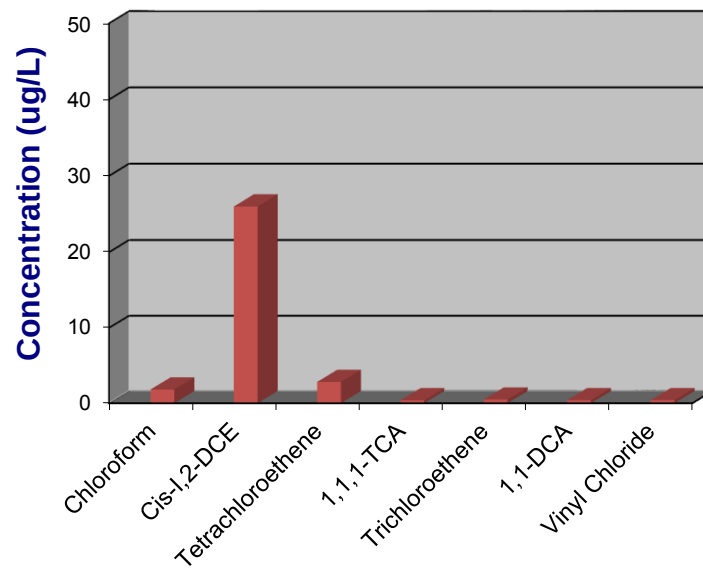
■ Uptime

**Blauvelt GTP
2018 Groundwater and VOC's**



■ Groundwater
◆ Contaminants

**Blauvelt GTP
Contaminant Stream Influent**

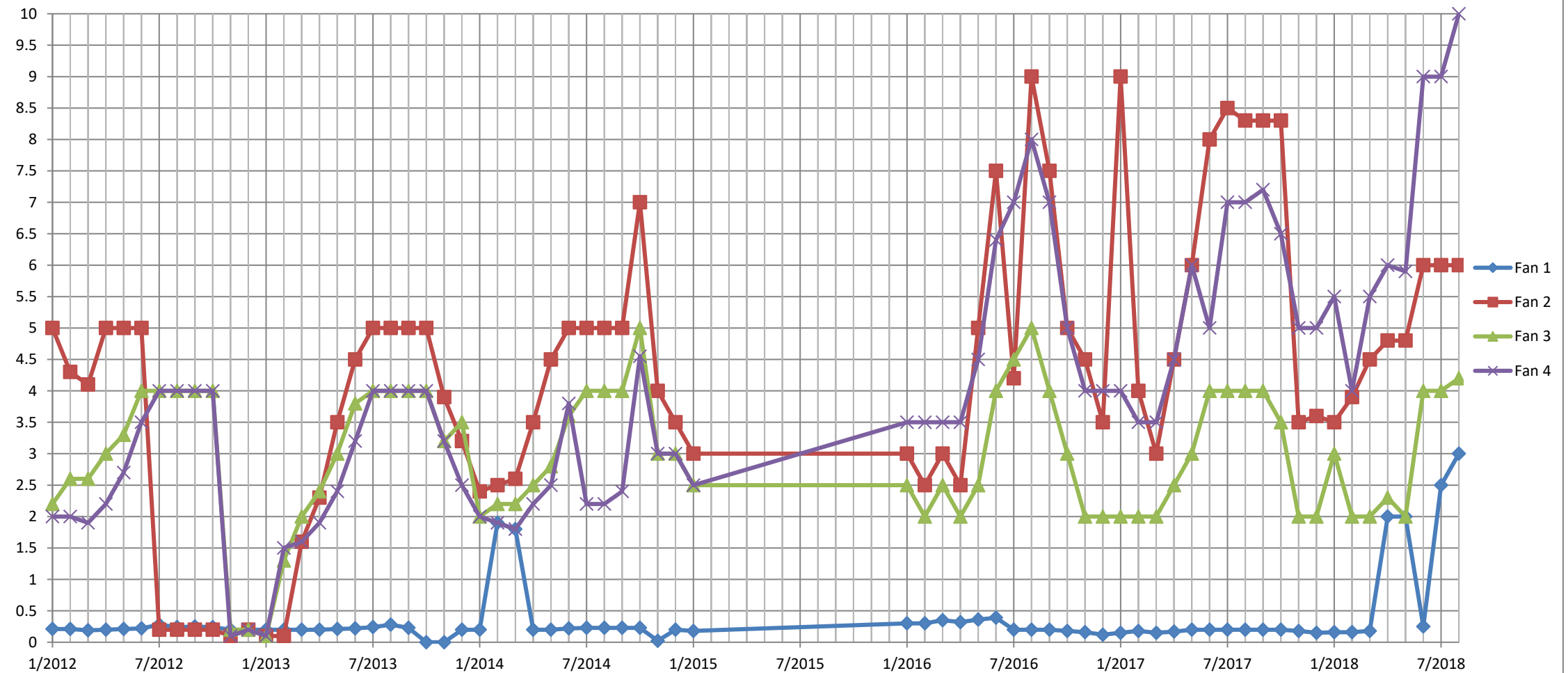


August 2018

GTP Influent	VOCs (ppb)
Chloroform	1.8
Cis-1,2-DCE	26.0
Tetrachloroethene	2.8
1,1,1-TCA	0.4
Trichloroethene	0.5
1,1-DCA	0.4
Vinyl Chloride	0.4
Total	32.3

2012-2018 SSD Fan Vacuum Reading Trending Chart

Inches of Water Column (WC)



Date



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SEPTEMBER 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
September 2018

Operational Status

The GTP achieved an uptime of 94.3% for the month of September.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on September 5, 2018 prior to the primary AST detected 33.0 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent included 0.430 ppb of Toluene.

System Compliance

Based on samples collected on September 5, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.57 pounds of VOCs were removed. Approximately 5.33 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 2.98 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 27.69 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

9/5/2018: Samples were collected.

9/7/2018 & 9/25/2018: Fan vacuum readings were collected.

9/29/2018 - 9/30/2018: System Flow Value was 0.0 Million Gallons due to electrical shortage from lightning strike. Electrical system fixed on 10/04/2018.

OPERATIONAL DATA

SEPTEMBER 2018

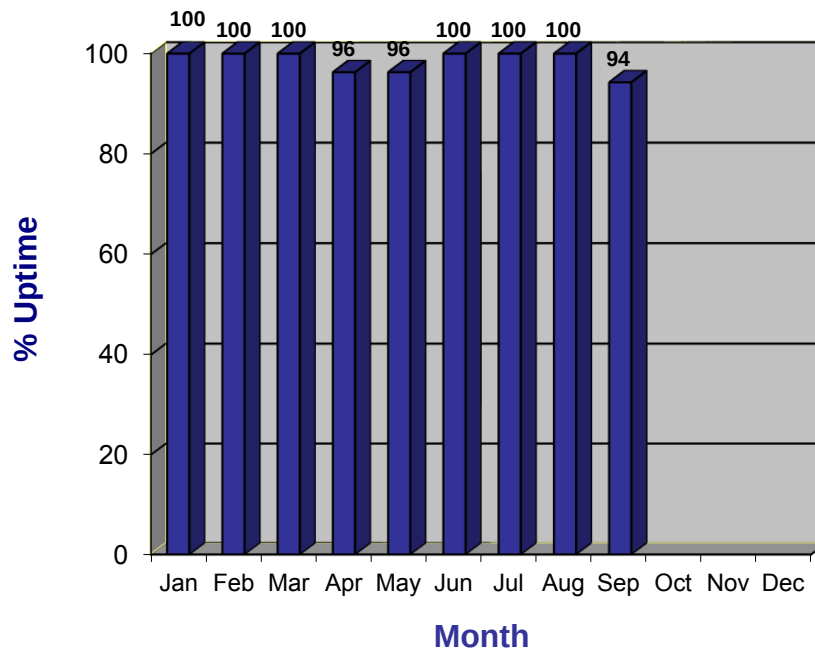
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul	100.0				3.08895				0.59
Aug	100.0				3.512050				0.67
Sep	94.3				2.980360				0.57
Oct									
Nov									
Dec									
	98.5	0.0	0.0	0.0	27.96	0.0000	0.000	0.0	5.33

