



December 3, 2020

Mr. Leo Hellested, P.E. Office of Waste Management Solid Waste Section Rhode Island Department of Environmental Management 235 Promenade Street Providence, Rhode Island 02908-5767

Attn: Mr. Robert Schmidt

Re: Quarterly Monitoring Report 3rd Quarter (September) 2020, Surface Water and Groundwater Monitoring, Sampling, and Analysis Tiverton Municipal Sanitary Landfill Pare Project No.: 94139.25

Dear Mr. Hellested:

Enclosed herewith are results of the statistical analysis of groundwater monitoring data for the third quarterly monitoring round of Year 2020 from the Tiverton Landfill (Landfill). Pare Corporation has prepared this report on behalf of the Town of Tiverton (Town). Pare conducted groundwater gauging and sampling on September 28, 2020. June 2019 is the first quarterly monitoring period where OW-12 has been designated as a background well. OW-17 was installed as an additional background well in April 2019.

Due to unseasonably dry conditions, three (3) of the groundwater monitoring wells were found to be dry at the time of sample collection: background monitoring well OW-9 and compliance monitoring wells OW-14 and OW-15. As these monitoring wells did not contain measurable amounts of groundwater, samples were not collected. Groundwater samples were able to be collected at background wells OW-12 and OW-17, and compliance wells OW-7, OW-13, and OW-16.

Groundwater samples were analyzed by New England Testing Laboratory (NETLAB) of West Warwick, Rhode Island for the constituents listed in the Rhode Island Department of Environmental Management's (RIDEM's) *Solid Waste Regulations No.2, Solid Waste Landfills* (250-RICR-140-05-2), Section 2.3.26, *Constituents for Detection Monitoring*. Certified laboratory results data are enclosed as **Attachment 1** and are summarized on attached Table 1.

Groundwater field parameters consisting of temperature, pH, and specific conductivity were measured at each monitoring well, in accordance with the RIDEM-approved Groundwater Monitoring Plan for the Landfill. Field parameters were collected until three successive measurements stabilized within \pm 3% for temperature, \pm 0.1 standard unit for pH, and \pm 3% for specific conductivity, in accordance with US EPA's Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures. Field parameters are documented on Field Sampling Data Sheets, which are provided as **Attachment 2**.

Combustible gases are monitored at each well and at the top of the landfill. Each of the well locations, with the exception of OW-15, had no detections of combustible gas observed during this monitoring round. At OW-15 20% of the LEL was recorded. During the previous monitoring round in June 2020, OW-15 had a methane reading of >99% the Lower Explosive Limit (LEL). Historically, combustible gas monitoring during quarterly groundwater monitoring events had not resulted in detections of LEL exceedances until March 2019, when OW-15 produced a concentration of combustible gases at 44% of the LEL. Subsequent monitoring has resulted in continually increasing



LEL fractions being detected, with readings >99% of the LEL observed during March and June 2020. During the previous monitoring round, the cap on OW-15's standpipe was adjusted to allow for ventilation. Venting the cap, appears to have been effective at reducing the LEL readings at this location; however further monitoring is warranted to determine whether this reduction of combustible gases is a result of allowing the standpipe to vent or is related to drought conditions observed in the field. The results of surface water and groundwater sampling and analysis are summarized in the following section.

HUMAN HEALTH THRESHOLD EVALUATION

Background Well OW-9 – OW-9 was observed to be dry in the field and a sample could not be collected.

<u>Background Well OW-12</u> – Nine (9) target metals were reported in the groundwater sample collected from OW-12 above the laboratory detection limits. One (1) targeted metal, lead (0.0601 mg/L) was detected above the corresponding MCL of 0.015 mg/L at OW-12. No (0) target VOCs were reported above laboratory detection limits at OW-12.

<u>Background Well OW-17</u> – Eight (8) target metals were reported in the groundwater sample collected from OW-17 above the laboratory detection limits. None (0) of the detected target metals were reported above their corresponding MCLs or human health thresholds at OW-17. No (0) target VOCs were reported above laboratory detection limits at OW-17.

<u>Compliance Well OW-7</u> – Twelve (12) target metals were reported in the groundwater sample collected from OW-7 above the laboratory detection limits. One targeted metal, lead (0.0209 mg/L) was detected above the corresponding MCL of 0.015 mg/L at OW-7. No (0) target VOCs were reported above laboratory detection limits at OW-7.

<u>Compliance Well OW-13</u> – Thirteen (13) target metals were reported in the groundwater sample collected from OW-13 above laboratory detection limits. One target metal, cadmium (0.0112 mg/L), was detected in excess of the MCL of 0.005 mg/L. Two (2) target VOCs; 1,4-dichlorobenzene and chlorobenzene; were detected above the laboratory detection limits but below the applicable MCLs and human health threshold values. No (0) other target VOCs were reported above laboratory detection limits at OW-13.

Compliance Well OW-14 – OW-14 was observed to be dry in the field and a sample could not be collected.

Compliance Well OW-15 – OW-15 was observed to be dry in the field and a sample could not be collected.

<u>Compliance Well OW-16</u> – Nine (9) target metals were reported in the groundwater sample collected from OW-16 above laboratory detection limits. None (0) of the detected target metals were reported above their corresponding MCLs or human health thresholds at OW-16. No (0) target VOCs were reported above laboratory detection limits at OW-16.

TOLERANCE INTERVAL STATISTICAL EVALUATION

The Tolerance Interval (TI) approach was used to develop Tolerance Limits (TLs) for each target inorganic constituent (i.e., metals) using the background well analytical results from the eight preceding rounds for which analytical results are available. The data from OW-12, recently designated as a background well, was included in a re-evaluation of background TLs beginning with the June 2020 monitoring period. Due to occasional inability to sample one or more background wells, data from the present monitoring period through December 2016 were utilized to calculate applicable background TLs. The TI approach is considered inappropriate for analysis of organic constituents due to their presence being the result of anthropogenic activities. The TL for organic constituents is therefore presumed to be zero (i.e., not present); however, laboratory detection limits are unable to reach this level of



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certainty and as such, this method is not applicable to organic constituents and was therefore not performed to evaluate the results of reported VOCs.

Three (3) metals; barium, cadmium, and lead; had reported concentrations that exceeded their corresponding TLs calculated during the September 2020 monitoring round in at least one compliance well. Additionally, barium was detected in background monitoring well OW-12 in excess of the calculated TL, and lead was detected in background monitoring well OW-12 in excess of both the calculated TL and the MCL. In total, there were six (6) TL exceedances of these metals in this monitoring round. The TLs and the corresponding compliance well data from this monitoring round are presented in Table 2. Barium was also detected in compliance wells OW-7 and OW-13 in excess of the calculated TL. Cadmium was detected in compliance well OW-13 in excess of the MCL and is routinely detected in groundwater at the landfill and at OW-13. Lead was detected at OW-7 in excess of the MCL; detectable concentrations of lead are routinely detected in compliance well OW-7; however, an exceedance of the MCL has not been detected since June 2011.

As indicated previously, several groundwater monitoring wells; background monitoring well OW-9 and compliance groundwater monitoring wells OW-13 and OW-14, were dry during this monitoring period due to unusual drought conditions. According to the National Oceanic and Atmospheric Administration (NOAA), average precipitation in Tiverton, Rhode Island is roughly 48-inches per year, with an average of 3.7-inches of precipitation during the month of September. During this monitoring period, less than 1-inch of precipitation was measured over the month of September 2020. Additionally, drought condition were observed during the previous monitoring round, in June 2020. Since the previous monitoring period, approximately 2.95-inches of precipitation were measured in Tiverton, significantly below the average of 10.32-inches of precipitation historically observed during this period (July – September 2020). Precipitation measurements from the nearest NOAA monitoring station for the months of July through September 2020 are provided as **Attachment 4**.

According to the United States Geologic Survey (USGS)¹, a reduction in groundwater volume may result in less naturally-occurring dilution of products of rock weathering, resulting in an increased concentration of these products observed in groundwater samples and the potential absence or availability of different metals due to the changes in geologic conditions caused by drought. The changes observed in background monitoring well OW-12 appear to be consistent with the USGS information.

CUSUM METHOD STATISTICAL EVALUATION

The Shewhart-CUSUM Method, a supplemental statistical analysis method used in addition to the TI Method, was performed in accordance with the US EPA documents titled "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Interim Final Guidance, April 1989" and "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Addendum to Interim Final Guidance, July, 1992". Graphs of CUSUM values for inorganic metals for each observation well is shown on **Attachment 3.** Due to revised laboratory analytical methodology, the laboratory method detection limits for the parameters have been significantly lowered since the initial calculation of CUSUM parameters. As such, these values were recalculated to adjust for lowered method detection limits, and the CUSUM values for any parameters that exceeded the 1/2 limit of 5 standard deviations were reset to zero at the June 2019 sampling round to evaluate changes to CUSUM values that have occurred within the past year to date. OW-7 and OW-9 have also been incorporated into the Shewhart-CUSUM model as of the previous monitoring round in June 2020.

Barium and lead in background monitoring well OW-12 exceeded their Shewhart-CUSUM thresholds during the September 2020 monitoring round. As indicated in the previous section, this appears to be due to drought conditions

¹ Bexfield, L. (2020). Metals and Other Trace Elements. Retrieved October 6, 2020, from <u>https://www.usgs.gov/mission-areas/water-resources/science/metals-</u> and-other-trace-elements?qt-science_center_objects=0



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observed in the field at the time of sample collection. Groundwater at OW-12 during the September 2020 monitoring round was encountered at 15.52-feet below ground surface (BGS), an approximate 10-foot decrease in elevation compared to the previous monitoring round (5.43-feet BGS in June 2020). Additionally, the water column at OW-12 was less than ½-foot from the bottom of the well and purging of the well using a peristaltic pump caused the well to go dry. Upon allowing the well to recharge for roughly 15-minutes, the remaining three (3) well volumes of groundwater were purged *via* hand-bailing, which may have resulted in disturbance of excess sediments. Pare will continue to monitor background monitoring well and precipitation conditions to determine whether these results are representative of groundwater conditions at background monitoring well OW-12.

The Shewhart-CUSUM models between OW-16 and OW-7 indicate a greater degree of impact to OW-7 from metals, specifically arsenic, cadmium, copper, lead and zinc, compared with OW-16. No compounds exceeded their respective Shewhart-CUSUM thresholds in these wells, and no other Shewhart-CUSUM threshold exceeds were identified in groundwater monitoring wells sampled during this monitoring round.

ASSESSMENT MONITORING

The Shewhart-CUSUM analysis is utilized, along with the Tolerance Limits, to identify when Assessment Monitoring should be performed. In accordance with the May 2006 Groundwater Monitoring Plan, Assessment Monitoring is triggered if:

- 1. An inorganic parameter exceeds the upper Tolerance Limit in two (2) consecutive rounds <u>and</u> that parameter exceeds one of the two (2) Shewhart-CUSUM control limits in the latter monitoring round; or
- 2. An organic parameter exceeds one of the two Shewhart-CUSUM control limits.

The above conditions were not observed during the previous groundwater monitoring round in June 2020, and as such, assessment monitoring was not performed this round. Exceedances of the Shewhart-CUSUM thresholds were detected for barium and lead in background monitoring well OW-12 during the current monitoring round, and both compounds were also identified in excess of the Tolerance Limit in OW-12 during the current monitoring round. Based on this information, an evaluation of the need for assessment monitoring will be performed upon completion of the December 2020 monitoring round.

SURFACE WATER MONITORING

Per the request of the RIDEM in a letter dated January 31, 2019, the Town began incorporating surface water monitoring at surface water locations SW-1, SW-2, and SW-3 into the existing regular quarterly monitoring program. The parameters for surface water monitoring include: Solid Waste Regulations No. 2, Section 2.3.26: *Detection Monitoring* metals, mercury, tin, iron, calcium, magnesium, ammonia, total Kjeldahl nitrogen (TKN), total nitrogen, total phosphorus, and hardness. During the September 2020 monitoring round, the surface water sampling locations were observed to be dry and samples could not be collected. Photographs of the sampling locations were collected and are provided below.



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Monitoring Location SW-1:



Normally a stagnant or slightly flowing body of water several inches deep, no surface water was present at SW-1 for sample collection. Soils in the lower elevation areas near SW-1 were observed in the field to be moist.



Monitoring Location SW-2:

Normally a running stream, no surface water was present at SW-2 for sampling collection.

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Monitoring Location SW-3:



Normally a stagnant or slightly flowing stream/marsh, no surface water was present at SW-3 for sample collection. Soils at the lower elevation areas near SW-3 were observed in the field to be moist.

During the June 2020 monitoring round, conditions at the surface water sample locations were indicative of reduced surface water presence and flow. Pare opined that ongoing drought conditions were affecting the sample locations and the analytical results received, which produced higher concentrations of several targeted analytes than have previously been observed. Pare sought to compare the June 2020 analysis with the September 2020 round; however, samples could not be collected during the September 2020 monitoring round. The conditions observed during the September 2020 monitoring round appear to support the opinion presented in the June 2020 monitoring report; however, additional sample analysis is needed to further confirm that drought conditions contributed to an increase in targeted analyte concentrations observed during the June 2020 monitoring round. Pare is anticipating that samples will be able to be obtained during the December 2020 monitoring round.

MTBE ANALYSIS

Many of the most recent Assessment Monitoring rounds have been conducted due to MTBE concentrations in groundwater. Reported MTBE concentrations have generally risen since September 2006, as depicted in **Attachment 5**. Graph 1 in **Attachment 5** compares the recent increases in reported MTBE data from September 2006 to September 2020, while Figure 2 compares the MTBE concentrations detected at OW-7 and OW-16 since November 2017. MTBE concentrations are compared to historical concentrations and drinking water advisories defined in the US EPA document titled "2011 Edition of the Drinking Water Standards and Health Advisories".

Although reported MTBE concentrations appeared to be trending slowly upward, MTBE has never been reported above its odor threshold (0.020 mg/L) or its taste threshold (0.040 mg/L). The US EPA has not established a human health advisory concentration for MTBE.



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Since the beginning of quarterly monitoring in 2018, concentrations of MTBE now appear to be stabilizing in OW-13, OW-14, and OW-15, with all detected concentrations during the June 2020 round being lower than the highest concentrations historically detected at each well and well below the odor and taste thresholds as well as being below the RIDEM GA Groundwater Objectives. During the September 2020 monitoring round, OW-14 and OW-15 were observed to be dry in the field and samples could not be collected. Remaining wells sampled during the September 2020 monitoring round did not produce detectable concentrations of MTBE.

Despite CUSUM values of MTBE at OW-13, OW-14, and OW-15 remaining above their threshold during the September 2020 monitoring round, Pare does not recommend Assessment Monitoring due to the aforementioned MTBE trend. The lack of Section 2.3.27 parameters in the past suggests that the presence of MTBE trend does not indicate an increased likelihood that Section 2.3.27 parameters would be present beneath the Landfill.

MTBE concentrations at OW-7 and OW-16 appear to be relatively similar and trending toward an overall decrease in concentration. The data appears to indicate a hydrogeological connection between the overburden and bedrock groundwater aquifers in this area, as well as seasonal fluctuations in concentrations of MTBE, which appear to increase during the winter months at OW-16 while decreasing at OW-7, and decrease during the summer months at OW-16 while increasing at OW-7. Of note, MTBE was not detected during the September 2020 monitoring round.

The absence of detectable MTBE concentrations in groundwater at the Landfill during the September 2020 monitoring round is thought to be related to the depressed groundwater elevations observed across the Landfill during this monitoring round, likely related to drought conditions. Should drought conditions be alleviated, Pare expects to find detectable concentrations of MTBE in future monitoring events.

CONCLUSIONS AND RECOMMENDATIONS

Currently, the Town conducts Detection Monitoring at the Landfill for the parameters listed in Section 2.3.26 of the State Solid Waste Regulations, as well as mercury and tin. During this monitoring round, three (3) metals; barium, cadmium, and lead; exceeded their tolerance limits (TLs) in at least one well. Additionally, while compliant with the Site-specific TL, the concentrations of cadmium detected at OW-13 and lead detected at OW-7 exceeded the MCL. Concentrations of barium and lead were also detected in excess of the Site-specific TL at background monitoring well OW-12, with the concentration of lead also exceeding the MCL. Based on the ongoing drought conditions observed during the past two (2) monitoring rounds, Pare is of the opinion that continued detection monitoring, including at least one (1) round performed subsequent to drought relief, will be conducted prior to determining whether assessment monitoring should be implemented. Historically, barium, cadmium and lead have been routinely detected in groundwater at the Site, and past assessment monitoring due to an influx of these compounds in groundwater has not been indicative of the presence of additional Section 2.3.27 parameters. As such, Pare is of the opinion that Assessment Monitoring is not warranted for the December 2020 monitoring round.

Several parameters in surface water were identified during the June 2020 monitoring round in excess of previous concentrations detected as well as applicable human health thresholds and/or freshwater aquatic life criteria. Specifically, arsenic, iron, lead and zinc were detected in excess of one or more criteria in all three (3) surface water samples, and chromium, barium and copper were detected in excess of one or more criteria in SW-3. Concentrations of detected parameters were, on average, higher than previously detected in all three (3) surface water samples. Pare is of the opinion that below average precipitation and the resulting stagnation and anaerobic conditions generated because of the absence of precipitation resulted in excess microbial respiration at the sample locations, resulting in the generation of metal ions and inorganic metal compounds that were subsequently present in the sample at the time of sample collection. Pare attempted to conduct the September 2020 monitoring round between 24- and 72-hours after a significant storm event occurred, however less than 1-inch of rain occurred during the entire month of September and this could not be completed. During the September 2020 monitoring event, the surface water sampling locations were observed to be dry, and no samples could be collected.



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Pare recommended that wells OW-7 and OW-16 be incorporated into the compliance monitoring regimen in the 2017 Annual Groundwater Monitoring Report. Despite OW-7 having several years of sampling data, the sampling rounds were selected on a rotating basis with wells OW-6 and OW-8 for alternate monitoring. Pare recommended that wells OW-7 and OW-16 be sampled for two years, or eight consecutive monitoring rounds, prior to initiating statistical analysis. The June 2020 monitoring round marked the eighth consecutive round of sampling, and the initial statistical analyses was presented in the June 2020 report. During the September 2020 monitoring round, laboratory analysis of these sampling locations did not identify detectable concentrations of MTBE, which have historically been detected in both OW-7 and OW-16. Pare is of the opinion that drought conditions contributed to the absence of MTBE in groundwater during this monitoring round, and that future monitoring will produce detectable MTBE concentrations in these wells upon alleviation of the drought.

Historically, methane has not been an issue at the landfill; however, the last four (4) monitoring rounds have seen methane detections at monitoring well OW-15, including a >99% LEL reading in June 2020 and a 20% LEL during September 2020. Adjusting the cap at OW-15 to allow for ventilation has been effective at reducing the LEL values measured at this well. Compliance well OW-15 is almost 400 feet from the nearest property line and given that no other wells had combustible gases at detectable levels, it does not appear that this occurrence of combustible gases warrants immediate action.

Should the RIDEM have any questions regarding this letter or the attached data, please feel free to contact the undersigned at (401) 334-4100, thank you.

Very truly yours,

Timothy P. Thies, P.E. Senior Vice President

TPT/AWB/abv

Attachments

Figure 1 – Site Plan Depicting Notable Features and Sampling Locations

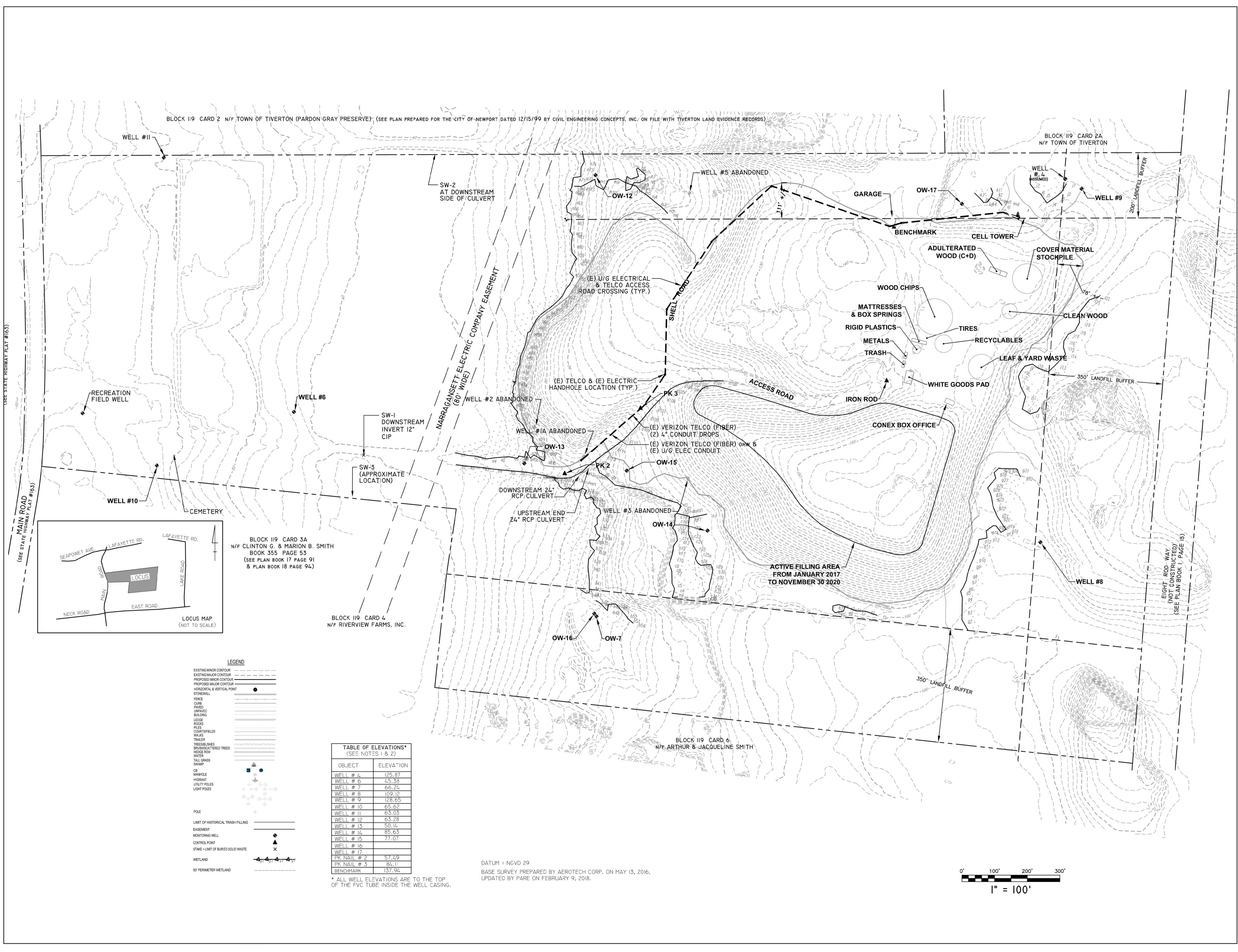
Table 1 – Historical Analytical Data, Observation Wells Table 2 – Tolerance Intervals for September 2020 Monitoring Period

Attachment 1 – Laboratory Analytical Report, Observation Well Sampling Attachment 2 – Field Sampling Data Sheets, Surface Water and Observation Water Logs Attachment 3 – Shewhart/CUSUM Graphs for Inorganic Compounds, Observation Wells Attachment 4 – July, August and September 2020 Precipitation Data, Tiverton, RI Attachment 5 – MTBE Historical Concentration Graphs

Cc: Richard Rogers, Tiverton Public Works Director (w/encl.) Jay Lambert, Tiverton Landfill Subcommittee (w/encl.) Christopher Cotta, Tiverton Town Administrator (w/encl.) Arianne Barton, Pare Corporation (w/o encl.)

FIGURE 1

Site Plan Depicting Notable Features and Sampling Locations



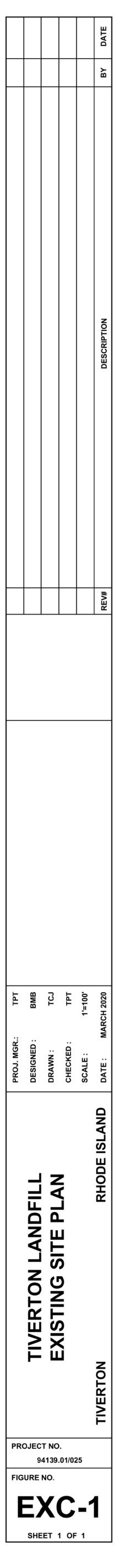


TABLE 1

Historical Analytical Data, Observation Wells

TABLE 1 SUMMARY OF GROUNDWATER MONITORING RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-7

Concentration (expressed in same units as Threshold Value)

Parameter	Threshold Value	Sep-20	Jun-20	Mar-20	Dec-19	Jun-19	Mar-19	Dec-18	Sep-18	Jun-18	Mar-18	Nov-17	Sep-17	Mar-17	Mar-16	Sep-16	Mar-15
Metals																	
Antimony	0.006 mg/L1	0.0002	ND	ND	NT	0.0002	0.0002	0.001	ND	ND	ND	ND	ND	0.0070	ND	ND	ND
Arsenic	0.010 mg/L1	ND	0.0001	ND	NT	0.0001	0.0002	ND	ND	0.0100	ND	ND	ND	ND	0.0070	ND	ND
Barium	2 mg/L1	0.09	0.025	0.033	NT	0.0270	0.0340	0.0400	0.0540	0.0280	0.0380	0.0350	0.0330	0.0380	0.0390	0.0300	0.0330
Beryllium	0.004 mg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.005 mg/L ¹	0.0034	0.0004 ND	0.0005	NT NT	0.0005	0.0007	ND 0.0040	0.004 0.0180	ND 0.0040	ND 0.0050	ND 0.0050	ND 0.0040	0.0010	ND ND	0.0010 ND	ND ND
Chromium Cobalt	0.1 mg/L¹ 0.73 mg/L⁵	0.0016	0.0029	0.0001	NT	0.0008	0.0011	0.0040	0.0180	0.0040	0.0050	0.0050	0.0040	0.0060	0.0280	0.0200	0.0250
Copper	1.3 mg/L ¹	0.0018	0.002.9 ND	ND	NT	0.0078	0.0030	0.0200 ND	0.0220	ND	ND	0.0050	ND	0.0250	0.0260	0.0200	0.0250
Lead	0.015 mg/L ¹	0.0209	0.0011	0.0003	NT	0.0002	0.0013	ND	0.006	ND	ND	ND	ND	ND	ND	0.0010	0.0050
Mercury	0.002 mg/L1	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	0.1 mg/L ²	0.003	0.004	0.009	NT	0.0090	0.0110	0.0220	0.0320	0.0180	0.0210	0.0210	0.0190	0.0250	ND	0.0200	0.0240
Selenium	0.05 mg/L1	ND	ND	ND	NT	ND	ND	0.005	ND	ND	0.0100	ND	0.0030	ND	0.1070	0.0070	0.1880
Silver	0.1 mg/L ^{2·3}	0.0001	ND	ND	NT	ND	0.0002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.002 mg/L ¹	0.0002	ND	ND	NT	ND	ND	0.0003	ND	ND	0.0003	ND	ND	ND	ND	ND	ND
Tin Vanadium	22 mg/L⁵ 0.26 mg/L⁵	ND 0.001	ND ND	ND ND	NT NT	ND 0.0009	ND 0.0013	ND ND	NT 0.016	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Zinc	2 mg/L ²⁻³	0.001	0.002	0.004	NT	0.0070	0.0060	0.0180	0.0850	0.0140	0.0180	0.0200	0.0120	0.0210	0.0050	0.0120	0.0060
Volatile Organic Compounds	2	0.001	0.002	0.001		0.0010	0.0000	0.0100	0.0000	0.0110	0.0100	0.0200	0.0120	0.0210	0.0000	0.0120	0.0000
1,1,1,2-Tetrachloroethane	70 µg/L ²	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.2 µg/L ²	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5 µg/L ^b	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	7 µg/L1	ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,2,3-Trichloropropane 1,2-Dibromo-3-chloropropane	0.03 µg/L ⁷ 0.2 µg/L ¹	ND ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.05 µg/L ¹	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1.2-Dichlorobenzene	600 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	µg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	610 µg/L⁵	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND
Acrylonitrile Benzene	0.039 µg/L⁵ 5 µg/L¹	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Bromochloromethane	90 μg/L ²	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	80 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	10 µg/L ²	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L⁵	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100 µg/L1	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Chlorodibromomethane Chloroethane	80 μg/L¹ 4.6 μg/L⁵	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	4.6 μg/L ¹ 80 μg/L ¹	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	3 µg/L ²	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	70 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.27 µg/L ^{6-a}	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L⁵	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl butyl ketone (2-Hexanone) Methyl ethyl ketone (2-Butanone)	160 µg/L⁵ 4000 µg/L²	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Methyl iodide	4000 μg/L- μg/L	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	20 - 40 μg/L⁴	ND	2	4	NT	3.01	4.0	6.38	4.87	3.56	6.80	5.9	5.36	10.3	8.8	ND	ND
Methylene chloride	5 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	100 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	ND
Tetrachloroethylene (PCE)	5 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	100 µg/L ¹	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene trans-1,4-Dichloro-2-butene	0.27 µg/L ^{6-a}	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Trichloroethylene (TCE)	μg/L 5 μg/L1	ND ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2000 µg/L ²	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	410 μg/L ⁶	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	10000 µg/L1	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

= Concentration exceeds the specified Threshold Value

Note: Low flow purging and sampling used starting with the June 2005 monitoring round

1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

- 2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

- 2. Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories 3. Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories 4. Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the OSEPA 2018 Edition of the OSEPA 2018 Edition of the Ostepa 2002 USEPA Region 9 PRGs Table 2002 Update 6. Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.
- 7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and trans- isomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above

"____" = One half of the laboratory detection limit "DL" NT = Not Tested due to dry conditions at well.