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
SEPTEMBER 2018 ONSITE GTP DISCHARGE SUMMARY**

Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.111352	24	0.0228	0.02	
2	0.110804	24	0.0228	0.02	
3	0.110507	24	0.0228	0.02	
4	0.110013	24	0.0228	0.02	
5	0.109487	24	0.0228	0.02	
6	0.109073	24	0.0228	0.02	
7	0.107565	23.7	0.0228	0.02	
8	0.108378	24	0.0228	0.02	
9	0.107661	24	0.0228	0.02	
10	0.108204	24	0.0228	0.02	
11	0.108696	24	0.0228	0.02	
12	0.108522	24	0.0228	0.02	
13	0.108436	24	0.0228	0.02	
14	0.108040	24	0.0228	0.02	
15	0.107540	24	0.0228	0.02	
16	0.107150	24	0.0228	0.02	
17	0.106747	24	0.0228	0.02	
18	0.106823	24	0.0228	0.02	
19	0.106278	24	0.0228	0.02	
20	0.105839	24	0.0228	0.02	
21	0.105934	24	0.0228	0.02	
22	0.105198	24	0.0228	0.02	
23	0.104778	24	0.0228	0.02	
24	0.104346	24	0.0228	0.02	
25	0.106031	24	0.0228	0.02	
26	0.109622	24	0.0228	0.02	
27	0.109662	24	0.0228	0.02	
28	0.067674	24	0.0228	0.01	
29	0.000000	24	0.0228	0.00	electrical shortage from lightning strike
30	0.000000	5.8	0.0228	0.00	electrical shortage from lightning strike

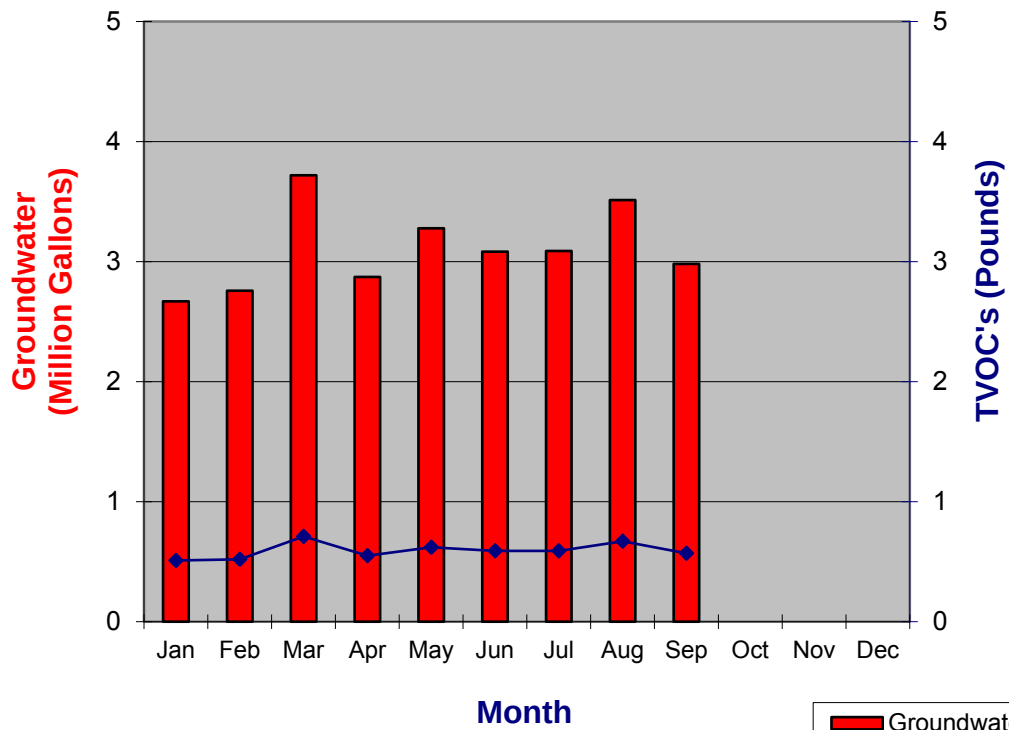
TOTAL HOURS OPERATED:	702
TOTAL MILLION GALLONS:	2.980
AVERAGE FLOW RATE WHILE OPERATING (GPM):	70.8
POUNDS RECOVERED:	0.57