TABLE 1 BACKGROUND WELL HISTORICAL RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-9 Concentration (Expressed in same units as Threshold Value)

								,					,										
Parameter	Threshold Value	<u>Sep-20</u>	<u>Jun-20</u>	<u>Mar-20</u>	<u>Dec-19</u>	<u>Jun-19</u>	<u>Mar-19</u>	Dec-18	<u>Sep-18</u>	<u>Jun-18</u>	<u>Mar-18</u>	Dec-17	<u>Sep-17</u>	<u>Jun-17</u>	<u>Mar-17</u>	<u>Dec-16</u>	<u>Sep-16</u>	<u>Jun-16</u>	<u>Mar-16</u>	Dec-15	<u>Sep-15</u>	<u>Jun-15</u>	<u>Mar-15</u>
Metals																							
Antimony	0.006 mg/L ¹	NT	ND	ND	ND	ND	0.0001	ND	NT	ND	ND	0.0290	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND
Arsenic	0.010 mg/L1	NT	ND	0.0002	0.0001	ND	0.0001	ND	NT	ND	ND	ND	NT	NT	0.0030	ND	NT	NT	ND	ND	NT	NT	ND
Barium	2 mg/L1	NT	0.005	0.023	0.011	0.0060	0.0060	0.0320	NT	0.0090	0.0130	0.0410	NT	NT	0.0100	0.0060	NT	NT	0.0110	0.0110	NT	NT	0.0070
Beryllium	0.004 mg/L ¹	NT	ND	ND	ND	0.0001	0.0003	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND
Cadmium	0.005 mg/L ¹	NT	0.0002	0.0001	0.0002	0.0001	0.0001	ND	NT	ND	0.0020	0.3650	NT	NT	ND	ND	NT	NT	0.0010	ND	NT	NT	ND
Chromium	0.1 mg/L ¹	NT	0.0017	0.0036	0.002	0.0019	0.0019	0.013	NT	0.003	0.0070	0.0300	NT	NT	0.0040	ND	NT	NT	0.0050	0.0070	NT	NT	0.0060
Cobalt	0.73 mg/L⁵	NT	0.0002	0.0008	0.0004	ND ND	0.0003 ND	0.0030	NT NT	ND	0.0010	0.0020 0.0600	NT	NT	ND ND	ND ND	NT	NT NT	ND	ND	NT NT	NT NT	ND 0.0020
Copper Lead	1.3 mg/L ¹ 0.015 mg/L ¹	NT NT	ND 0.0013	0.001 0.003	ND 0.0031	0.0004	0.0007	0.0080 0.004	NT	ND 0.001	ND 0.0020	0.0800	NT NT	NT NT	0.0020	0.0060	NT NT	NT	0.0020 ND	ND 0.0050	NT	NT	0.0020
Mercury	0.002 mg/L ¹	NT	ND	ND	ND	0.0004 ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND
Nickel	0.1 mg/L ²	NT	ND	0.002	0.001	ND	0.0010	0.006	NT	0.001	0.0040	0.0240	NT	NT	0.0040	ND	NT	NT	0.0030	0.0030	NT	NT	0.0170
Selenium	0.05 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	0.0100	NT	NT	ND	ND	NT	NT	ND
Silver	0.1 mg/L ^{2, 3}	NT	ND	ND	ND	ND	0.0005	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND
Thallium	0.002 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND
Tin	22 mg/L⁵	NT	ND	0.037	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND
Vanadium	0.26 mg/L⁵	NT	ND	0.0011	0.0005	ND	ND	0.0080	NT	ND	0.0020	ND	NT	NT	ND	ND	NT	NT	0.0010	0.0020	NT	NT	ND
Zinc	2 mg/L ^{2·3}	NT	0.002	0.01	0.001	0.0030	0.0030	0.0250	NT	0.0090	0.0190	11.1000	NT	NT	0.0070	ND	NT	NT	0.0100	0.0050	NT	NT	ND
Volatile Organic Compounds																							
1,1,1,2-Tetrachloroethane	70 µg/L²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,1,1-Trichloroethane	200 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,1,2,2-Tetrachloroethane	0.2 µg/L ²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,1,2-Trichloroethane	5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,1-Dichloroethane	5 μg/L ^b	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,1-Dichloroethylene 1,2,3-Trichloropropane	7 μg/L ¹	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND
1,2,3- Inchioropropane 1,2-Dibromo-3-chloropropane	0.03 μg/L ⁷ 0.2 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,2-Dibromoethane	0.05 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,2-Dichlorobenzene	600 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,2-Dichloroethane	5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,2-Dichloropropane	5 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
1,4-Dichlorobenzene	75 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
4-Methyl-2-pentanone	µg/L	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Acetone	610 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Acrylonitrile	0.039 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Benzene	5 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Bromochloromethane	90 µg/L ²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Bromodichloromethane	80 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Bromoform Bromomethane	80 μg/L¹ 10 μg/L²	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND
Carbon disulfide	100 μg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Carbon tetrachloride	5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Chlorobenzene	100 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Chlorodibromomethane	80 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Chloroethane	4.6 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Chloroform	80 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Chloromethane	3 µg/L²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
cis-1,2-Dichloroethylene	70 μg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
cis-1,3-Dichloropropene	0.27 μg/L ^{6, a}	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Dibromomethane	61 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Ethylbenzene	700 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Methyl butyl ketone (2-Hexanone)	160 μg/L⁵ 4000 μg/L⁵	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND
Methyl ethyl ketone (2-Butanone) Methyl iodide	4000 μg/L² μg/L	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	NT	ND ND	NT	NT NT	NT	ND ND	ND ND	NT	NT	ND ND
Methyl tert-butyl ether (MTBE)	μg/∟ 20 - 40 μg/L⁴	NT	ND		ND	ND	ND	ND	NT		ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Methylene chloride	20 - 40 μg/L 5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Styrene	100 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Tetrachloroethylene (PCE)	5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Toluene	1000 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Trans-1,2-Dichloroethylene	100 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
trans-1,3-Dichloropropene	0.27 µg/L ^{6, a}	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
trans-1,4-Dichloro-2-butene	µg/L	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Trichloroethylene (TCE)	5 μg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Trichlorofluoromethane	2000 µg/L²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Vinyl acetate	410 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Vinyl chloride	2 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND
Xylenes	10000 µg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND

= Concentration exceeds the specified Threshold Value

1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories 2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update
 Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.

7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and trans- isomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above " = One half of the laboratory detection limit "DL" NT = Not Tested due to dry conditions at well.

TABLE 1 BACKGROUND WELL HISTORICAL RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-12 Concentration (Expressed in same units as Threshold Value)

												,											
Parameter	Threshold Value	<u>Sep-20</u>	<u>Jun-20</u>	<u>Mar-20</u>	<u>Dec-19</u>	<u>Jun-19</u>	<u>Mar-19</u>	Dec-18	<u>Sep-18</u>	<u>Jun-18</u>	<u>Mar-18</u>	<u>Dec-17</u>	<u>Sep-17</u>	<u>Jun-17</u>	<u>Mar-17</u>	<u>Dec-16</u>	<u>Sep-16</u>	<u>Jun-16</u>	<u>Mar-16</u>	Dec-15	<u>Sep-15</u>	<u>Jun-15</u>	<u>Mar-15</u>
Metals																							
Antimony	0.006 mg/L ¹	0.0002	ND	ND	ND	ND	ND	ND	ND	0.001	ND	0.0210	ND	0.0010	0.0250	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.010 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	0.0050	ND	0.0090	ND	ND	ND	0.0060	ND	ND	ND	ND	ND
Barium	2 mg/L1	0.161	0.024	0.024	0.023	0.024	0.02	0.02	0.023	0.02	0.0170	0.0240	0.0260	0.0240	0.0410	0.0260	0.0670	0.0360	0.0200	0.0260	0.0250	0.0190	0.0600
Beryllium	0.004 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0010	ND	ND	ND	ND	ND
Cadmium	0.005 mg/L ¹	0.0016	0.0018	0.0005	0.0004	0.0004	0.0004	ND	ND	ND	ND	ND	ND	ND	0.0010	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.1 mg/L ¹	0.0005	ND	ND	0.0001	0.0001	ND	ND	0.002	ND	ND	ND	0.0030	0.0010	0.0040	ND	0.0180	0.0130	ND	0.0020	ND	ND	ND
Cobalt	0.73 mg/L⁵	0.0006	0.0012	0.0011	0.001	0.0006	0.0005	ND	0.002	ND	ND	ND	0.0020	ND	0.0020	ND	0.0090	0.0080	ND	ND	ND	ND	ND
Copper	1.3 mg/L ¹	ND	ND	ND	ND	ND	ND	0.009	ND	0.0200	0.0150	ND	0.0330	ND	ND	ND							
Lead Mercury	0.015 mg/L ¹	0.0601	0.0015 ND	0.0004 ND	0.0003 ND	0.0003 ND	ND ND	ND ND	ND NT	ND ND	0.0150 ND	0.0120 ND	ND ND	ND ND	0.0020 ND	ND ND	0.0020 ND						
Nickel	0.002 mg/L ¹	ND 0.001	0.013	0.011	0.010	0.008	0.01	0.024	0.025	0.025	0.0200	0.0170	0.0140	0.0090	0.0140	0.0070	0.0220	0.0130	0.0060	0.0080	0.0040	0.0060	0.0040
Selenium	0.1 mg/L ² 0.05 mg/L ¹	ND	0.013 ND	ND	ND	0.008 ND	ND	0.024 ND	0.025 ND	0.025 ND	0.0200 ND	ND	0.0140 ND	0.0090 ND	0.0140 ND	0.0070 ND	0.0220 ND	0.0130 ND	0.0000	0.0080 ND	0.0040 ND	0.0000 ND	0.0040 ND
Silver	0.03 mg/L ^{2, 3}	0.0009	ND	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0100 ND	ND	ND	ND	ND
Thallium	0.002 mg/L ¹	0.0005	ND	ND	ND	ND	0.003 ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0010	ND	ND
Tin	0.002 mg/L⁵	0.0003 ND	ND	ND	ND	ND	ND	ND	NT	ND	0.0980	ND	0.1800	ND	ND	ND	ND						
Vanadium	0.26 mg/L⁵	ND	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND	0.0030	ND	0.0040	ND	0.0200	0.0200	ND	ND	ND	ND	ND
Zinc	2 mg/L ^{2, 3}	ND	0.001	0.002	ND	0.001	ND	0.007	0.026	0.009	0.0070	0.0060	0.0130	0.0100	0.0220	ND	0.0500	0.0200	ND	ND	0.0050	0.0070	ND
Volatile Organic Compounds	∠ mg/L	ND	0.001	0.002	ND	0.001	ND	0.007	0.020	0.005	0.0070	0.0000	0.0100	0.0100	0.0220	ND	0.0000	0.0420	ND	ND	0.0000	0.0070	
1,1,1,2-Tetrachloroethane	70 µg/L²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.2 μg/L ² 5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5 μg/L ^b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	7 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.03 µg/L ⁷	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.05 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1.2-Dichlorobenzene	600 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1.2-Dichloroethane	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	610 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	0.039 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	90 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	80 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80 µg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	10 µg/L²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5 µg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100 µg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	80 µg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	4.6 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	80 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	3 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	70 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.27 μg/L ^{6, a}	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L⁵ 700 µg/L1	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
Ethylbenzene Methyl butyl ketope (2 Hexanope)	700 µg/L¹ 160 µg/L⁵	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND	ND	ND		ND ND		ND ND	ND ND	ND	ND ND			ND	ND ND	ND ND	ND ND
Methyl butyl ketone (2-Hexanone)	160 µg/L⁵ 4000 µg/L²				ND	ND ND	ND ND		ND	ND ND	ND	ND ND	ND ND	ND ND		ND	ND	ND ND	ND	ND ND	ND ND		
Methyl ethyl ketone (2-Butanone) Methyl iodide	4000 µg/L ²	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Methyl tert-butyl ether (MTBE)	μg/L 20 - 40 μg/L⁴	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Methylene chloride	20 - 40 μg/L ¹ 5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5 μg/L ¹ 100 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	100 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.27 µg/L ^{6, а}	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	0.27 μg/Lord μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	μg/L 5 μg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2000 μg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	2000 μg/L 410 μg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	2 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	2 μg/L 10000 μg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10000 µ4/L											140			140								

= Concentration exceeds the specified Threshold Value

Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update
 Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.

7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and trans-isomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above = One half of the laboratory detection limit "DL"

NT = Not Tested due to dry conditions at well.

TABLE 1 SUMMARY OF GROUNDWATER MONITORING RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-13 Concentration (Expressed in same units as Threshold Value)

Parameter	Threshold Value	<u>Sep-20</u>	<u>Jun-20</u>	<u>Mar-20</u>	<u>Dec-19</u>	<u>Jun-19</u>	<u>Mar-19</u>	Dec-18	<u>Sep-18</u>	<u>Jun-18</u>	<u>Mar-18</u>	Dec-17	<u>Sep-17</u>	<u>Jun-17</u>	<u>Mar-17</u>	<u>Dec-16</u>	<u>Sep-16</u>	<u>Jun-16</u>	<u>Mar-16</u>	Dec-15	<u>Sep-15</u>	<u>Jun-15</u>	<u>Mar-15</u>
Metals		_																					
Antimony	0.006 mg/L ¹	0.0011	0.0003	0.0001	ND	ND	ND	0.002	0.002	0.002	ND	0.0360	ND	0.0020	0.0080	ND	0.0110	ND	ND	ND	ND	ND	ND
Arsenic	0.010 mg/L ¹	0.0052 0.128	0.0057 0.134	0.0065 0.139	0.0104	0.0069 0.096	0.0081 0.118	0.01	0.01 0.089	0.02 0.089	0.0070 0.1150	ND 0.0970	0.0050 0.0460	0.0200	ND 0.1080	ND 0.0990	0.0100	ND 0.0890	0.0190 0.1700	0.0100 0.0910	0.0110 0.0870	0.0070 0.0900	0.0040 0.0890
Barium Beryllium	2 mg/L ¹ 0.004 mg/L ¹	0.126 ND	0.134	0.139 ND	0.122 ND	0.096 ND	ND	0.126 ND	0.089 ND	0.069 ND	0.1150 ND	0.0970 ND	0.0460 ND	0.0660 ND	0.1080 ND	0.0990 ND	0.1630 ND	0.0890 ND	0.1700 ND	0.0910 ND	0.0870 ND	0.0900 ND	0.0690 ND
Cadmium	0.005 mg/L ¹	0.0112	0.0095	0.0005	0.0008	0.0007	0.0004	0.004	0.003	0.004	0.0040	ND	0.0020	0.0030	0.0050	ND	0.0290	ND	0.0050	0.0040	0.0040	ND	ND
Chromium	0.1 mg/L ¹	0.0008	0.001	0.0005	0.0004	0.0007	0.0004	0.002	0.002	0.002	0.0020	0.0010	ND	0.0040	0.0030	ND	0.0330	0.0050	ND	0.0040	ND	ND	ND
Cobalt	0.73 mg/L⁵	0.0045	0.0049	0.0099	0.0105	0.0111	0.0112	0.013	0.01	0.011	0.0130	0.0120	0.0070	0.0120	0.0140	0.0140	0.0280	0.0130	0.0150	0.0130	0.0120	0.0140	0.0160
Copper	1.3 mg/L ¹	0.029	0.018	0.005	0.004	0.003	0.004	ND	ND	ND	ND	ND	ND	0.0100	ND	ND	0.0900	ND	0.0060	ND	0.0020	ND	0.0050
Lead	0.015 mg/L ¹	0.0075	0.0077	0.0016	0.0007	0.0005	0.0008	0.002	ND	ND	0.0020	ND	ND	0.0010	ND	0.0070	0.0350	0.0190	ND	ND	0.0020	0.0030	0.0030
Mercury	0.002 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	NT 0.012	ND	ND	ND 0.0200	ND 0.0060	ND	ND 0.0250	ND	ND 0.0465	ND	ND	ND 0.0120	ND	ND	ND
Nickel Selenium	0.1 mg/L ² 0.05 mg/L ¹	0.006 ND	0.006 ND	0.009 ND	0.01 ND	0.011 ND	0.011 ND	0.014 ND	0.012 ND	0.011 ND	0.0120 ND	0.0290 ND	0.0060 ND	0.0120 ND	0.0350 ND	0.0140 ND	0.0465 ND	0.0130 ND	0.0130 0.0390	0.0120 ND	0.0120 ND	0.0130 ND	0.0130
Silver	0.1 mg/L ^{2, 3}	0.0001	ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0020
Thallium	0.002 mg/L ¹	0.0002	0.0001	ND	ND	ND	ND	ND	ND	ND	0.0003	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tin	22 mg/L⁵	ND	ND	0.009	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	0.2800	0.1100	ND	0.0120	ND	ND	0.0010
Vanadium	0.26 mg/L⁵	0.0009	0.0011	ND	ND	ND	ND	0.008	0.004	ND	ND	0.0020	ND	ND	ND	0.0060	0.0390	0.0030	ND	ND	ND	ND	ND
Zinc	2 mg/L ^{2, 3}	0.013	0.009	0.017	0.009	0.007	0.005	0.019	0.01	0.012	0.0170	0.0070	0.0070	0.0200	0.0170	ND	0.1300	0.0130	0.0060	ND	0.0070	ND	ND
Volatile Organic Compounds		_																					
1,1,1,2-Tetrachloroethane	70 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	200 µg/L ¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1,2,2-Trichloroethane	0.2 μg/L ² 5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5 μg/L ^b	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	7 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.03 µg/L ⁷	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.05 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene 1.2-Dichloroethane	600 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	1.07	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 μg/L¹ 5 μg/L¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,4-Dichlorobenzene	75 μg/L ¹	1	ND	1	1.13	ND	ND	1.31	ND	ND	ND	ND	1.11	ND	ND	ND	ND	ND	ND	ND	1.4	1.2	1.3
4-Methyl-2-pentanone	μg/L	ND	ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	610 µg/L⁵	ND	ND	ND	ND	16.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	0.039 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane Bromodichloromethane	90 µg/L ²	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Bromoform	80 μg/L¹ 80 μg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	10 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100 µg/L¹	5	5	5	5.31	4.1	5.9	6.19	ND	4.72	5.40	ND	5.23	5.03	6.8	ND	5.5	2.5	6.6	7.4	6.3	6.1	7.4
Chlorodibromomethane	80 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane Chloroform	4.6 μg/L⁵ 80 μg/L1	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Chloromethane	80 μg/L¹ 3 μg/L²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	70 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.27 µg/L ^{6, a}	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	700 µg/L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl butyl ketone (2-Hexanone)	160 μg/L⁵ 4000 μg/L3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone (2-Butanone) Methyl iodide	4000 μg/L² μg/L	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Methyl tert-butyl ether (MTBE)	μg/∟ 20 - 40 μg/L⁴	ND	3	4	3.35	3.3	3.4	3.99	ND	3.26	ND	ND	3.70	3.53	6.1	ND	3.6	2.6	ND 4.1	4.9	3.2	5.2	ND 4.5
Methylene chloride	5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	100 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	100 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.27 µg/L ^{6. a}	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene Trichloroethylene (TCE)	μg/L 5 μg/L¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Trichlorofluoromethane	5 μg/L² 2000 μg/L²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	2000 μg/L⁵ 410 μg/L⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	10000 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

= Concentration exceeds the specified Threshold Value

Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
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 Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.
 Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and trans- isomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above ____ = One half of the laboratory detection limit "DL"

NT = Not Tested due to dry conditions at well.

TABLE 1 SUMMARY OF GROUNDWATER MONITORING RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-14 Concentration (Expressed in same units as Threshold Value)

Parameter	Threshold Value	Sep-20	Jun-20	Mar-20	Dec-19	Jun-19	Mar-19	Dec-18	Sep-18	Jun-18	Mar-18	Dec-17	Sep-17	Jun-17	Mar-17	Dec-16	Sep-16	Jun-16	<u>Mar-16</u>	Dec-15	Sep-15	Jun-15	<u>Mar-15</u>
Metals	<u>Intesticia value</u>	<u>3ep-20</u>	<u>Jun-20</u>	<u>IVIAI-20</u>	Dec-19	<u>Jun-19</u>	<u>IVIAI - 19</u>	Dec-10	<u>Sep-16</u>	<u>Jun-10</u>	<u>IVIAI - 10</u>	Dec-17	<u>Sep-17</u>	<u>Jun-17</u>	<u>IVIAI - 17</u>	Dec-10	<u>Sep-10</u>	<u>Jun-10</u>	<u>IVIAI-10</u>	Dec-15	<u>3ep-15</u>	<u>Jun-15</u>	<u>IVIAI - 15</u>
Antimony	0.006 mg/L ¹	NT	0.0002	0.0004	0.0002	0.0001	0.0001	0.005	NT	ND	ND	0.0350	NT	0.0050	0.0410	ND	NT	ND	ND	ND	ND	NT	ND
Arsenic	0.010 mg/L ¹	NT	0.0002	0.0004	0.0002	0.0036	0.0001	0.005 ND	NT	0.01	ND	0.0030	NT	0.0000	0.0410	ND	NT	ND	0.0070	0.0050	0.0050	NT	ND
Barium	2 mg/L ¹	NT	0.217	0.19	0.168	0.199	0.202	0.21	NT	0.155	0.2240	0.1990	NT	0.2400	0.2490	0.2290	NT	0.1380	0.1750	0.1980	0.1140	NT	0.2020
Beryllium	0.004 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	0.0030	ND	ND	NT	0.0010	0.0010	ND	0.0010	NT	ND
Cadmium	0.005 mg/L ¹	NT	ND	ND	0.0002	ND	ND	0.0020	NT	0.006	0.0050	ND	NT	0.0050	0.0060	ND	NT	ND	0.0070	0.0080	0.0060	NT	ND
Chromium	0.1 mg/L ¹	NT	0.0007	0.0005	0.0003	0.0006	0.0007	ND	NT	0.001	0.0060	0.0020	NT	0.0010	0.0020	ND	NT	0.0110	0.0030	0.0030	0.0170	NT	0.0050
Cobalt	0.73 mg/L⁵	NT	0.0022	0.0064	0.0036	0.0058	0.0059	0.011	NT	0.006	0.0140	0.0090	NT	0.0140	0.0130	0.0360	NT	0.0100	0.0100	0.0100	0.0120	NT	0.0170
Copper	1.3 mg/L ¹	NT	0.002	ND	0.002	ND	ND	0.007	NT	ND	0.0090	ND	NT	0.0100	ND	0.0200	NT	0.0010	0.0010	ND	0.0170	NT	0.0100
Lead	0.015 mg/L1	NT	0.004	0.0003	0.0014	0.0002	0.001	ND	NT	ND	0.0060	ND	NT	0.0170	ND	ND	NT	0.0160	0.0070	ND	0.0090	NT	0.0050
Mercury	0.002 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Nickel	0.1 mg/L ²	NT	0.005	0.012	0.007	0.011	0.011	0.019	NT	0.012	0.0220	0.0320	NT	0.0220	0.0470	0.0400	NT	0.0160	0.0160	0.0170	0.0200	NT	0.0270
Selenium	0.05 mg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	0.0350
Silver	0.1 mg/L ^{2, 3}	NT	ND	ND	ND	ND	0.0002	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	0.0040	NT	0.0020
Thallium	0.002 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	0.0003	0.0003	NT	ND	ND	ND	NT	ND	ND	ND	0.0010	NT	ND
Tin	22 mg/L⁵	NT	ND	0.055	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	0.0350	ND	0.0070	0.0010	NT	ND
Vanadium	0.26 mg/L⁵	NT	0.0009	0.0005	ND	0.0006	0.0007	0.004	NT	ND	0.0070	0.0030	NT	0.0070	ND	ND	NT	0.0170	ND	ND	0.0140	NT	0.0080
Zinc	2 mg/L ^{2, 3}	NT	0.002	0.003	0.004	0.005	0.004	0.014	NT	0.031	0.0480	0.0160	NT	0.0600	0.0230	0.0300	NT	0.0280	0.0170	0.0140	0.0680	NT	0.0240
Volatile Organic Compounds																							
1,1,1,2-Tetrachloroethane	70 µg/L²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,1,1-Trichloroethane	200 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,1,2,2-Tetrachloroethane	0.2 µg/L ²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,1,2-Trichloroethane	5 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,1-Dichloroethane	5 µg/Lb	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,1-Dichloroethylene	7 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,2,3-Trichloropropane	0.03 µg/L ⁷	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,2-Dibromo-3-chloropropane	0.2 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,2-Dibromoethane	0.05 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,2-Dichlorobenzene	600 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,2-Dichloroethane	5 µg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,2-Dichloropropane	5 µg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
1,4-Dichlorobenzene	75 μg/L¹	NT	2	2	2.02	2.04	2.1	2.38	NT	2.62	ND	ND	NT	ND	ND	ND	NT	1.8	ND	ND	2.2	NT	3.3
4-Methyl-2-pentanone	µg/L	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Acetone	610 µg/L⁵	NT	ND	6	ND	20.96	ND	ND	NT	ND	ND	ND	NT	ND	6.9	ND	NT	ND	ND	ND	ND	NT	ND
Acrylonitrile	0.039 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Benzene	5 µg/L¹	NT	3	2	1.56	2.24	2.1	2.28	NT	2.77	ND	ND	NT	3.2	4.1	ND	NT	2.7	3.1	3.9	2.0	NT	3.5
Bromochloromethane	90 µg/L²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Bromodichloromethane	80 µg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Bromoform	80 µg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Bromomethane	10 µg/L²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Carbon disulfide	1000 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Carbon tetrachloride	5 µg/L1	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Chlorobenzene	100 µg/L ¹	NT	12	10	8.85	10.74	10.8	11.38	NT	13.3	10.8	ND	NT	13.42	15.6	ND	NT	12.5	13.5	15.4	10.7	NT	16.7
Chlorodibromomethane	80 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Chloroethane	4.6 μg/L⁵	NT	ND	1	ND	ND	ND	ND	NT	ND	ND	ND	NT	2.27	ND	ND	NT	3.3	ND	2.0	1.5	NT	ND
Chloroform	80 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Chloromethane	3 µg/L ²	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND	NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND
cis-1,2-Dichloroethylene	70 μg/L ¹	NT	ND	ND	ND	ND	ND	ND ND	NT NT	ND	ND	ND	NT	ND	ND ND	ND	NT	ND	ND	ND	ND	NT	ND
cis-1,3-Dichloropropene Dibromomethane	0.27 µg/L ^{6. a}	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Ethylbenzene	61 μg/L⁵ 700 μg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Methyl butyl ketone (2-Hexanone)	160 μg/L⁵	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Methyl ethyl ketone (2-Butanone)	4000 µg/L ²	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Methyl iodide		NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
2	μg/L 20 - 40 μg/L⁴	NT	ND 6	6	5.4	5.07	5.0	7.97	NT	6.23	9.4	ND	NT	7.08	16.5	ND	NT	6.7	7.7	12.3	6.9	NT	11.2
Methyl tert-butyl ether (MTBE) Methylene chloride	20-40 μg/L ¹ 5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	0.23 ND	9.4 ND	ND	NT	7.08 ND	ND	ND	NT	ND	ND	12.3 ND	ND	NT	ND
Styrene	100 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Tetrachloroethylene (PCE)	5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Toluene	1000 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Trans-1,2-Dichloroethylene	100 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
trans-1,3-Dichloropropene	0.27 µg/L ^{6, a}	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
trans-1,4-Dichloro-2-butene	0.27 μg/L ^{61 α} μg/L	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Trichloroethylene (TCE)		NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Trichlorofluoromethane	5 µg/L ¹	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	ND ND	NT	ND ND
	2000 µg/L²	NT	ND ND	ND ND	ND ND		ND ND	ND ND		ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND		ND ND	ND ND	NT	ND ND
Vinyl acetate Vinyl chloride	410 μg/L⁵ 2 μg/L¹	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	ND ND	NT	ND ND
Xylenes	2 μg/L¹ 10000 μg/L¹	NT	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND
Луюнса	10000 µg/L	111	שא	UN	שאו	שא	שאו	שאו	IN I	שא	שא		111	שא	שאו	שאו	111	שאו	שא	שא	שאו	INT	

= Concentration exceeds the specified Threshold Value

1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

Threshold value given is the Secondary Dinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Dinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

5. Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update 6. Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.

7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and transisomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above = One half of the laboratory detection limit "DL"

TABLE 1 SUMMARY OF GROUNDWATER MONITORING RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-15 Concentration (Expressed in same units as Threshold Value)

Parameter	Threshold Value	Sep-20	Jun-20	<u>Mar-20</u>	Dec-19	<u>Jun-19</u>	Mar-19	Dec-18	Sep-18	<u>Jun-18</u>	Mar-18	Dec-17	Sep-17	Jun-17	<u>Mar-17</u>	Dec-16	Sep-16	Jun-16	<u>Mar-16</u>	Dec-15	Sep-15	<u>Jun-15</u>	<u>Mar-15</u>
Metals	Threehold Value	<u>00p-20</u>	<u>5011-20</u>	10101-20	<u>DCC-15</u>	<u>5011-15</u>	11101-10	<u>DCC-10</u>	000-10	<u>5011-10</u>	1110	<u>Dcc-11</u>	<u>00p-11</u>	<u>5011-17</u>	<u>iviai-11</u>	<u>DCC-10</u>	<u>00p-10</u>	<u>5011-10</u>	11121-10	000-10	<u>ocp-10</u>	<u>5011-15</u>	10121-10
Antimony	0.006 mg/L ¹	NT	ND	0.0001	ND	ND	ND	0.0040	0.0040	ND	ND	0.0300	ND	0.0020	0.0340	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.010 mg/L ¹	NT	0.0283	0.0066	0.0150	0.0205	0.0352	0.0200	0.0300	0.0300	0.0200	0.0200	0.0300	0.0300	ND	ND	0.0700	0.0130	0.0320	0.0170	ND	ND	0.0160
Barium	2 mg/L ¹	NT	0.093	0.191	0.151	0.148	0.158	0.2120	0.0840	0.0960	0.1280	0.1240	0.0850	0.0890	0.1230	0.1560	0.3100	0.0600	0.1130	0.1840	0.1390	0.2230	0.1260
Beryllium	0.004 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0060	ND	ND	ND	ND	ND	ND
Cadmium	0.005 mg/L ¹	NT	ND	ND	ND	ND	ND	0.0080	0.0070	0.0100	0.0090	ND	0.0100	0.0050	0.0100	0.0050	0.0460	ND	0.0100	0.0080	0.0070	ND	ND
Chromium	0.1 mg/L ¹	NT	0.0005	0.0009	0.0010	0.0009	0.0007	ND	ND	ND	ND	ND	0.0030	ND	0.0020	ND	0.1180	0.0020	0.0010	0.0050	0.0020	0.0010	ND
Cobalt	0.73 mg/L⁵	NT	0.0152	0.0035	0.0066	0.0124	0.0126	0.0080	0.0140	0.0120	0.0100	0.0090	0.0180	0.0130	0.0040	ND	0.2300	0.0080	0.0180	0.0070	0.0040	0.0020	0.0120
Copper	1.3 mg/L ¹	NT	ND	ND	0.0030	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1400	ND	ND	ND	ND	ND	0.0020
Lead	0.015 mg/L1	NT	0.0009	0.0003	0.0003	0.0003	0.0003	0.0030	0.0020	ND	0.0020	ND	ND	0.0020	ND	0.0050	0.1350	0.0140	ND	ND	ND	0.0040	0.0020
Mercury	0.002 mg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	0.1 mg/L ²	NT	0.032	0.012	0.016	0.025	0.025	0.0170	0.0290	0.0230	0.0200	0.0510	0.0350	0.0240	0.0520	0.0110	0.6610	0.0140	0.0290	0.0170	0.0100	0.0110	0.0180
Selenium	0.05 mg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0220
Silver	0.1 mg/L ^{2, 3}	NT	ND	ND	ND	ND	0.0001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0030
Thallium	0.002 mg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0020	ND	ND	ND	ND	ND	ND	ND	ND
Tin	22 mg/L⁵	NT	ND	0.0150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0600	ND	ND	0.0470	ND	ND	ND
Vanadium	0.26 mg/L⁵	NT	0.0007	0.0006	0.0006	0.0007	0.0010	0.0150	0.0110	ND	0.0060	0.0040	0.0110	ND	ND	0.0150	0.1560	0.0050	ND	ND	0.0020	ND	0.0040
Zinc	2 mg/L ^{2·3}	NT	0.0050	0.0030	0.0100	0.0040	0.0030	0.0150	0.0150	0.0320	0.0210	0.0100	0.0300	0.0200	0.0140	ND	0.9700	ND	0.0120	0.0150	0.0080	ND	ND
Volatile Organic Compounds																							
1,1,1,2-Tetrachloroethane	70 µg/L²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 µg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.2 µg/L ²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5 µg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	7 μg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.03 µg/L ⁷	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.05 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5 µg/L ¹	NT	ND ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane 1,4-Dichlorobenzene	5 µg/L ¹	NT NT	ND ND	ND 2	ND 2.69	ND 2.64	ND 2.1	ND 3.06	ND ND	ND ND	ND ND	ND ND	ND 2.51	ND ND	ND 1.6	ND ND	ND ND	ND 2.1	ND ND	ND ND	ND 3.4	ND 2.9	ND 3.0
4-Methyl-2-pentanone	75 μg/L¹ μg/L	NT	ND	ND	2.09 ND	2.04 ND	ND	3.00 ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	μg/∟ 610 μg/L⁵	NT	ND	ND	ND	19.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	6.7	ND	ND	ND
Acrylonitrile	0.039 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5 μg/L ¹	NT	3	1	1.9	1.94	1.5	1.76	ND	1.67	ND	ND	3.59	2.83	ND	ND	3.4	3.2	2.1	3.2	1.7	2.0	2.8
Bromochloromethane	90 μg/L ²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	80 µg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80 µg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	10 µg/L ²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5 µg/L1	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100 µg/L¹	NT	16	15	16.99	14.4	13.2	15.49	14.0	12.72	17	15.2	18.19	21.26	17.4	21.5	16.0	16.8	17.7	18.3	21.0	21.1	19.7
Chlorodibromomethane	80 μg/L¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	4.6 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	1.9	ND	ND	ND
Chloroform	80 μg/L¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	3 µg/L ²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	70 µg/L¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.27 μg/L ^{6, a}	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L⁵	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene Mathyl hytri katana (2 Havanana)	700 µg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl butyl ketone (2-Hexanone)	160 µg/L⁵ 1000 µg/L3	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone (2-Butanone)	4000 µg/L ²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl iodide	µg/L 20 - 40 µg/L⁴	NT NT	ND 6	ND 6	ND	ND	ND 7.5	ND 2.60	ND 7.0	ND	ND ND	ND	ND	ND	ND 8.5	ND ND	ND 7.9	ND 7.9	ND	ND 7.8	ND 67	ND	ND 7.1
Methyl tert-butyl ether (MTBE) Methylene chloride		NT	6 ND	6 ND	3.67 ND	9.38	7.5 ND	3.69	7.0 ND	6.61 ND	ND ND	6.3 ND	7.52	7.69 ND		ND ND	7.9 ND	7.9 ND	6.8 ND	7.8 ND	6.7 ND	12.2 ND	7.1 ND
Styrene	5 μg/L¹ 100 μg/L¹	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Tetrachloroethylene (PCE)	5 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5 μg/L ¹ 1000 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	1000 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.27 μg/L ^{s, a}	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	0.27 μg/L ^{o, a} μg/L	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	μg/L 5 μg/L¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2000 µg/L ²	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	2000 μg/L⁵ 410 μg/L⁵	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2 μg/L ¹	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	- M9/-	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