**Blauvelt GTP
2018 Uptime**



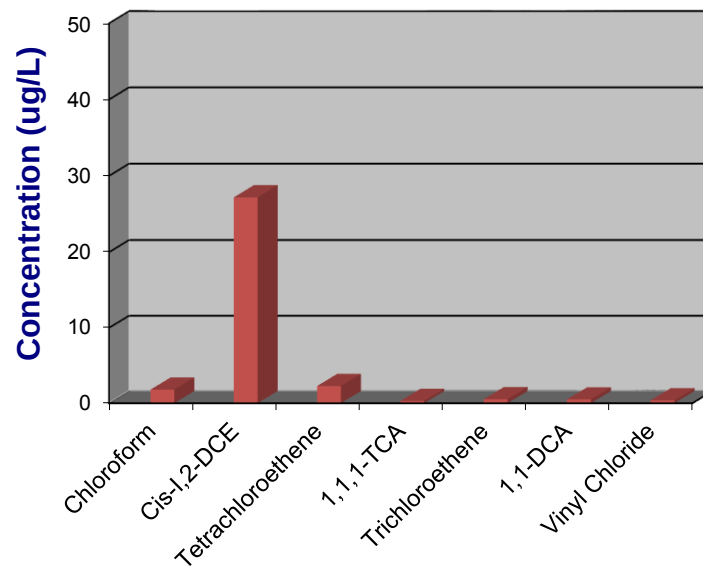
■ Uptime

**Blauvelt GTP
2018 Groundwater and VOC's**



■ Groundwater
◆ Contaminants

**Blauvelt GTP
Contaminant Stream Influent**

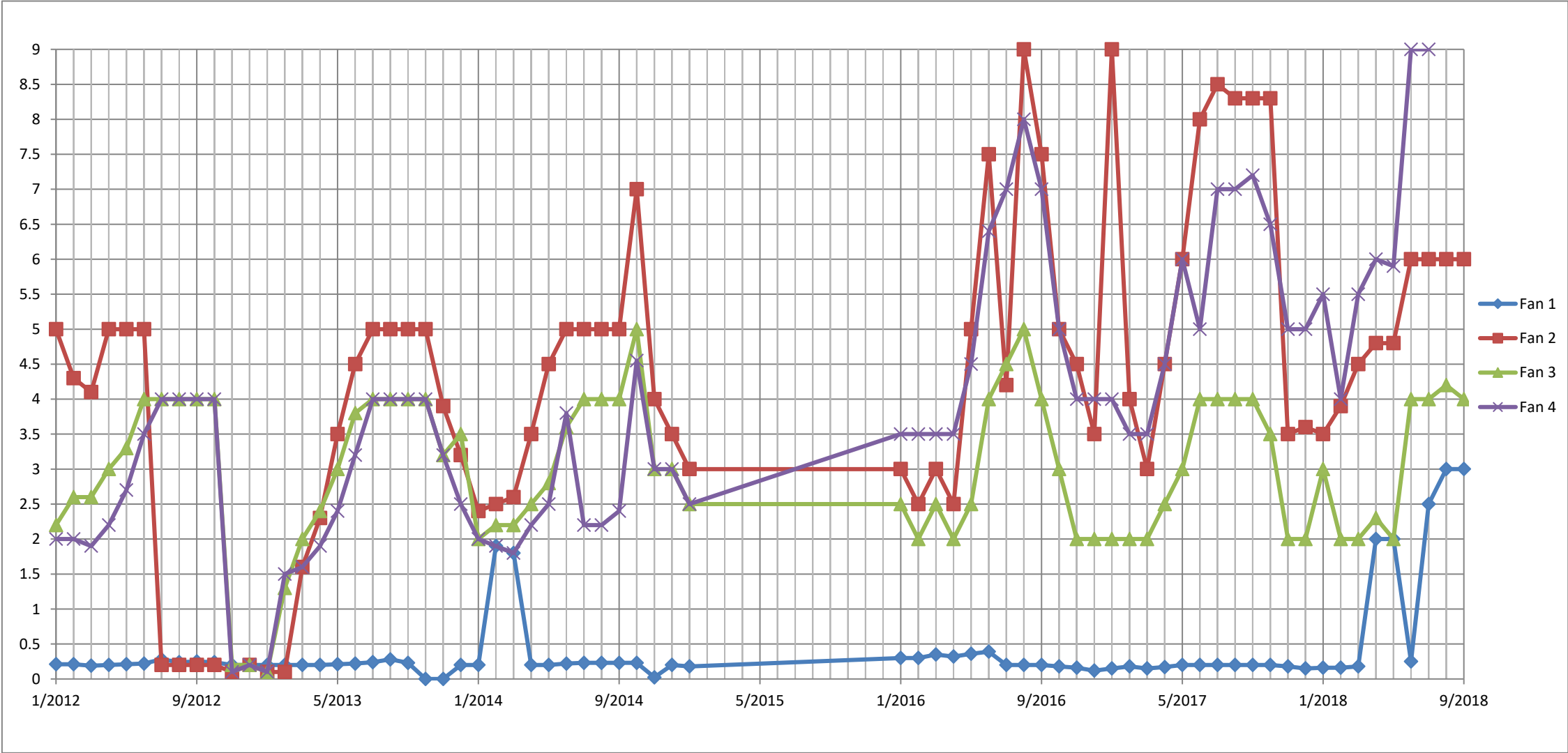


September 2018

GTP Influent	VOCs (ppb)
Chloroform	1.8
Cis-1,2-DCE	27.2
Tetrachloroethene	2.28
1,1,1-TCA	0.3
Trichloroethene	0.52
1,1-DCA	0.5
Vinyl Chloride	0.38
Total	33.0

2012-2018 SSD Fan Vacuum Reading Trending Chart

Inches of Water Column (WC)



Date



OCTOBER 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
October 2018

Operational Status

The GTP achieved an uptime of 88.4% for the month of October.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on October 11, 2018 prior to the primary AST detected 31.7 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent included 0.283 ppb of Toluene and 0.399 ppb of cis-1,2-Dichloroethene detected.

System Compliance

Based on samples collected on October 11, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.59 pounds of VOCs were removed. Approximately 5.92 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.19 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 31.15 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

10/11/2018: Samples were collected.

10/18/2018: SSD Sub-slab Vacuum readings were collected. No access point and no samples readings were obtained at T-05, T-09, T-14, and T-15.

10/9/2018 & 10/29/2018: Fan vacuum readings were collected.

9/29/2018- 10/4/2018: System Flow Value was 0.0 Million Gallons due to electrical shortage from lightning strike. Electrical system fixed on 10/4/2018.

OPERATIONAL DATA

OCTOBER 2018

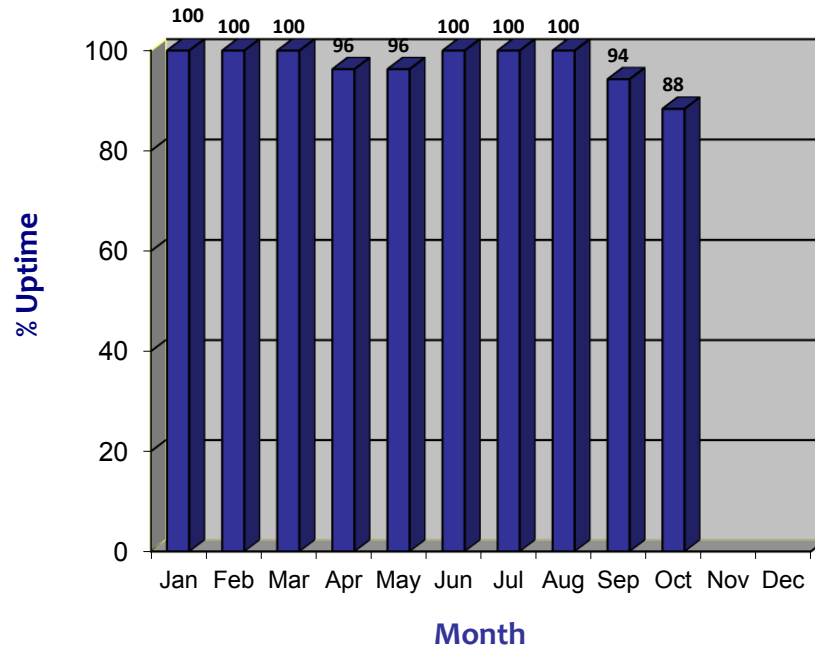
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul	100.0				3.08895				0.59
Aug	100.0				3.512050				0.67
Sep	94.3				2.980360				0.57
Oct	88.4				3.189790				0.59
Nov									
Dec									
	97.5	0.0	0.0	0.0	31.15	0.0000	0.000	0.0	5.92

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
OCTOBER 2018 ONSITE GTP DISCHARGE SUMMARY**

Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.000000	0	0.0228	0.00	electrical shortage from lighting strike
2	0.000004	0	0.0228	0.00	electrical shortage from lighting strike
3	0.000000	0	0.0228	0.00	electrical shortage from lighting strike
4	0.038453	9.9	0.0228	0.01	Problem from electrical shortage fixed
5	0.107162	24	0.0228	0.02	
6	0.116637	24	0.0228	0.02	
7	0.114862	24	0.0228	0.02	
8	0.118434	24	0.0228	0.02	
9	0.123060	24	0.0228	0.02	
10	0.122162	24	0.0228	0.02	
11	0.121784	24	0.0228	0.02	
12	0.121369	24	0.0228	0.02	
13	0.120436	24	0.0228	0.02	
14	0.119732	24	0.0228	0.02	
15	0.119867	24	0.0228	0.02	
16	0.119050	24	0.0228	0.02	
17	0.118732	24	0.0228	0.02	
18	0.117697	24	0.0228	0.02	
19	0.117611	24	0.0228	0.02	
20	0.117349	24	0.0228	0.02	
21	0.116004	24	0.0228	0.02	
22	0.115491	24	0.0228	0.02	
23	0.115200	24	0.0228	0.02	
24	0.114464	24	0.0228	0.02	
25	0.114015	24	0.0228	0.02	
26	0.113707	24	0.0228	0.02	
27	0.114101	24	0.0228	0.02	
28	0.113648	24	0.0228	0.02	
29	0.113429	24	0.0228	0.02	
30	0.112725	24	0.0228	0.02	
31	0.112604	24	0.0228	0.02	

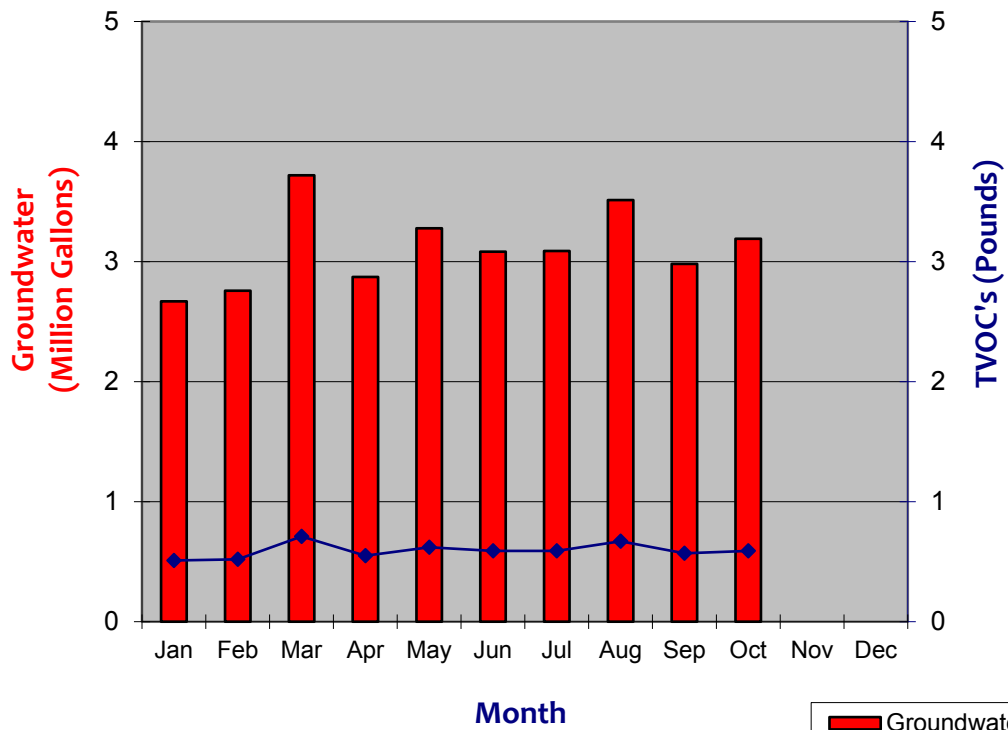
TOTAL HOURS OPERATED:	658
TOTAL MILLION GALLONS:	3.190
AVERAGE FLOW RATE WHILE OPERATING (GPM):	80.8
POUNDS RECOVERED:	0.59

**Blauvelt GTP
2018 Uptime**



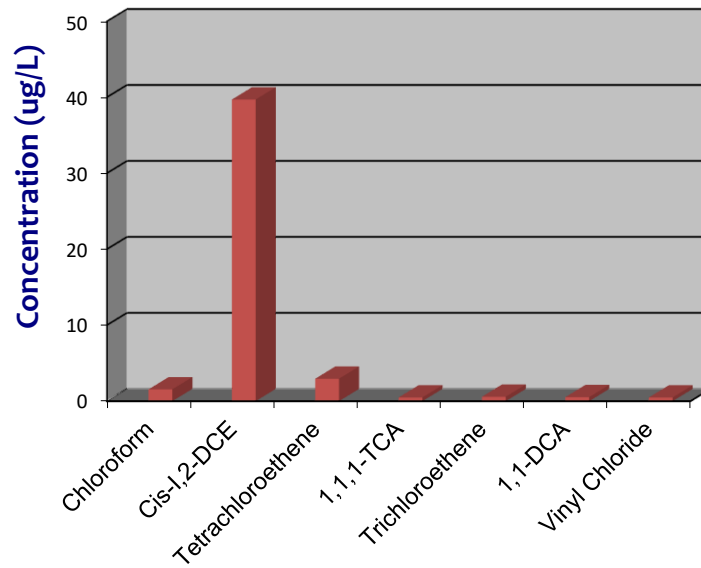
■ Uptime

**Blauvelt GTP
2018 Groundwater and VOC's**



■ Groundwater
◆ Contaminants

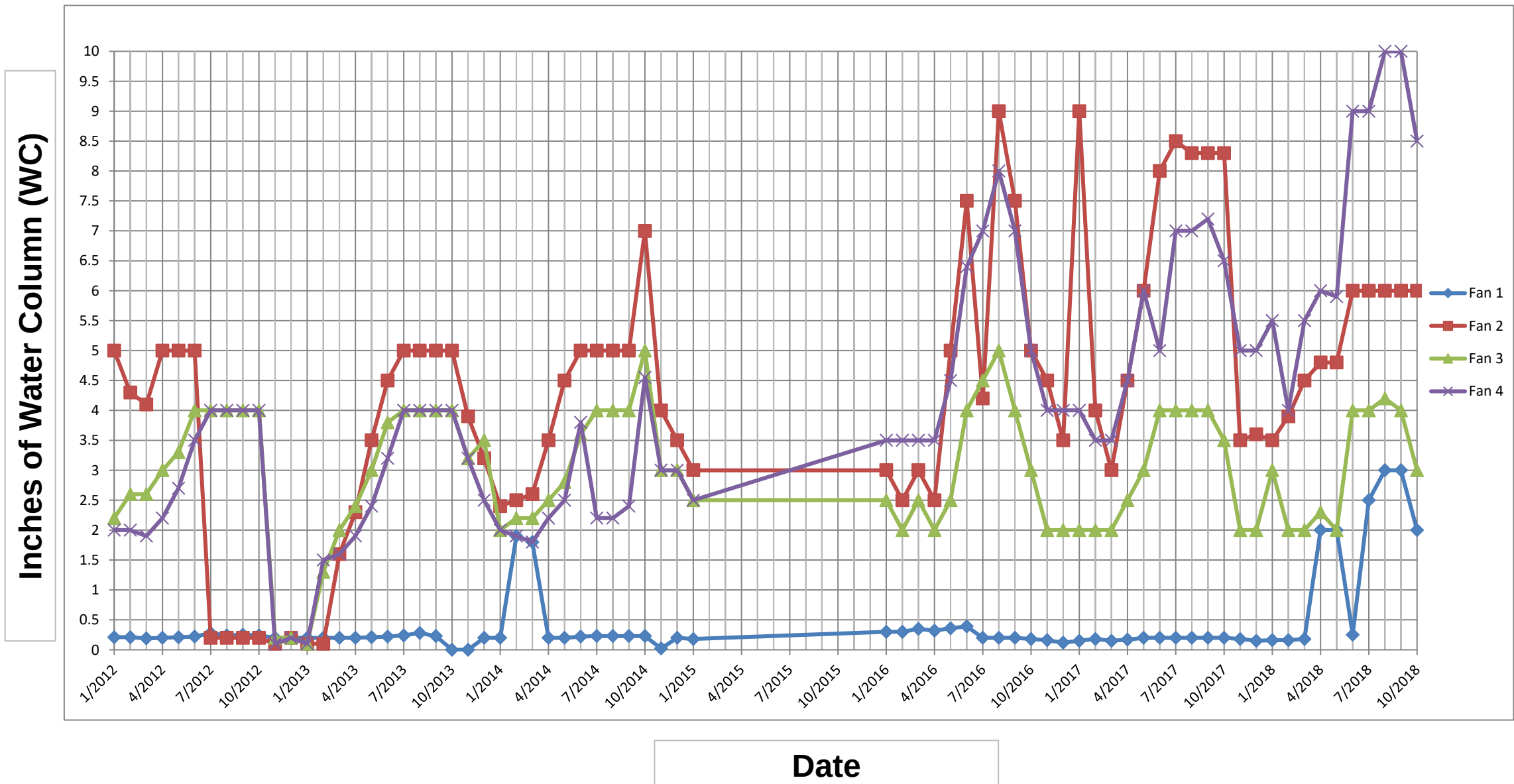
**Blauvelt GTP
Contaminant Stream Influent**