= Concentration exceeds the specified Threshold Value

1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories 2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

Threshold value given is the lifetime mean advisory as provided in the USEPA 2018 Edition of the Dinking Water Standards and Health Advisories
 Threshold value given is the Dinking Water Advisory as provided in the USEPA 2018 Edition of the Dinking Water Standards and Health Advisories
 Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update
 Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.

7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and transisomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above = One half of the laboratory detection limit "DL"

NT = Not Tested due to dry conditions at well.

TABLE 1 SUMMARY OF GROUNDWATER MONITORING RESULTS CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-16

Concentration (Expressed in same units as Threshold Value)

Parameter	Threshold Value	<u>Sep-20</u>	<u>Jun-20</u>	<u>Mar-20</u>	<u>Dec-19</u>	<u>Jun-19</u>	<u>Mar-19</u>	<u>Dec-18</u>	<u>Sep-18</u>	<u>Jun-18</u>	<u>Mar-18</u>	<u>Nov-17</u>
Metals												
Antimony	0.006 mg/L ¹	0.0003	0.0002	ND	NT	ND	ND	ND	ND	0.002	ND	ND
Arsenic	0.010 mg/L ¹	ND	0.0001	ND	NT	ND	ND	ND	ND	0.01	ND	ND
Barium	2 mg/L1	0.021	0.006	0.009	NT	0.008	0.014	0.017	0.027	0.011	0.0190	0.1000
Beryllium	0.004 mg/L ¹	ND	ND	ND	NT	0.0002	0.0001	ND	ND	ND	ND	ND
Cadmium	0.005 mg/L ¹	0.0003	ND	0.0002	NT	0.0002	0.0003	ND	ND	ND	ND	ND
Chromium	0.1 mg/L ¹	0.0004	0.0003	ND	NT	ND	ND	0.003	0.003	0.004	0.0060	0.0050
Cobalt	0.73 mg/L⁵	0.0005	0.0006	0.0007	NT	0.0009	0.0008	0.006	0.004	0.002	0.0050	0.0050
Copper	1.3 mg/L ¹	0.001	ND	ND	NT	ND						
Lead	0.015 mg/L¹ 0.002 mg/L¹	0.0007 ND	0.0008 ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND NT	ND ND	ND ND	ND ND
Mercury Nickel	0.002 mg/L ²	0.001	0.002	0.002	NT	0.002	0.002	0.013	0.01	0.009	0.0100	0.0100
Selenium	0.05 mg/L ¹	ND	0.002 ND	0.002 ND	NT	0.002 ND	0.002 ND	0.009	0.003	0.009 ND	0.0100	0.0100
Silver	0.1 mg/L ^{2, 3}	ND	0.0001	ND	NT	ND	0.0001	ND	ND	ND	ND	0.0000 ND
Thallium	0.002 mg/L ¹	ND	ND	ND	NT	ND	ND	ND	ND	ND	0.0003	ND
Tin	22 mg/L⁵	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND
Vanadium	0.26 mg/L⁵	ND	ND	ND	NT	ND						
Zinc	2 mg/L ^{2, 3}	0.004	0.002	0.003	NT	0.004	0.004	0.025	0.019	0.022	0.024	0.0210
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	70 µg/L²	ND	ND	ND	NT	ND						
1,1,1-Trichloroethane	200 µg/L1	ND	ND	ND	NT	ND						
1,1,2,2-Tetrachloroethane	0.2 µg/L²	ND	ND	ND	NT	ND						
1,1,2-Trichloroethane	5 µg/L¹	ND	ND	ND	NT	ND						
1,1-Dichloroethane	5 µg/L⁵	ND	ND	ND	NT	ND						
1,1-Dichloroethylene	7 μg/L¹	ND	ND	ND	NT	ND						
1,2,3-Trichloropropane	0.03 µg/L ⁷	ND	ND	ND	NT	ND						
1,2-Dibromo-3-chloropropane	0.2 µg/L ¹	ND	ND	ND	NT	ND						
1,2-Dibromoethane	0.05 µg/L ¹	ND	ND	ND	NT	ND						
1,2-Dichlorobenzene	600 μg/L ¹	ND ND	ND ND	ND ND	NT NT	ND ND						
1,2-Dichloroethane 1,2-Dichloropropane	5 μg/L¹ 5 μg/L¹	ND	ND	ND	NT	ND						
1,4-Dichlorobenzene	75 μg/L¹	ND	ND	ND	NT	ND						
4-Methyl-2-pentanone	μg/L	ND	ND	ND	NT	ND						
Acetone	610 μg/L⁵	ND	ND	ND	NT	ND						
Acrylonitrile	0.039 µg/L⁵	ND	ND	ND	NT	ND						
Benzene	5 µg/L¹	ND	ND	ND	NT	ND						
Bromochloromethane	90 µg/L ²	ND	ND	ND	NT	ND						
Bromodichloromethane	80 μg/L¹	ND	ND	ND	NT	ND						
Bromoform	80 μg/L¹	ND	ND	ND	NT	ND						
Bromomethane	10 µg/L ²	ND	ND	ND	NT	ND						
Carbon disulfide	1000 µg/L⁵	ND	ND	ND	NT	ND						
Carbon tetrachloride	5 μg/L¹	ND	ND	ND	NT	ND						
Chlorobenzene	100 μg/L ¹	ND	ND	ND	NT	ND						
Chlorodibromomethane Chloroethane	80 μg/L¹ 4.6 μg/L⁵	ND ND	ND ND	ND ND	NT NT	ND ND						
Chloroform	4.6 μg/L⁵ 80 μg/L¹	ND	ND	ND	NT	ND						
Chloromethane	3 μg/L²	ND	ND	ND	NT	ND						
cis-1,2-Dichloroethylene	70 μg/L¹	ND	ND	ND	NT	ND						
cis-1,3-Dichloropropene	0.27 μg/L ^{6, a}	ND	ND	ND	NT	ND						
Dibromomethane	61 µg/L⁵	ND	ND	ND	NT	ND						
Ethylbenzene	700 µg/L¹	ND	ND	ND	NT	ND						
Methyl butyl ketone (2-Hexanone)	160 µg/L⁵	ND	ND	ND	NT	ND						
Methyl ethyl ketone (2-Butanone)	4000 µg/L²	ND	ND	ND	NT	ND						
Methyl iodide	µg/L	ND	ND	ND	NT	ND						
Methyl tert-butyl ether (MTBE)	20 - 40 µg/L⁴	ND	1	ND	NT	4.9	4.67	3.77	3.42	6.53	7.8	4.6
Methylene chloride	5 µg/L ¹	ND	ND	ND	NT	ND						
Styrene	100 µg/L ¹	ND	ND	ND	NT	ND						
Tetrachloroethylene (PCE)	5 μg/L ¹	ND	ND	ND	NT	ND						
Toluene	1000 µg/L ¹	ND	ND	ND	NT	ND	ND	ND	ND		ND	
Trans-1,2-Dichloroethylene	100 μg/L ¹	ND ND	ND ND	ND	NT NT		ND ND	ND	ND ND	ND ND	ND ND	
trans-1,3-Dichloropropene trans-1,4-Dichloro-2-butene	0.27 μg/L ^{6, a}	ND ND	ND ND	ND ND	NT	ND ND						
Trichloroethylene (TCE)	μg/L 5 μg/L¹	ND	ND ND	ND ND	NT	ND ND	ND ND	ND	ND	ND	ND ND	ND
Trichlorofluoromethane	5 μg/L² 2000 μg/L²	ND	ND	ND	NT	ND						
Vinyl acetate	2000 μg/L 410 μg/L⁵	ND	ND	ND	NT	ND						
Vinyl chloride	2 μg/L ¹	ND	ND	ND	NT	ND						
Xylenes	10000 μg/L¹	ND	ND	ND	NT	ND						

= Concentration exceeds the specified Threshold Value

- 1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
- 2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
- 3. Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
- 4. Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories
- 5. Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update
- 6. Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.
- 7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3-dichloropropylene was used as the threshold value for the cis- and trans- isomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes.

No threshold value has been provided for parameters not identified in the sources listed above

- " = One half of the laboratory detection limit "DL"
- NT = Not Tested due to dry conditions at well.

TABLE 1

SUMMARY OF GROUNDWATER MONITORING RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING **MONITORING WELL OW-17**

Concentration (expressed in same units as Threshold Value)

Parameter_	Threshold Value	Sep-20	<u>Jun-20</u>	<u>Mar-20</u>
Metals				
Antimony	0.006 mg/L ¹	0.0002	0.0001	0.0001
Arsenic	0.010 mg/L ¹	0.0002	0.0002	0.0002
Barium	2 mg/L ¹	0.021	0.016	0.018
Beryllium	0.004 mg/L ¹	ND	ND	ND
Cadmium	0.005 mg/L ¹	ND	ND	ND
Chromium	0.1 mg/L ¹	0.0005	0.0006	0.0006
Cobalt	0.73 mg/L⁵	0.0005	0.0005	0.0005
Copper	1.3 mg/L ¹	ND	ND	ND
Lead	0.015 mg/L ¹	0.0072	0.0052	0.0024
Mercury	0.002 mg/L ¹	ND	ND	ND
Nickel	0.1 mg/L ²	ND	0.001	0.001
Selenium	0.05 mg/L ¹	ND	ND	ND
Silver	0.1 mg/L ^{2, 3}	ND	ND	ND
Thallium	0.002 mg/L ¹	ND	ND	ND
Tin	0.002 mg/L⁵	ND	ND	0.007
Vanadium	0.26 mg/L⁵	0.0006	0.0007	0.0007
Zinc				
Ellie	2 mg/L ^{2, 3}	0.005	0.005	0.008
Volatile Organic Compounds	70	ND	ND	ND
1,1,1,2-Tetrachloroethane	70 μg/L ²	ND	ND	ND
1,1,1-Trichloroethane	200 µg/L ¹	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.2 µg/L ²	ND	ND	ND
1,1,2-Trichloroethane	5 µg/L1	ND	ND	ND
1,1-Dichloroethane	5 µg/L ^b	ND	ND	ND
1,1-Dichloroethylene	7 μg/L ¹	ND	ND	ND
1,2,3-Trichloropropane	0.03 µg/L ⁷	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2 µg/L ¹	ND	ND	ND
1,2-Dibromoethane	0.05 µg/L1	ND	ND	ND
1,2-Dichlorobenzene	600 µg/L1	ND	ND	ND
1,2-Dichloroethane	5 µg/L¹	ND	ND	ND
1,2-Dichloropropane	5 µg/L¹	ND	ND	ND
1,4-Dichlorobenzene	75 μg/L ¹	ND	ND	ND
4-Methyl-2-pentanone	µg/L	ND	ND	ND
Acetone	610 µg/L⁵	ND	ND	ND
Acrylonitrile	0.039 µg/L⁵	ND	ND	ND
Benzene	5 µg/L¹	ND	ND	ND
Bromochloromethane	90 µg/L ²	ND	ND	ND
Bromodichloromethane	80 µg/L¹	ND	ND	ND
Bromoform	80 µg/L¹	ND	ND	ND
Bromomethane	10 µg/L ²	ND	ND	ND
Carbon disulfide	1000 µg/L⁵	ND	ND	ND
Carbon tetrachloride	5 µg/L1	ND	ND	ND
Chlorobenzene	100 µg/L1	ND	ND	ND
Chlorodibromomethane	80 µg/L1	ND	ND	ND
Chloroethane	4.6 μg/L⁵	ND	ND	ND
Chloroform	80 µg/L ¹	ND	ND	ND
Chloromethane	3 µg/L²	ND	ND	ND
cis-1,2-Dichloroethylene	70 μg/L ¹	ND	ND	ND
cis-1,3-Dichloropropene	0.27 µg/L ^{6, а}	ND	ND	ND
Dibromomethane	61 μg/L⁵	ND	ND	ND
Ethylbenzene	700 μg/L ¹	ND	ND	ND
Methyl butyl ketone (2-Hexanone)	700 μg/L⁵ 160 μg/L⁵	ND	ND	ND
		ND	ND	ND
Methyl ethyl ketone (2-Butanone)	4000 µg/L ²	ND	ND	ND
Methyl iodide	μg/L			
Methyl tert-butyl ether (MTBE)	20 - 40 μg/L ⁴	ND	ND	ND
Methylene chloride	5 µg/L ¹	ND	ND	ND
Styrene	100 µg/L ¹	ND	ND	ND
Tetrachloroethylene (PCE)	5 µg/L1	ND	ND	ND
Toluene	1000 µg/L1	ND	ND	ND
Trans-1,2-Dichloroethylene	100 µg/L ¹	ND	ND	ND
trans-1,3-Dichloropropene	0.27 µg/L ^{6 a}	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/L	ND	ND	ND
Trichloroethylene (TCE)	5 µg/L1	ND	ND	ND
Trichlorofluoromethane	2000 µg/L²	ND	ND	ND
Vinyl acetate	410 µg/L⁵	ND	ND	ND
Vinyl chloride	2 µg/L1	ND	ND	ND
	10000 µg/L¹	ND	ND	ND

= Concentration exceeds the specified Threshold Value

1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

3. Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

4. Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories 5. Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update

6. Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.