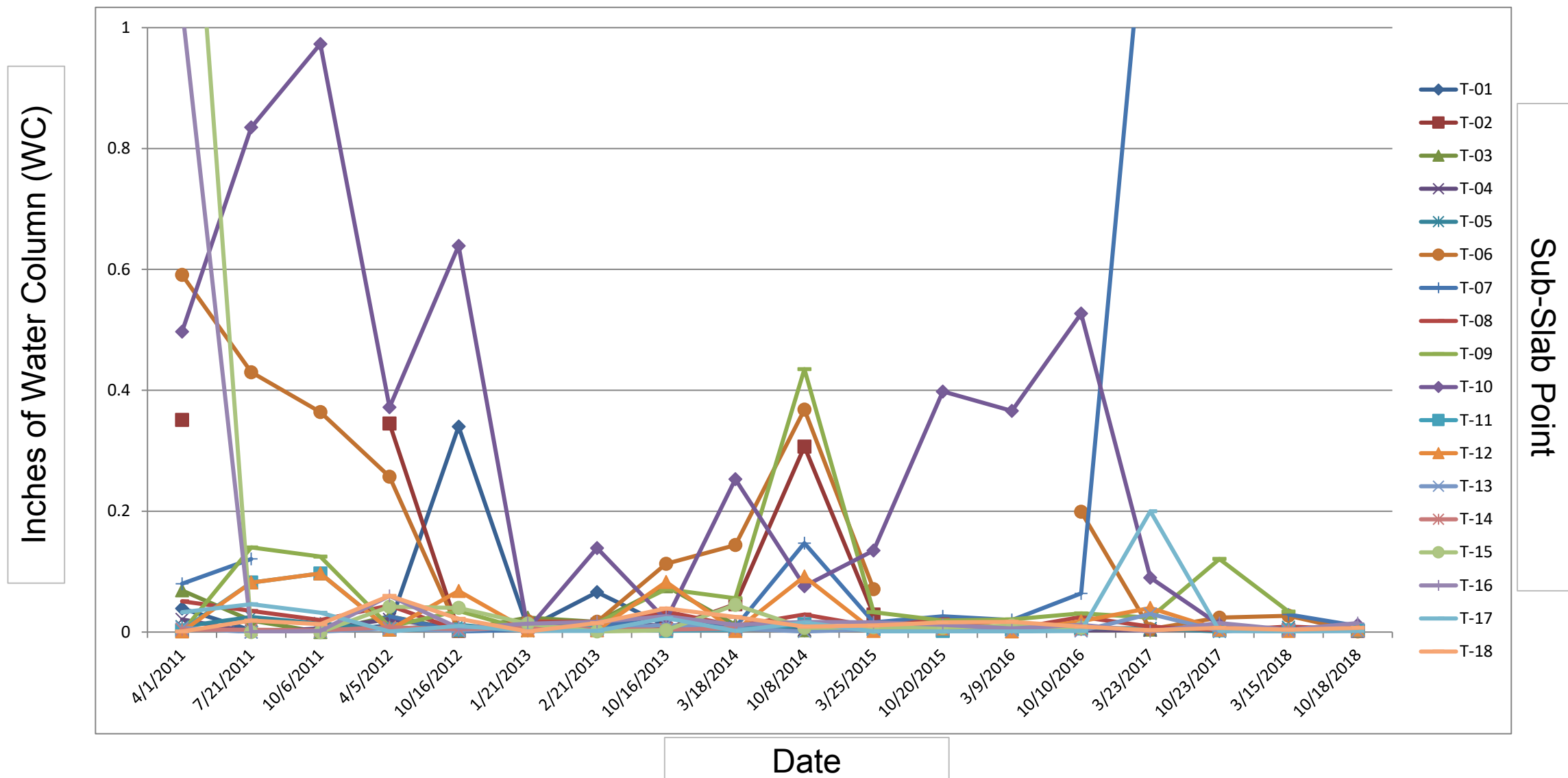
October 2018

GTP Influent	VOCs (ppb)
Chloroform	1.6
Cis-1,2-DCE	39.7
Tetrachloroethene	3.0
1,1,1-TCA	0.5
Trichloroethene	0.6
1,1-DCA	0.5
Vinyl Chloride	0.5
Total	46.3

2012-2018 SSD Fan Vacuum Reading Trending Chart



SSD Sub-Slab Vacuum Reading Trending Chart



Date	T-01	T-02	T-03	T-04	T-05	T-06	T-07	T-08	T-09	T-10	T-11	T-12	T-13	T-14	T-15	T-16	T-17	T-18
4/1/2011	0.039	0.351	0.069	0.021	0.009	0.591	0.08	0.051	0	0.497	0.003	0.001	0.007	0.004	1.554	1.033	0.033	0.001
7/21/2011	0.003		0.019	0	0.025	0.43	0.121	0.035	0.14	0.835	0.082	0.082	0	0.004	0	0	0.046	0.019
10/6/2011	0.001		0	0.006	0.014	0.364		0.02	0.125	0.973	0.097	0.097	0.001	0.003	0	0.002	0.032	0.013
4/5/2012	0.011	0.345	0.026	0.021	0.005	0.257	0.026	0.044	0.009	0.372	0.004	0.004	0.006	0.008	0.042	0.06	0.001	0.06
10/16/2012	0.34	0.002	0.003	0.006	0.012	0.003	0.001	0.003	0.035	0.639	0.004	0.068	0.002	0.005	0.04	0.007	0.01	0.022
1/21/2013	0.007		0.024	0.014	0.002	0.018	0.004	0.017	0.003	0.005	0.009	0.003	0.01	0.007	0.014	0.014	0.002	0.001
2/21/2013	0.066	0.01	0.017	0.013	0.003	0.017	0.008	0.017	0.015	0.139	0.007	0.003	0.004	0.005	0.001	0.017	0.002	0.015
10/16/2013	0.01	0.005	0.076	0.011	0.003	0.113	0.03	0.034	0.071	0.02	0.002	0.083	0.012	0.004	0.003	0.026	0.023	0.039
3/18/2014	0.005	0.046	0.012	0.007	0.008	0.144	0.008	0.01	0.056	0.253	0.004	0.002	0.006	0.006	0.045	0.012	0.002	0.025
10/8/2014	0.003	0.307	0.003	0.004	0.009	0.368	0.147	0.029	0.435	0.076	0.013	0.092	0.001		0.007	0.017	0.016	0.009
3/25/2015	0.005	0.029		0.01	0.004	0.071	0.016	0.009	0.033	0.135	0.005	0.002	0.005		0.008	0.016	0.001	0.011
10/20/2015			0.004	0.003	0.002		0.026	0.021	0.019	0.398	0.002	0.006	0.006		0.007	0.012	0.001	0.016
3/9/2016	0.004			0.004	0.004		0.02	0.005	0.021	0.366	0.005	0.001	0.003		0.011	0.006	0.001	0.017
10/10/2016	0.006		0.008	0.003	0.007	0.199	0.064	0.025	0.031	0.527	0.006	0.018	0.002	0.004	0.007	0.012	0.002	0.009
3/23/2017	0.005		0.004	0.003	0.006	0.005	1.3	0.009	0.024	0.09		0.04	0.03			0.001	0.2	0.003
10/23/2017	0.002		0.006	0.005	0.001	0.024		0.003	0.121	0.012	0.003	0.004	0.002			0.015	0.002	0.007
3/15/2018	0.005		0.006	0.005	0.008	0.027	0.029	0.009	0.034	0.003	0.003	0.002	0.002	0.004		0.004	0.001	0.004
10/18/2018	0.01	0.002	0.007	0.003		0.001	0.01	0.005		0.012	0.003	0.004	0.002			0.015	0.002	0.007



NOVEMBER 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
November 2018

Operational Status

The GTP achieved an uptime of 100% for the month of November.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on November 12, 2018 prior to the primary AST detected 34.1 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent was non-detect.

System Compliance

Based on samples collected on November 12, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.67 pounds of VOCs were removed. Approximately 6.59 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.52 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 34.67 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

11/12/2018: Samples were collected.

11/3/2018 & 11/24/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

NOVEMBER 2018

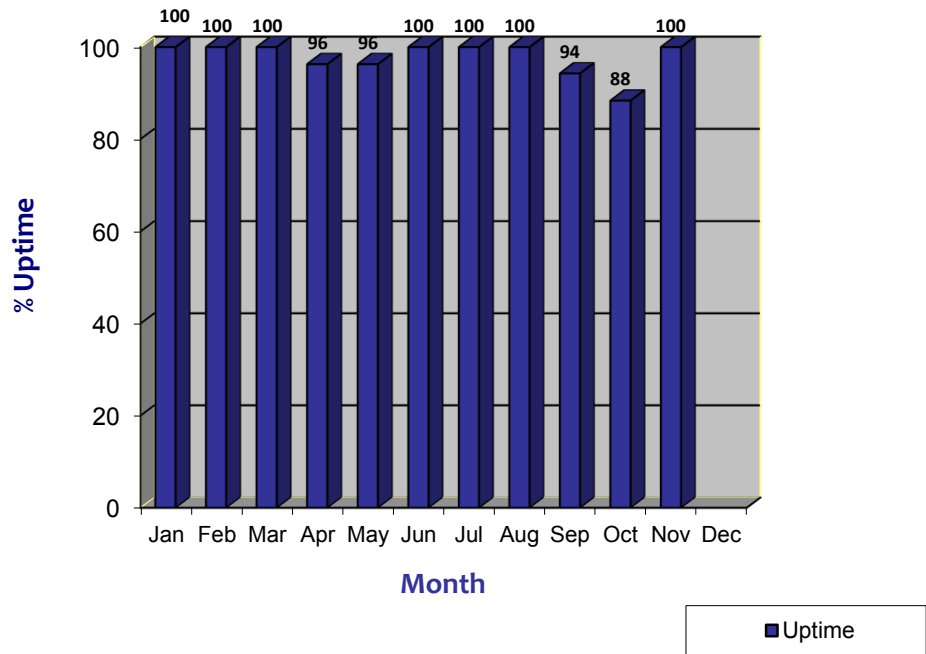
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul	100.0				3.08895				0.59
Aug	100.0				3.512050				0.67
Sep	94.3				2.980360				0.57
Oct	88.4				3.189790				0.59
Nov	100.0				3.521120				0.67
Dec									
	97.8	0.0	0.0	0.0	34.67	0.0000	0.000	0.0	6.59

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
NOVEMBER 2018 ONSITE GTP DISCHARGE SUMMARY**

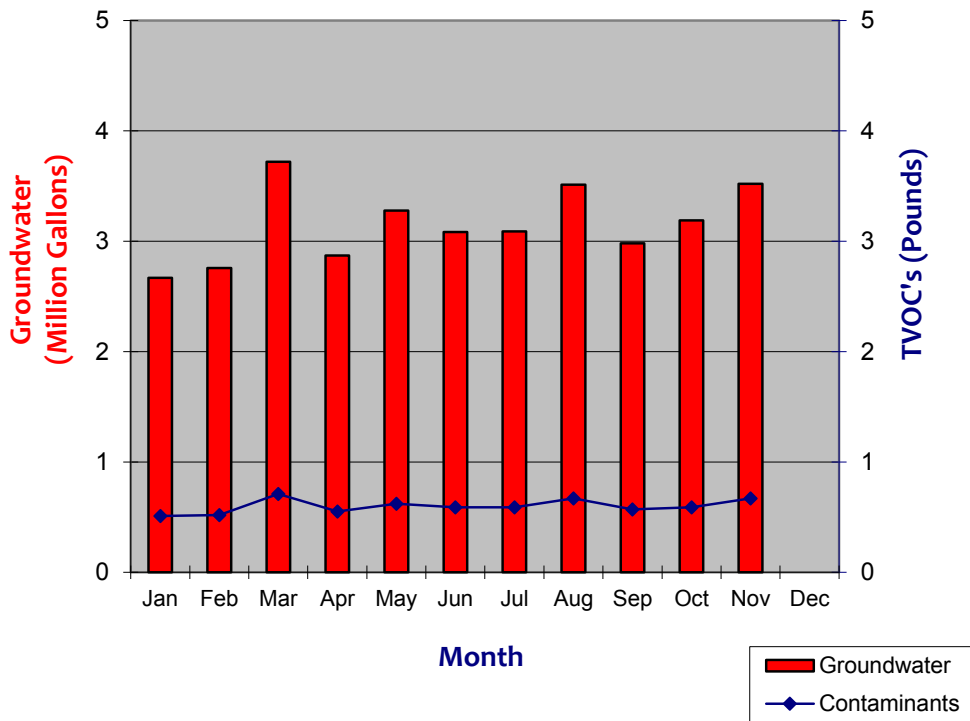
Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.112234	24	0.0228	0.02	
2	0.111957	24	0.0228	0.02	
3	0.112073	24	0.0228	0.02	
4	0.111994	24	0.0228	0.02	
5	0.112399	24	0.0228	0.02	
6	0.113033	24	0.0228	0.02	
7	0.113070	24	0.0228	0.02	
8	0.112788	24	0.0228	0.02	
9	0.113377	24	0.0228	0.02	
10	0.114162	24	0.0228	0.02	
11	0.113971	24	0.0228	0.02	
12	0.114187	24	0.0228	0.02	
13	0.115668	24	0.0228	0.02	
14	0.115594	24	0.0228	0.02	
15	0.116576	24	0.0228	0.02	
16	0.117522	24	0.0228	0.02	
17	0.117970	24	0.0228	0.02	
18	0.119140	24	0.0228	0.02	
19	0.119973	24	0.0228	0.02	
20	0.120223	24	0.0228	0.02	
21	0.120009	24	0.0228	0.02	
22	0.119615	24	0.0228	0.02	
23	0.124950	24	0.0228	0.02	
24	0.120487	24	0.0228	0.02	
25	0.121460	24	0.0228	0.02	
26	0.122633	24	0.0228	0.02	
27	0.123530	24	0.0228	0.02	
28	0.123607	24	0.0228	0.02	
29	0.123461	24	0.0228	0.02	
30	0.123453	24	0.0228	0.02	

TOTAL HOURS OPERATED:	720
TOTAL MILLION GALLONS:	3.521
AVERAGE FLOW RATE WHILE OPERATING (GPM):	81.5
POUNDS RECOVERED:	0.67