7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

a. The Threshold value given for these compounds is the threshold value for a mixture of isomers. For example, cis- and trans-1,3-dichloropropylene were not identified as having individual threshold values, however 1,3-dichloropropylene was identified as having a numerical value under the National Recommended Water Quality Criteria for Human Health for consumption of water and organisms. As such, the value for total 1,3dichloropropylene was used as the threshold value for the cis- and trans- isomers. The total of the two (2) isomers should not exceed this value even if each individual isomer is present at a concentration below the provided threshold value.

b. No threshold value was identified for 1,1-dichloroethane, however due to the molecular similarities between this compounds and 1,2-dichloroethane, the threshold value for 1,2-dichloroethane is used for reference purposes

No threshold value has been provided for parameters not identified in the sources listed above

" = One half of the laboratory detection limit "DL"

NT = Not Tested due to dry conditions at well.

TABLE 2

Tolerance Intervals for September 2020 Monitoring Period

TABLE 2 SUMMARY OF GROUNDWATER MONITORING RESULTS - TOLERANCE INTERVAL COMPARISON

SEP 2020 - SAMPLE ROUND

	OW	-9	OW-	12	Average of O	W-9 & OW-12		Bac	kground V	Vells		Con	npliance V	/ells	
	Tolerance	e Limit *	Tolerance	Eimit *	Toleran	ce Limit *	Threshold	Sep	otember, 2	020		Sep	otember, 2	020	
Parameter	TL=AVG	6+K*S	TL=AVG	<u>6+K*S</u>	TL=A\	/G+K*S	<u>Value</u>	OW-9	OW-12	OW-17	OW-7	OW-13	OW-14	OW-15	OW-16
METALS Antimony	0.0741	mg/L	0.0503	mg/L	0.0622	mg/L	0.006 mg/L ¹	NT	0.0002	0.0002	0.0002	0.0011	NT	NT	0.0003
Arsenic	0.0042	mg/L	0.0260	mg/L	0.0151	mg/L	0.010 mg/L ¹	NT	ND	0.0002	ND	0.0052	NT	NT	ND
Barium	0.0486	mg/L	0.0938	mg/L	0.0712	mg/L	2 mg/L1	NT	0.161	0.021	0.09	0.128	NT	NT	0.021
Beryllium	0.0008	mg/L	0.0010	mg/L	0.0009	mg/L	0.004 mg/L ¹	NT	ND	ND	ND	ND	NT	NT	ND
Cadmium	0.2342	mg/L	0.0029	mg/L	0.1185	mg/L	0.005 mg/L ¹	NT	0.0016	ND	0.0034	0.0112	NT	NT	0.0003
Chromium	0.0250	mg/L	0.0193	mg/L	0.0222	mg/L	0.1 mg/L ¹	NT	0.0005	0.0005	0.0016	0.0008	NT	NT	0.0004
Cobalt	0.0043	mg/L	0.0106	mg/L	0.0074	mg/L	0.73 mg/L⁵	NT	0.0006	0.0005	0.0018	0.0045	NT	NT	0.0005
Copper	0.0683	mg/L	0.0706	mg/L	0.0694	mg/L	1.3 mg/L ¹	NT	ND	ND	0.004	0.029	NT	NT	0.001
Lead	0.0782	mg/L	0.0173	mg/L	0.0477	mg/L	0.015 mg/L ¹	NT	0.0601	0.0072	0.0209	0.0075	NT	NT	0.0007
Mercury	0.0001	mg/L	0.0001	mg/L	0.0001	mg/L	0.002 mg/L ¹	NT	ND	ND	ND	ND	NT	NT	ND
Nickel	0.0234	mg/L	0.0434	mg/L	0.0334	mg/L	0.1 mg/L ²	NT	0.001	ND	0.003	0.006	NT	NT	0.001
Selenium	0.0100	mg/L	0.0100	mg/L	0.0100	mg/L	0.05 mg/L ¹	NT	ND	ND	ND	ND	NT	NT	ND
Silver	0.0005	mg/L	0.0030	mg/L	0.0018	mg/L	0.1 mg/L ^{2, 3}	NT	0.0009	ND	0.0001	0.0001	NT	NT	ND
Thallium	0.0001	mg/L	0.0010	mg/L	0.0005	mg/L	0.002 mg/L ¹	NT	0.0005	ND	0.0002	0.0002	NT	NT	ND
Tin	0.0370	mg/L	0.5173	mg/L	0.2771	mg/L	22 mg/L⁵	NT	ND	ND	ND	ND	NT	NT	ND
Vanadium	0.0099	mg/L	0.0386	mg/L	0.0243	mg/L	0.26 mg/L⁵	NT	ND	0.0006	0.001	0.0009	NT	NT	ND
Zinc	4.7435	mg/L	0.0512	mg/L	2.3973	mg/L	2 mg/L ^{2, 3}	NT	ND	0.005	0.004	0.013	NT	NT	0.004

Concentration (units as specified for Threshold Value)

= Concentration exceeds the Site-specific background Tolerance Limit

= Concentration exceeds the applicable Threshold Value

= Concentration exceeds both the applicable Threshold Value and the Site-specific background Tolerance Limit

1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

2. Threshold value given is the lifetime health advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

3. Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

4. Threshold value given is the Drinking Water Advisory as provided in the USEPA 2018 Edition of the Drinking Water Standards and Health Advisories

5. Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update

6. Threshold value given is derived from the EPA's National Recommended Water Quality Criteria for Human Health for the consumption of water and organisms, amended 2015.

7. Threshold value given is derived from the EPA's Unregulated Contaminant Monitoring Rule's minimum reporting levels.

No threshold value has been provided for parameters not identified in the sources listed above

"____" = One half of the laboratory detection limit "DL"

NT = Not Tested due to dry conditions at well.

ATTACHMENT 1

Laboratory Analytical Report, Observation Well Sampling



REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 0J01021 Client Project: 94139 - Tiverton Landfill

Report Date: 08-October-2020

Prepared for:

Travis Johnson Pare Corporation 8 Blackstone Valley Place Lincoln, RI 02865

Richard Warila, Laboratory Director New England Testing Laboratory, Inc. 59 Greenhill Street West Warwick, RI 02893 rich.warila@newenglandtesting.com

Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 10/01/20. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 0J01021. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
0J01021-01	OW-7	Water	09/28/2020	10/01/2020
0J01021-02	OW-12	Water	09/28/2020	10/01/2020
0J01021-03	OW-13	Water	09/28/2020	10/01/2020
0J01021-04	OW-16	Water	09/28/2020	10/01/2020
0J01021-05	OW-17	Water	09/28/2020	10/01/2020

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

OW-12 (Lab Number: 0J01021-02)

Analysis	Method
Antimony	EPA 200.8
Appendix A Volatile Organics	EPA 8260C
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 7470A
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Zinc	EPA 200.8
OW-13 (Lab Number: 0J01021-03)	
	Method
Analysis	<u>Method</u>
Analysis Antimony	EPA 200.8
Analysis Antimony Appendix A Volatile Organics	EPA 200.8 EPA 8260C
Analysis Antimony Appendix A Volatile Organics Arsenic	EPA 200.8 EPA 8260C EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium	EPA 200.8 EPA 8260C EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium	EPA 200.8 EPA 8260C EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium	EPA 200.8 EPA 8260C EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Chromium	EPA 200.8 EPA 8260C EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Chromium Cobalt	EPA 200.8 EPA 8260C EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper	EPA 200.8 EPA 8260C EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead	EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury	EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury Nickel	EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury Nickel Selenium	EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Chromium Chromium Cobalt Copper Lead Mercury Nickel Selenium Silver	EPA 200.8 EPA 7470A EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury Nickel Selenium Silver Thallium	EPA 200.8 EPA 7470A EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury Nickel Selenium Silver Thallium	EPA 200.8 EPA 7470A EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury Nickel Selenium Silver Thallium Tin	EPA 200.8 EPA 200.8
Analysis Antimony Appendix A Volatile Organics Arsenic Barium Beryllium Cadmium Cadmium Chromium Cobalt Copper Lead Mercury Nickel Selenium Silver Thallium	EPA 200.8 EPA 7470A EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8 EPA 200.8

OW-16 (Lab Number: 0J01021-04)

Analysis Method EPA 200.8 Antimony Appendix A Volatile Organics EPA 8260C Arsenic EPA 200.8 Barium EPA 200.8 Beryllium EPA 200.8 Cadmium EPA 200.8 EPA 200.8 Chromium

Request for Analysis (continued)

OW-16 (Lab Number: 0J01021-04) (continued)

<u>Analysis</u>	Method
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 7470A
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Zinc	EPA 200.8

OW-17 (Lab Number: 0J01021-05)

Analysis Method Antimony EPA 200.8 Appendix A Volatile Organics EPA 8260C EPA 200.8 Arsenic Barium EPA 200.8 Beryllium EPA 200.8 Cadmium EPA 200.8 Chromium EPA 200.8 Cobalt EPA 200.8 EPA 200.8 Copper Lead EPA 200.8 Mercury EPA 7470A Nickel EPA 200.8 Selenium EPA 200.8 Silver EPA 200.8 Thallium EPA 200.8 Tin EPA 200.8 Vanadium EPA 200.8 Zinc EPA 200.8

OW-7 (Lab Number: 0J01021-01)

Analysis	Method
Antimony	EPA 200.8
Appendix A Volatile Organics	EPA 8260C
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 7470A
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Zinc	EPA 200.8

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Method References

Methods for the Determination of Metals in Environmental Samples EPA-600/R-94/111, USEPA, 1994 Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA

Case Narrative

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria. Those compounds whose names include "TIC" were qualitatively screened via reconstructed ion chromatography and no detections were identified to the listed PQLs.

Sample: OW-7 Lab Number: 0J01021-01 (Water)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Antimony	0.0002		0.0001	mg/L	10/02/20	10/02/20
Arsenic	ND		0.0001	mg/L	10/02/20	10/02/20
Barium	0.090		0.001	mg/l	10/02/20	10/02/20
Beryllium	ND		0.0001	mg/L	10/02/20	10/02/20
Cadmium	0.0034		0.0001	mg/L	10/02/20	10/02/20
Chromium	0.0016		0.0001	mg/L	10/02/20	10/02/20
Cobalt	0.0018		0.0001	mg/L	10/02/20	10/02/20
Copper	0.004		0.001	mg/l	10/02/20	10/02/20
Mercury	ND		0.0002	mg/L	10/03/20	10/03/20
Nickel	0.003		0.001	mg/l	10/02/20	10/02/20
Selenium	ND		0.005	mg/L	10/02/20	10/02/20
Silver	0.0001		0.0001	mg/L	10/02/20	10/02/20
Thallium	0.0002		0.0001	mg/L	10/02/20	10/02/20
Tin	ND		0.005	mg/l	10/02/20	10/02/20
Vanadium	0.0010		0.0005	mg/L	10/02/20	10/02/20
Zinc	0.004		0.001	mg/l	10/02/20	10/02/20
Lead	0.0209		0.0001	mg/L	10/02/20	10/02/20

Sample: OW-12 Lab Number: 0J01021-02 (Water)

		Reporting			
Analyte	Result	Qual Limit	Units	Date Prepared	Date Analyzed
Antimony	0.0002	0.0001	mg/L	10/02/20	10/02/20
Arsenic	ND	0.0001	mg/L	10/02/20	10/02/20
Barium	0.161	0.001	mg/l	10/02/20	10/02/20
Beryllium	ND	0.0001	mg/L	10/02/20	10/02/20
Cadmium	0.0016	0.0001	mg/L	10/02/20	10/02/20
Chromium	0.0005	0.0001	mg/L	10/02/20	10/02/20
Cobalt	0.0006	0.0001	mg/L	10/02/20	10/02/20
Copper	ND	0.001	mg/l	10/02/20	10/02/20
Mercury	ND	0.0002	mg/L	10/03/20	10/03/20
Nickel	0.001	0.001	mg/l	10/02/20	10/02/20
Selenium	ND	0.005	mg/L	10/02/20	10/02/20
Silver	0.0009	0.0001	mg/L	10/02/20	10/02/20
Thallium	0.0005	0.0001	mg/L	10/02/20	10/02/20
Tin	ND	0.005	mg/l	10/02/20	10/02/20
Vanadium	ND	0.0005	mg/L	10/02/20	10/02/20
Zinc	ND	0.001	mg/l	10/02/20	10/02/20
Lead	0.0601	0.0001	mg/L	10/02/20	10/02/20

Sample: OW-13 Lab Number: 0J01021-03 (Water)

		Re	porting			
Analyte	Result		Limit	Units	Date Prepared	Date Analyzed
Antimony	0.0011	0	.0001	mg/L	10/02/20	10/02/20
Arsenic	0.0052	0	.0001	mg/L	10/02/20	10/02/20
Barium	0.128	(0.001	mg/l	10/02/20	10/02/20
Beryllium	ND	0	.0001	mg/L	10/02/20	10/02/20
Cadmium	0.0112	0	.0001	mg/L	10/02/20	10/02/20
Chromium	0.0008	۵	.0001	mg/L	10/02/20	10/02/20
Cobalt	0.0045	0	.0001	mg/L	10/02/20	10/02/20
Copper	0.029	(0.001	mg/l	10/02/20	10/02/20
Mercury	ND	0	.0002	mg/L	10/03/20	10/03/20
Nickel	0.006	(0.001	mg/l	10/02/20	10/02/20
Selenium	ND	(0.005	mg/L	10/02/20	10/02/20
Silver	0.0001	۵	.0001	mg/L	10/02/20	10/02/20
Thallium	0.0002	۵	.0001	mg/L	10/02/20	10/02/20
Tin	ND	(0.005	mg/l	10/02/20	10/02/20
Vanadium	0.0009	0	.0005	mg/L	10/02/20	10/02/20
Zinc	0.013	(0.001	mg/l	10/02/20	10/02/20
Lead	0.0075	0	.0001	mg/L	10/02/20	10/02/20

Sample: OW-16 Lab Number: 0J01021-04 (Water)

Reporting							
Analyte	Result	Qual Limi	t Units	Date Prepared	Date Analyzed		
Antimony	0.0003	0.000	1 mg/L	10/02/20	10/02/20		
Arsenic	ND	0.000	1 mg/L	10/02/20	10/02/20		
Barium	0.021	0.001	. mg/l	10/02/20	10/02/20		
Beryllium	ND	0.000	1 mg/L	10/02/20	10/02/20		
Cadmium	0.0003	0.000	1 mg/L	10/02/20	10/02/20		
Chromium	0.0004	0.000	1 mg/L	10/02/20	10/02/20		
Cobalt	0.0005	0.000	1 mg/L	10/02/20	10/02/20		
Copper	0.001	0.001	. mg/l	10/02/20	10/02/20		
Mercury	ND	0.000	2 mg/L	10/03/20	10/03/20		
Nickel	0.001	0.001	. mg/l	10/02/20	10/02/20		
Selenium	ND	0.005	mg/L	10/02/20	10/02/20		
Silver	ND	0.000	1 mg/L	10/02/20	10/02/20		
Thallium	ND	0.000	1 mg/L	10/02/20	10/02/20		
Tin	ND	0.005	mg/l	10/02/20	10/02/20		
Vanadium	ND	0.000	5 mg/L	10/02/20	10/02/20		
Zinc	0.004	0.001	. mg/l	10/02/20	10/02/20		
Lead	0.0007	0.000	1 mg/L	10/02/20	10/02/20		