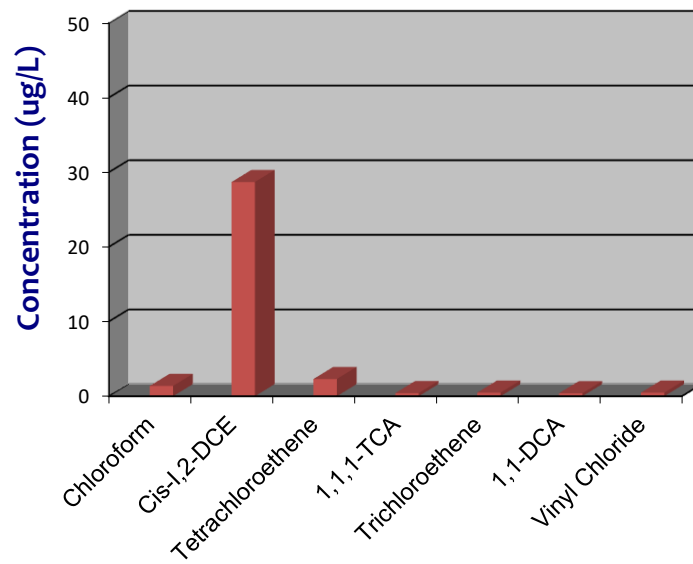
**Blauvelt GTP
2018 Uptime**



**Blauvelt GTP
2018 Groundwater and VOC's**



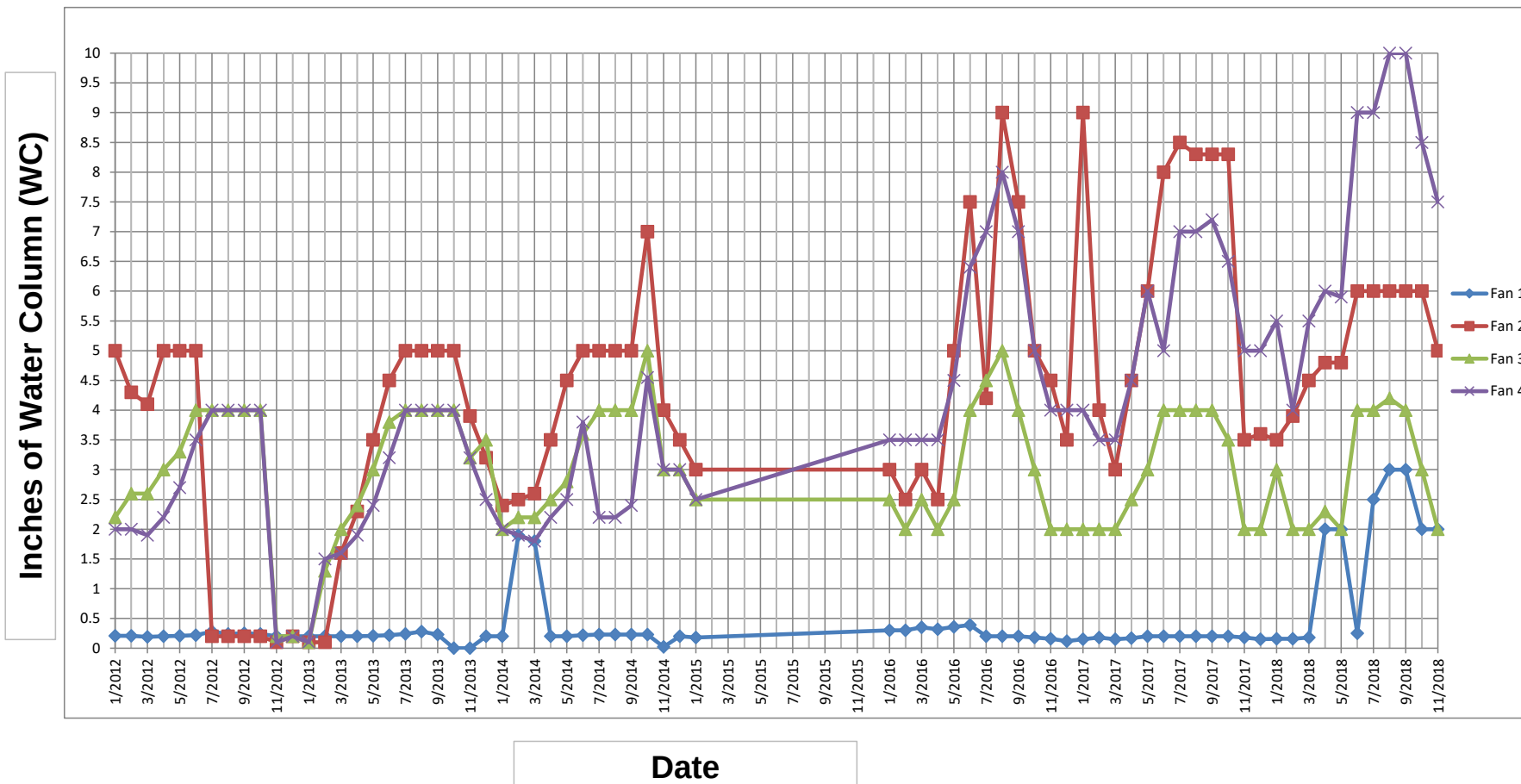
**Blauvelt GTP
Contaminant Stream Influent**



November 2018

GTP Influent	VOCs (ppb)
Chloroform	1.4
Cis-1,2-DCE	28.7
Tetrachloroethene	2.3
1,1,1-TCA	0.4
Trichloroethene	0.5
1,1-DCA	0.4
Vinyl Chloride	0.5
Total	34.1

2012-2018 SSD Fan Vacuum Reading Trending Chart





DECEMBER 2018

MONTHLY PERFORMANCE REPORT

XEROX CORPORATION
BLAUVELT REMEDIATION SYSTEM
Monthly Performance Report
December 2018

Operational Status

The GTP achieved an uptime of 100% for the month of December.

Groundwater Treatment Plant (GTP)

Treatment Efficiency: #1 Stripper = approximately 100%

Influent groundwater concentration measured on December 10, 2018 prior to the primary AST detected 40.8 parts per billion (ppb) of total volatile organic compounds (VOCs). A sample of the treated Effluent was non-detect.

System Compliance

Based on samples collected on December 10, 2018 all discharges were in compliance.

Groundwater Recovery

* During the reporting period, approximately 0.74 pounds of VOCs were removed. Approximately 7.33 pounds of VOCs have been removed by the GTP for the 2018 calendar year.

* Approximately 3.88 million gallons of groundwater were processed through the GTP during the current reporting period. Approximately 38.55 million gallons of groundwater have been treated through the GTP for the 2018 calendar year.

Comments and Observations

12/10/2018: Samples were collected.

12/7/2018 & 12/27/2018: Fan vacuum readings were collected.

OPERATIONAL DATA

DECEMBER 2018

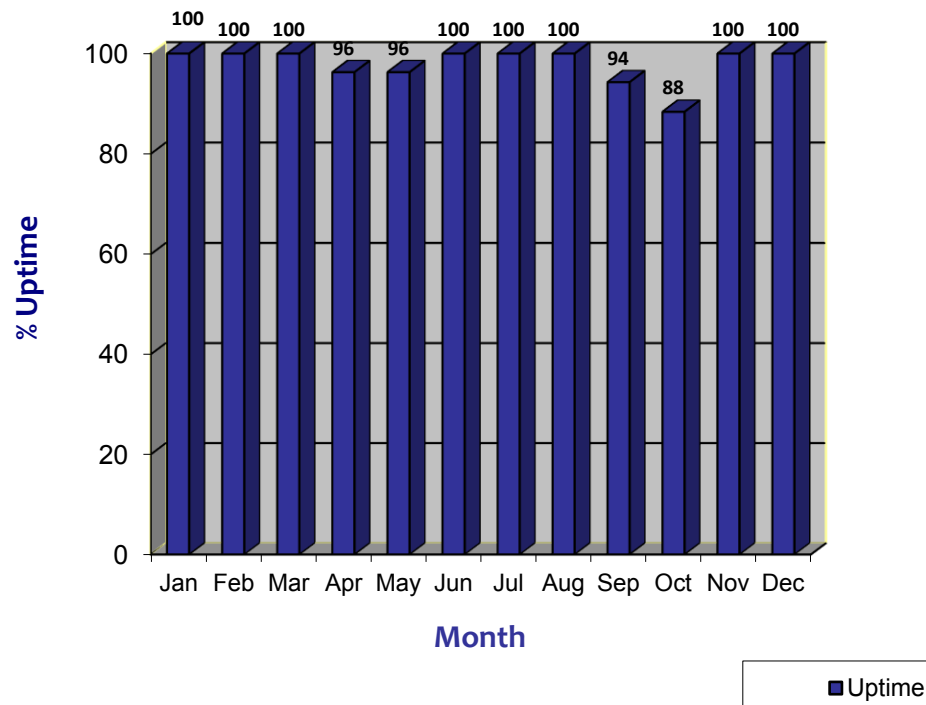
	Uptime	Uptime	Uptime	Uptime	Water	Water	Water	VES	GTP
2018	GTP	VES 1	VES 2	Off-site	Groundwater	VES	Off-site	Vap Mass	Contaminants
Jan	100.0				2.669224				0.51
Feb	100.0				2.756754				0.52
Mar	100.0				3.718930				0.71
Apr	96.3				2.871700				0.55
May	96.3				3.277090				0.62
Jun	100.0				3.082470				0.59
Jul	100.0				3.08895				0.59
Aug	100.0				3.512050				0.67
Sep	94.3				2.980360				0.57
Oct	88.4				3.189790				0.59
Nov	100.0				3.521120				0.67
Dec	100.0				3.883934				0.74
	97.9	0.0	0.0	0.0	38.55	0.0000	0.000	0.0	7.33

**XEROX BLAUVELT REMEDIATION
NYSDEC SITE CODE 3-44-021
DECEMBER 2018 ONSITE GTP DISCHARGE SUMMARY**

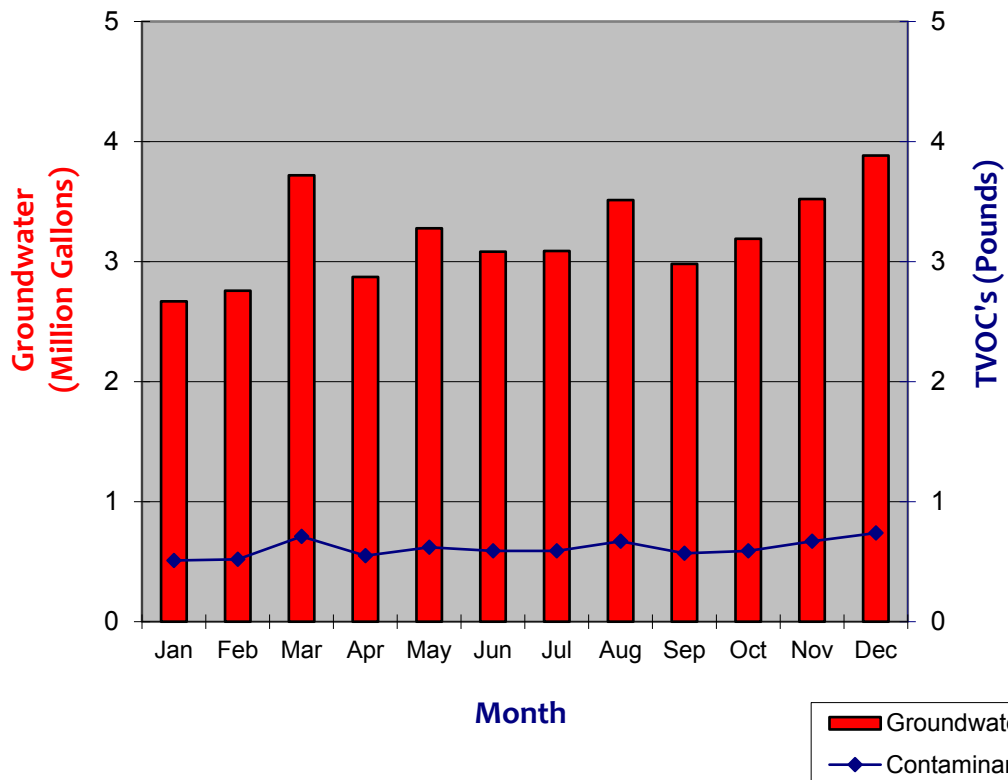
Date	MGD	Uptime	mg/L	#/day	Remarks
1	0.123473	24	0.0228	0.02	
2	0.124700	24	0.0228	0.02	
3	0.124791	24	0.0228	0.02	
4	0.124544	24	0.0228	0.02	
5	0.124697	24	0.0228	0.02	
6	0.124557	24	0.0228	0.02	
7	0.124180	24	0.0228	0.02	
8	0.124123	24	0.0228	0.02	
9	0.124211	24	0.0228	0.02	
10	0.123966	24	0.0228	0.02	
11	0.123862	24	0.0228	0.02	
12	0.123075	24	0.0228	0.02	
13	0.122355	24	0.0228	0.02	
14	0.122363	24	0.0228	0.02	
15	0.122265	24	0.0228	0.02	
16	0.122872	24	0.0228	0.02	
17	0.124137	24	0.0228	0.02	
18	0.123811	24	0.0228	0.02	
19	0.123938	24	0.0228	0.02	
20	0.124126	24	0.0228	0.02	
21	0.126676	24	0.0228	0.02	
22	0.127933	24	0.0228	0.02	
23	0.127623	24	0.0228	0.02	
24	0.127957	24	0.0228	0.02	
25	0.127601	24	0.0228	0.02	
26	0.127432	24	0.0228	0.02	
27	0.127373	24	0.0228	0.02	
28	0.128392	24	0.0228	0.02	
29	0.128894	24	0.0228	0.02	
30	0.128859	24	0.0228	0.02	
31	0.129148	24	0.0228	0.02	

TOTAL HOURS OPERATED:	744
TOTAL MILLION GALLONS:	3.884
AVERAGE FLOW RATE WHILE OPERATING (GPM):	87.0
POUNDS RECOVERED:	0.74

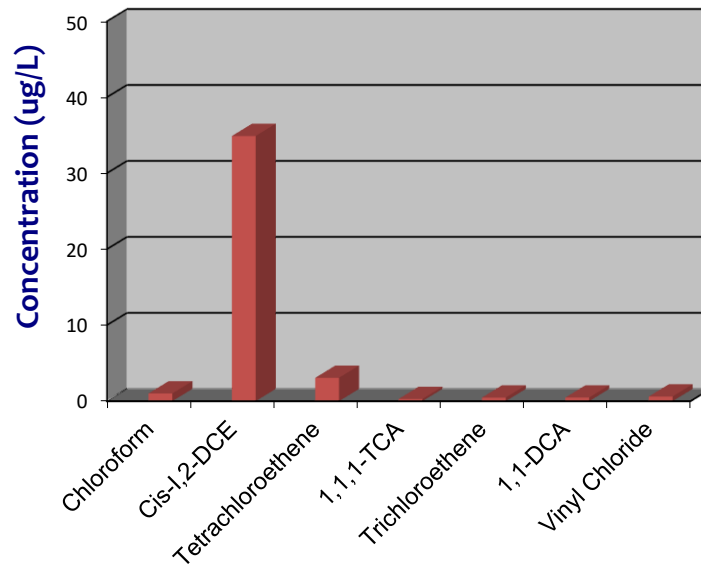
**Blauvelt GTP
2018 Uptime**



**Blauvelt GTP
2018 Groundwater and VOC's**



**Blauvelt GTP
Contaminant Stream Influent**

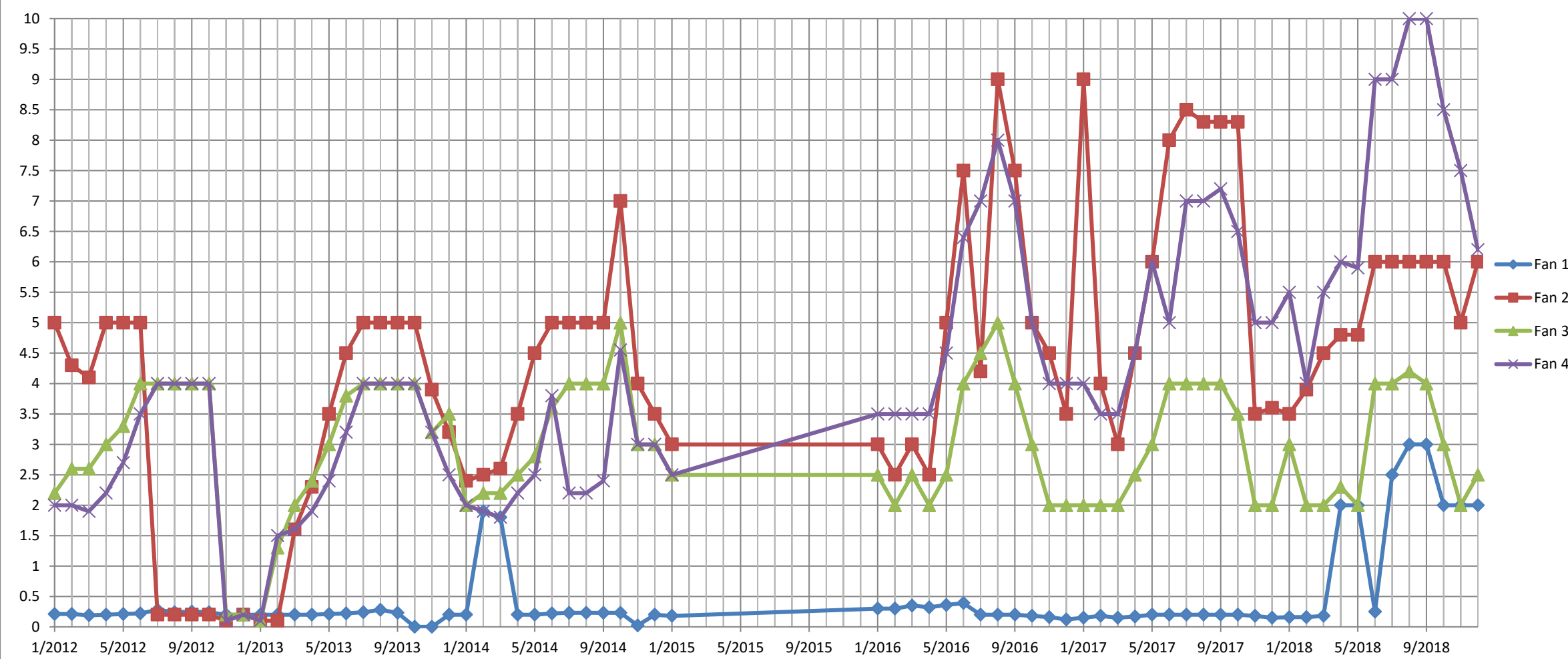


December 2018

GTP Influent	VOCs (ppb)
Chloroform	1.0
Cis-1,2-DCE	34.9
Tetrachloroethene	3.1
1,1,1-TCA	0.3
Trichloroethene	0.5
1,1-DCA	0.5
Vinyl Chloride	0.6
Total	40.8

2012-2018 SSD Fan Vacuum Reading Trending Chart

Inches of Water Column (WC)



Date