Sample: OW-17 Lab Number: 0J01021-05 (Water)

		F	Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Antimony	0.0002		0.0001	mg/L	10/02/20	10/02/20
Arsenic	0.0002		0.0001	mg/L	10/02/20	10/02/20
Barium	0.021		0.001	mg/l	10/02/20	10/02/20
Beryllium	ND		0.0001	mg/L	10/02/20	10/02/20
Cadmium	ND		0.0001	mg/L	10/02/20	10/02/20
Chromium	0.0005		0.0001	mg/L	10/02/20	10/02/20
Cobalt	0.0005		0.0001	mg/L	10/02/20	10/02/20
Copper	ND		0.001	mg/l	10/02/20	10/02/20
Mercury	ND		0.0002	mg/L	10/03/20	10/03/20
Nickel	ND		0.001	mg/l	10/02/20	10/02/20
Selenium	ND		0.005	mg/L	10/02/20	10/02/20
Silver	ND		0.0001	mg/L	10/02/20	10/02/20
Thallium	ND		0.0001	mg/L	10/02/20	10/02/20
Tin	ND		0.005	mg/l	10/02/20	10/02/20
Vanadium	0.0006		0.0005	mg/L	10/02/20	10/02/20
Zinc	0.005		0.001	mg/l	10/02/20	10/02/20
Lead	0.0072		0.0001	mg/L	10/02/20	10/02/20

Results: Volatile Organic Compounds

Sample: OW-7

Lab Number: 0J01021-01 (Water)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,1,1,2-Tetrachloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1,1-Trichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1,2,2-Tetrachloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1,2-Trichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1-Dichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
1,1-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
1,2,3-Trichloropropane	ND		1	ug/l	10/06/20	10/06/20
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/l	10/06/20	10/06/20
1,2-Dibromoethane (EDB)	ND		1	ug/l	10/06/20	10/06/20
1,2-Dichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,2-Dichloropropane	ND		1	ug/l	10/06/20	10/06/20
1,3-Dichloropropane	ND		1	ug/l	10/06/20	10/06/20
2,2-Dichloropropane	ND		1	ug/l	10/06/20	10/06/20
2-Hexanone	ND		5	ug/l	10/06/20	10/06/20
4-Methyl-2-pentanone	ND		5	ug/l	10/06/20	10/06/20
Acetone	ND		23	ug/l	10/06/20	10/06/20
Acetonitrile (TIC)	ND		5	ug/l	10/06/20	10/06/20
Acrolein	ND		5	ug/l	10/06/20	10/06/20
Acrylonitrile	ND		5	ug/l	10/06/20	10/06/20
Allyl chloride (TIC)	ND		5	ug/l	10/06/20	10/06/20
enzene	ND		1	ug/l	10/06/20	10/06/20
Bromochloromethane	ND		1	ug/l	10/06/20	10/06/20
romodichloromethane	ND		1	ug/l	10/06/20	10/06/20
romoform	ND		1	ug/l	10/06/20	10/06/20
Carbon Disulfide	ND		1	ug/l	10/06/20	10/06/20
arbon Tetrachloride	ND		1	ug/l	10/06/20	10/06/20
Chlorobenzene	ND		1	ug/l	10/06/20	10/06/20
Chloroethane	ND		1	ug/l	10/06/20	10/06/20
Chloroform	ND		1	ug/l	10/06/20	10/06/20
Chloroprene (TIC)	ND		1	ug/l	10/06/20	10/06/20
is-1,2-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
is-1,3-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
Dibromochloromethane	ND		1	ug/l	10/06/20	10/06/20
ichlorodifluoromethane	ND		1	ug/l	10/06/20	10/06/20
thyl Methacrylate (TIC)	ND		5	ug/l	10/06/20	10/06/20
thylbenzene	ND		1	ug/l	10/06/20	10/06/20
sobutyl Alcohol (TIC)	ND		20	ug/l	10/06/20	10/06/20
sodrin (TIC)	ND		5	ug/l	10/06/20	10/06/20
,3-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
lethacrylonitrile (TIC)	ND		10	ug/l	10/06/20	10/06/20
romomethane	ND		1	ug/l	10/06/20	10/06/20
Chloromethane	ND		1	ug/l	10/06/20	10/06/20
2-Butanone	ND		5	ug/l	10/06/20	10/06/20
Methyl iodide (TIC)	ND		5	ug/l	10/06/20	10/06/20
Methylmethacrylate (TIC)	ND		10	ug/l	10/06/20	10/06/20
Dibromomethane	ND		1	ug/l	10/06/20	10/06/20
Methylene Chloride	ND		1	ug/l	10/06/20	^{10/06} Pa

Results: Volatile Organic Compounds (Continued)

Sample: OW-7 (Continued) Lab Number: 0J01021-01 (Water)

Reporting							
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed	
1,2-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20	
1,4-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20	
Propionitrile (TIC)	ND		20	ug/l	10/06/20	10/06/20	
Styrene	ND		1	ug/l	10/06/20	10/06/20	
Tetrachloroethene	ND		1	ug/l	10/06/20	10/06/20	
Methyl t-butyl ether (MTBE)	ND		1	ug/l	10/06/20	10/06/20	
Toluene	ND		1	ug/l	10/06/20	10/06/20	
trans-1,2-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20	
trans-1,3-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20	
trans-1,4-Dichloro-2-Butene (TIC)	ND		5	ug/l	10/06/20	10/06/20	
Trichloroethene	ND		1	ug/l	10/06/20	10/06/20	
Trichlorofluoromethane	ND		1	ug/l	10/06/20	10/06/20	
Vinyl acetate (TIC)	ND		5	ug/l	10/06/20	10/06/20	
Vinyl Chloride	ND		1	ug/l	10/06/20	10/06/20	
Total xylenes	ND		2	ug/l	10/06/20	10/06/20	
Surrogate(s)	Recovery%		Limi	ts			
Toluene-d8	99.0%		70-1	30	10/06/20	10/06/20	
1,2-Dichloroethane-d4	99.4%		70-1	30	10/06/20	10/06/20	
4-Bromofluorobenzene	95.5%		70-1	30	10/06/20	10/06/20	

Results: Volatile Organic Compounds

Sample: OW-12

Lab Number: 0J01021-02 (Water)

1,1,1-Trietarchioresthane ND 1 ugl 1006/20 1006/20 1,1,1-Trietarchioresthane ND 1 ugl 1006/20 1006/20 1,1,2-Trietarchioresthane ND 1 ugl 1006/20 1006/20 1,1,2-Trietarchioresthane ND 1 ugl 1006/20 1006/20 1,1-Dichioresthane ND 1 ugl 1006/20 1006/20 1,1-Dichioresthane ND 1 ugl 1006/20 1006/20 1,2-Dichioresthane ND 5 ugl 1006/20 1006/20 <t< th=""><th>Analyte</th><th>Result</th><th>Qual</th><th>Reporting Limit</th><th>Units</th><th>Date Prepared</th><th>Date Analyzed</th></t<>	Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,1,2-TrichkorosthaneND1ug/t10,06/2010,06/201,1,2-TrichkorosthaneND1ug/t10,06/2010,06/201,1-DehlorostheneND1ug/t10,06/2010,06/201,1-DehlorostheneND1ug/t10,06/2010,06/201,2-Dichloropropane (DBCP)ND1ug/t10,06/2010,06/201,2-DichlorostheneND1ug/t10,06/2010,06/201,2-DichlorostheneND1ug/t10,06/2010,06/201,2-DichlorostheneND1ug/t10,06/2010,06/201,2-DichlorostheneND1ug/t10,06/2010,06/201,2-DichlorostheneND1ug/t10,06/2010,06/201,2-DichlorostheneND1ug/t10,06/2010,06/201,2-DichlorostheneND5ug/t10,06/2010,06/202-DichlorostheneND5ug/t10,06/2010,06/202-DichlorostheneND5ug/t10,06/2010,06/202-DichlorostheneND5ug/t10,06/2010,06/202-DichlorostheneND5ug/t10,06/2010,06/202-DichlorostheneND1ug/t10,06/2010,06/202-DichlorostheneND1ug/t10,06/2010,06/202-DichlorostheneND1ug/t10,06/2010,06/202-DichlorostheneND1ug/t<	1,1,1,2-Tetrachloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1-2-inchicorethaneND1ug/l1006/201006/201,1-bichicorethaneND1ug/l1006/201006/201,1-bichicorethaneND1ug/l1006/201006/201,2-bichicorethaneND1ug/l1006/201006/201,2-bichicorethaneND1ug/l1006/201006/201,2-bichicorethaneND1ug/l1006/201006/201,2-bichicorethaneND1ug/l1006/201006/201,2-bichicorethaneND1ug/l1006/201006/201,2-bichicorethaneND1ug/l1006/201006/202,2-bichicororpaneND1ug/l1006/201006/202,2-bichicororpaneND23ug/l1006/201006/202,2-bichicororpaneND23ug/l1006/201006/202,4-bichicorthaneND23ug/l1006/201006/202,4-bichicororpaneND5ug/l1006/201006/202,4-bichicorthaneND5ug/l1006/201006/202,4-bichicorthaneND1ug/l1006/201006/202,4-bichicorthaneND1ug/l1006/201006/202,4-bichicorthaneND1ug/l1006/201006/202,4-bichicorthaneND1ug/l1006/201006/202,4-bichicorthaneND1ug/l1006/201006/20	1,1,1-Trichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1-DichlorechaneND1ug/l10%2/D10%2/D1,1-DichlorechaneND1ug/l10%2/D10%2/D1,2-DichlorechaneND1ug/l10%2/D10%2/D1,2-DichlorechaneND1ug/l10%2/D10%2/D1,2-DichorechaneND1ug/l10%2/D10%2/D1,2-DichorechaneND1ug/l10%2/D10%2/D1,2-DichorechaneND1ug/l10%2/D10%2/D1,2-DichorechaneND1ug/l10%2/D10%2/D1,2-DichorechaneND1ug/l10%2/D10%2/D1,2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND5ug/l10%2/D10%2/D2-DichorechaneND1ug/l10%2/D10%2/D2-DichorechaneND1ug/l10%2/D10%2/D2-DichorechaneND1ug/l10%2/D10%2/D2-DichorechaneND1ug/l10%2/D10%2/D2-DichorechaneND1ug/l10%2/D10%2/D <td>1,1,2,2-Tetrachloroethane</td> <td>ND</td> <td></td> <td>1</td> <td>ug/l</td> <td>10/06/20</td> <td>10/06/20</td>	1,1,2,2-Tetrachloroethane	ND		1	ug/l	10/06/20	10/06/20
N.D. ND 1 ug/l 10/6/20 10/06/20 1,1-Dichlorpropene ND 1 ug/l 10/06/20 10/06/20 1,2-Dichlorpropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2-Dichloropropane	1,1,2-Trichloroethane	ND		1	ug/l	10/06/20	10/06/20
h.j.b.chloropropane ND 1 ug/l 1006/20 1006/20 1.2,3-Trichiropropane (DBCP) ND 1 ug/l 1006/20 1006/20 1.2-Dichronos-thane (EBD) ND 1 ug/l 1006/20 1006/20 1.2-Dichronosphane (EBC) ND 1 ug/l 1006/20 1006/20 1.2-Dichronosphane (EBC) ND 1 ug/l 1006/20 1006/20 1.2-Dichronosphane ND 1 ug/l 1006/20 1006/20 2-Dichronosphane ND 5 ug/l 1006/20 1006/20 2-Hexanone ND 5 ug/l 1006/20 1006/20 Actorinite (TIC) ND 5 ug/l 1006/20 1006/20 Actorinite (TIC) ND 5 ug/l 1006/20 1006/20 Actorinite (TIC) ND 1 ug/l 1006/20 1006/20 Berance/Loromethane ND 1 ug/l 1006/20 1006/20 Berance/Lorometh	1,1-Dichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,2.3-TrichloropropaneND1ug/l1006/2010/06/201,2-Dotromothane (DBCP)ND1ug/l1006/2010/06/201,2-Dotromothane (DBC)ND1ug/l1006/2010/06/201,2-Dothropropane (DBC)ND1ug/l1006/2010/06/201,2-DothropropaneND1ug/l1006/2010/06/201,3-DothropropaneND1ug/l1006/2010/06/202,2-DothropropaneND5ug/l1006/2010/06/202,2-DothropropaneND5ug/l1006/2010/06/202,2-DothropropaneND5ug/l1006/2010/06/202,2-DothropropaneND5ug/l1006/2010/06/20Actorne (TC)ND5ug/l1006/2010/06/20Actorne (TC)ND5ug/l1006/2010/06/20Actorne (TC)ND1ug/l1006/2010/06/20AnylontineND1ug/l1006/2010/06/20BencochoromethaneND1ug/l1006/2010/06/20BencochoromethaneND1ug/l1006/2010/06/20ChorobanizéND1ug/l1006/2010/06/20BencochoromethaneND1ug/l1006/2010/06/20BencochoromethaneND1ug/l1006/2010/06/20ChorobanizéND1ug/l1006/2010/06/20Ch	1,1-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
1,2-Dibromo-3-chiaropropane (DBCP)ND1ug/n10(06/2010(06/201,2-Dibromoethane (CDB)ND1ug/n10(06/2010(06/201,2-DichloropropaneND1ug/n10(06/2010(06/201,3-DichloropropaneND1ug/n10(06/2010(06/201,3-DichloropropaneND1ug/n10(06/2010(06/202-HoanoneND5ug/n10(06/2010(06/202-HoanoneND5ug/n10(06/2010(06/20ActoneND5ug/n10(06/2010(06/20ActoneND5ug/n10(06/2010(06/20Actonitie (TIC)ND5ug/n10(06/2010(06/20AcroleniND5ug/n10(06/2010(06/20AcrolenicND1ug/n10(06/2010(06/20AcrolenicND1ug/n10(06/2010(06/20BranzeneND1ug/n10(06/2010(06/20BrondochoromethaneND1ug/n10(06/2010(06/20BrondochoromethaneND1ug/n10(06/2010(06/20Carbon TataklondeND1ug/n10(06/2010(06/20Carbon TataklondeND1ug/n10(06/2010(06/20ChorobertaneND1ug/n10(06/2010(06/20ChorobertaneND1ug/n10(06/2010(06/20ChorobertaneND	1,1-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
1,2-Dichormoethane (EDB)ND1ug/l1006/201006/201,2-DichorpropaneND1ug/l1006/201006/201,3-DichorpropaneND1ug/l1006/201006/202,2-DichorpropaneND1ug/l1006/201006/202,2-DichorpropaneND1ug/l1006/201006/202,2-DichorpropaneND5ug/l1006/201006/204-Methyl-2-pertanoneND5ug/l1006/201006/20Acctonire (TC)ND5ug/l1006/201006/20Acctonire (TC)ND5ug/l1006/201006/20Acctonire (TC)ND5ug/l1006/201006/20Acroline (TC)ND1ug/l1006/201006/20BenzeneND1ug/l1006/201006/20BromochloromethaneND1ug/l1006/201006/20BromochloromethaneND1ug/l1006/201006/20Carbon DisilfieND1ug/l1006/201006/20ChorobraneND1ug/l1006/201006/20ChorobraneND1ug/l1006/201006/20ChorobraneND1ug/l1006/201006/20ChorobraneND1ug/l1006/201006/20ChorobraneND1ug/l1006/201006/20ChorobraneND1ug/l1006/	1,2,3-Trichloropropane	ND		1	ug/l	10/06/20	10/06/20
1,2-Dichlorozethane ND 1 ug/t 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/t 10/06/20 10/06/20 2,2-Dichloropropane ND 1 ug/t 10/06/20 10/06/20 2,2-Dichloropropane ND 5 ug/t 10/06/20 10/06/20 2-Heanone ND 5 ug/t 10/06/20 10/06/20 Acetone ND 5 ug/t 10/06/20 10/06/20 Acetonitle (TC) ND 5 ug/t 10/06/20 10/06/20 Acryointile ND 5 ug/t 10/06/20 10/06/20 Acryointile ND 1 ug/t 10/06/20 10/06/20 Bromochloromethane ND 1 ug/t 10/06/20 10/06/20 Bromochloromethane ND 1 ug/t 10/06/20 10/06/20 Bromochloromethane ND 1 ug/t 10/06/20 10/06/20 Carbon Disulfide ND <td>1,2-Dibromo-3-chloropropane (DBCP)</td> <td>ND</td> <td></td> <td>1</td> <td>ug/l</td> <td>10/06/20</td> <td>10/06/20</td>	1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/l	10/06/20	10/06/20
1,2 Dichloropropane ND 1 ug/t 10/06/20 10/06/20 1,3 Dichloropropane ND 1 ug/t 10/06/20 10/06/20 1,3 Dichloropropane ND 5 ug/t 10/06/20 10/06/20 2-Hexanone ND 5 ug/t 10/06/20 10/06/20 4-Metryl-2-pertanone ND 5 ug/t 10/06/20 10/06/20 Acetoni TIC ND 5 ug/t 10/06/20 10/06/20 Acetoni ND 5 ug/t 10/06/20 10/06/20 Acetoni ND 5 ug/t 10/06/20 10/06/20 Acetoni CTC ND 5 ug/t 10/06/20 10/06/20 Acetoni Sinfice ND 1 ug/t 10/06/20 10/06/20 Bromochoromethane ND 1 ug/t 10/06/20 10/06/20 Bromochoromethane ND 1 ug/t 10/06/20 10/06/20 Chorobethane ND 1 ug/t	1,2-Dibromoethane (EDB)	ND		1	ug/l	10/06/20	10/06/20
1,3-DichloropropaneND1ug/l10/06/2010/06/202,2-DichloropropaneND1ug/l10/06/2010/06/202,2-DichloropropaneND5ug/l10/06/2010/06/204-Methyl-2-pentanoneND5ug/l10/06/2010/06/20Acetonic (TIC)ND5ug/l10/06/2010/06/20Acetonic (TIC)ND5ug/l10/06/2010/06/20Acrobinitie (TIC)ND5ug/l10/06/2010/06/20Acrobinitie (TIC)ND5ug/l10/06/2010/06/20BranceND1ug/l10/06/2010/06/20Brance (TIC)ND1ug/l10/06/2010/06/20BronchoromethaneND1ug/l10/06/2010/06/20BronchoromethaneND1ug/l10/06/2010/06/20BronchoromethaneND1ug/l10/06/2010/06/20Carbon TetrachlorideND1ug/l10/06/2010/06/20ChoroberaneND1ug/l10/06/2010/06/20ChoroberaneND1ug/l10/06/2010/06/20ChoroberaneND1ug/l10/06/2010/06/20ChoroberaneND1ug/l10/06/2010/06/20ChoroberaneND1ug/l10/06/2010/06/20ChoroberaneND1ug/l10/06/2010/06/20Dichoroberane<	1,2-Dichloroethane	ND		1	ug/l	10/06/20	10/06/20
2,2 bichloropropane ND 1 ug/l 10/06/20 10/06/20 2-Hexanone ND 5 ug/l 10/06/20 10/06/20 4-Methyl-2-pentanone ND 5 ug/l 10/06/20 10/06/20 Acctonitrile (TIC) ND 5 ug/l 10/06/20 10/06/20 Acctonitrile (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolarin ND 5 ug/l 10/06/20 10/06/20 Acrolarin ND 5 ug/l 10/06/20 10/06/20 Acrolarin ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Chorobethane ND	1,2-Dichloropropane	ND		1	ug/l	10/06/20	10/06/20
2,2-DichloropropaneND1ug/l10/06/2010/06/202-HexanoneND5ug/l10/06/2010/06/204-Methyl-2-pertanoneND5ug/l10/06/2010/06/20AcctoneND5ug/l10/06/2010/06/20AcctoneND5ug/l10/06/2010/06/20AcctoneND5ug/l10/06/2010/06/20AcctoneND5ug/l10/06/2010/06/20AcrolarinND5ug/l10/06/2010/06/20Allyl chloride (TIC)ND1ug/l10/06/2010/06/20BernzenkoromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l10/06/2010/06/20ChloropetaneND1ug/l <td< td=""><td>1,3-Dichloropropane</td><td>ND</td><td></td><td>1</td><td></td><td>10/06/20</td><td>10/06/20</td></td<>	1,3-Dichloropropane	ND		1		10/06/20	10/06/20
2-Hexanone ND 5 ug/l 10/06/20 10/06/20 4-Methyl-2pentanone ND 23 ug/l 10/06/20 10/06/20 Acetone ND 23 ug/l 10/06/20 10/06/20 Acetonitrie (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolinie (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolinie (TIC) ND 5 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Tetachioride ND 1 ug/l 10/06/20 10/06/20 Carbon Tetachioride ND 1 ug/l 10/06/20 10/06/20 Chorobenzene ND 1 ug/l 10/06/20 10/06/20 Chorobenzene ND							
4-Methyl-2-pentanoneND5ug/l10/06/2010/06/20AcetoneND23ug/l10/06/2010/06/20Acetonitrile (TIC)ND5ug/l10/06/2010/06/20AcryleinND5ug/l10/06/2010/06/20AcryleinitileND5ug/l10/06/2010/06/20AcryleinitileND5ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BromachloromethaneND1ug/l10/06/2010/06/20BromachloromethaneND1ug/l10/06/2010/06/20BromachloromethaneND1ug/l10/06/2010/06/20BromachloromethaneND1ug/l10/06/2010/06/20BromachloromethaneND1ug/l10/06/2010/06/20BromachloromethaneND1ug/l10/06/2010/06/20Carbon DisulfideND1ug/l10/06/2010/06/20ChorobraneND1ug/l10/06/2010/06/20ChorobraneND1ug/l10/06/2010/06/20ChorobraneND1ug/l10/06/2010/06/20DiorodorifuoromethaneND1ug/l10/06/2010/06/20DiorodorifuoromethaneND1ug/l10/06/2010/06/20DiorodorifuoromethaneND1ug/l10/06/2010/06/20Diorod							
Acetone ND 23 ug/l 10/06/20 10/06/20 Acetoniciia (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolaciia ND 5 ug/l 10/06/20 10/06/20 Acryontrile ND 5 ug/l 10/06/20 10/06/20 Ally choride (TIC) ND 5 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromodchloromethane ND 1 ug/l 10/06/20 10/06/20 Bromodchloromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Teizachloride ND 1 ug/l 10/06/20 10/06/20 Carbon Teizachloride ND 1 ug/l 10/06/20 10/06/20 Chlorobenzane ND 1 ug/l 10/06/20 10/06/20 Chlorobenzene ND 1 ug/l 10/06/20 10/06/20 Chlorobenzene ND <					-		
Acetonitrile (TTC)NDSug/l10/06/2010/06/20AcroleinNDSug/l10/06/2010/06/20AcrylonitrileNDSug/l10/06/2010/06/20Ally chloride (TTC)ND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BromochioromethaneND1ug/l10/06/2010/06/20BromochioromethaneND1ug/l10/06/2010/06/20BromochioromethaneND1ug/l10/06/2010/06/20BromochioromethaneND1ug/l10/06/2010/06/20BromochioromethaneND1ug/l10/06/2010/06/20Carbon TetrachlorideND1ug/l10/06/2010/06/20ChloropenzeneND1ug/l10/06/2010/06/20Chloropenzene (TTC)ND1ug/l10/06/2010/06/20Chloropenzene (TTC)ND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2					-		
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		ND		1	ug/l	10/06/20	
Methylene Chloride ND 1 ug/l 10/06/20 10/06 Page	Methylene Chloride	ND		1	ug/l	10/06/20	^{10/06} Page 1

Results: Volatile Organic Compounds (Continued)

Sample: OW-12 (Continued) Lab Number: 0J01021-02 (Water)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
1,2-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
1,4-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
Propionitrile (TIC)	ND		20	ug/l	10/06/20	10/06/20
Styrene	ND		1	ug/l	10/06/20	10/06/20
Tetrachloroethene	ND		1	ug/l	10/06/20	10/06/20
Methyl t-butyl ether (MTBE)	ND		1	ug/l	10/06/20	10/06/20
Toluene	ND		1	ug/l	10/06/20	10/06/20
trans-1,2-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
trans-1,3-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
trans-1,4-Dichloro-2-Butene (TIC)	ND		5	ug/l	10/06/20	10/06/20
Trichloroethene	ND		1	ug/l	10/06/20	10/06/20
Trichlorofluoromethane	ND		1	ug/l	10/06/20	10/06/20
Vinyl acetate (TIC)	ND		5	ug/l	10/06/20	10/06/20
Vinyl Chloride	ND		1	ug/l	10/06/20	10/06/20
Total xylenes	ND		2	ug/l	10/06/20	10/06/20
Surrogate(s)	Recovery%		Limi	ts		
Toluene-d8	98.9%		70-1	30	10/06/20	10/06/20
1,2-Dichloroethane-d4	101%		70-1	30	10/06/20	10/06/20
4-Bromofluorobenzene	90.7%		70-1	30	10/06/20	10/06/20

Results: Volatile Organic Compounds

Sample: OW-13

Lab Number: 0J01021-03 (Water)

ND 1 ug/l 10/06/20 10/06/20 1,1,1-Trichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1,2-Trichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1,2-Trichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1,2-Trichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1-Dichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1-Dichloroethane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloroethane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane (DBCP) ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2,-Dichloropropane </th
1,1,2,2-Tetrachloroethane ND 1 ug/l 10/06/20 10/06/20 1,1,2-Trichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1-Dichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1-Dichloroethane ND 1 ug/l 10/06/20 10/06/20 1,1-Dichloropropene ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Jorichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane (DBCP) ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane (DBCP) ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20
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I.1-Dichloropropene ND 1 ug/l 10/06/20 10/06/20 1,2,3-Trichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2,3-Trichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dibromo-3-chloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dibromoethane (EDB) ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,3-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 2,4-Extonre ND 5 ug/l 10/06/20 10/06/20 <t< td=""></t<>
1,2,3-TrichloropropaneND1ug/l1/0/6/201/0/6/201,2-Dibromo-3-chloropropane (DBCP)ND1ug/l1/0/6/201/0/6/201,2-Dibromoethane (EDB)ND1ug/l1/0/6/201/0/6/201,2-DichloropropaneND1ug/l10/06/201/0/6/201,2-DichloropropaneND1ug/l10/06/201/0/6/201,2-DichloropropaneND1ug/l10/06/201/0/6/202,2-DichloropropaneND1ug/l10/06/201/0/6/202,2-DichloropropaneND5ug/l10/06/2010/06/202-HexanoneND5ug/l10/06/2010/06/20Acetonitrile (TIC)ND5ug/l10/06/2010/06/20Acetonitrile (TIC)ND5ug/l10/06/2010/06/20ArylonitrileND5ug/l10/06/2010/06/20All chride (TIC)ND5ug/l10/06/2010/06/20All chride (TIC)ND5ug/l10/06/2010/06/20All chride (TIC)ND5ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20 <tr< td=""></tr<>
L2,23-Trichloropropane ND 1 ug/l 10/06/20 10/06/20 L2,2-Dibromo-3-chloropropane (DBCP) ND 1 ug/l 10/06/20 10/06/20 L2,2-Dibromoethane (EDB) ND 1 ug/l 10/06/20 10/06/20 L,2-Dichloroethane ND 1 ug/l 10/06/20 10/06/20 L,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 L2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 L2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 L+Methyl-2-pentanone ND 5 ug/l 10/06/20 10/06/20 10/06/20 Acetone ND 5 ug/l 10/06/20 10/06/20 10/06/20 10/06/20 10/06/20 10/06/20 10/06/20
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Acetonitrile (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 5 ug/l 10/06/20 10/06/20 Allyl chloride (TIC) ND 5 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20
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arbon Disulfide ND 1 ug/l 10/06/20 10/06/20
Carbon Tetrachloride ND 1 ug/l 10/06/20 10/06/20 10/06/20
Chlorobenzene 5 1 ug/l 10/06/20 10/06/20
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Chloroethane ND 1 ug/l 10/06/20 10/06/20 Chloroform ND 1 ug/l 10/06/20 10/06/20
Chloroprene (TIC) ND 1 ug/l 10/06/20 10/06/20 vic-1 2-Dichloropthono ND 1 ug/l 10/06/20 10/06/20
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Isis-1,3-Dichloropropene ND 1 ug/l 10/06/20 10/06/20 Dibromochloromethane ND 1 ug/l 10/06/20 10/06/20
Dichlorodifluoromethane ND 1 ug/l 10/06/20 10/06/20 Sthul Methagendate (TIC) ND 5 ug/l 10/06/20 10/06/20
Ethyl Methacrylate (TIC) ND 5 ug/l 10/06/20 10/06/20 Tethyl Methacrylate (TIC) ND 5 ug/l 10/06/20 10/06/20
Item ND 1 ug/l 10/06/20 10/06/20 Statistical Alexandria ND 20 vm/l 10/06/20 10/06/20
sobutyl Alcohol (TIC) ND 20 ug/l 10/06/20 10/06/20
sodrin (TIC) ND 5 ug/l 10/06/20 10/06/20 2 Dicklambarger ND 1 ug/l 10/06/20 10/06/20
I,3-Dichlorobenzene ND 1 ug/l 10/06/20 10/06/20 Auto and activity 10 10 10/06/20 10/06/20 10/06/20
ND 10 ug/l 10/06/20 10/06/20
ND 1 ug/l 10/06/20 10/06/20 Stelewardbace ND 1 ug/l 10/06/20 10/06/20
Chloromethane ND 1 ug/l 10/06/20 10/06/20
2-Butanone ND 5 ug/l 10/06/20 10/06/20
Methyl iodide (TIC) ND 5 ug/l 10/06/20 10/06/20
Methylmethacrylate (TIC) ND 10 ug/l 10/06/20 10/06/20
Dibromomethane ND 1 ug/l 10/06/20 10/06/20
Methylene Chloride ND 1 ug/l 10/06/20 10/06

Results: Volatile Organic Compounds (Continued)

Sample: OW-13 (Continued)

Lab Number: 0J01021-03 (Water)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
1,2-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
1,4-Dichlorobenzene	1		1	ug/l	10/06/20	10/06/20
Propionitrile (TIC)	ND		20	ug/l	10/06/20	10/06/20
Styrene	ND		1	ug/l	10/06/20	10/06/20
Tetrachloroethene	ND		1	ug/l	10/06/20	10/06/20
Methyl t-butyl ether (MTBE)	ND		1	ug/l	10/06/20	10/06/20
Toluene	ND		1	ug/l	10/06/20	10/06/20
trans-1,2-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
trans-1,3-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
trans-1,4-Dichloro-2-Butene (TIC)	ND		5	ug/l	10/06/20	10/06/20
Trichloroethene	ND		1	ug/l	10/06/20	10/06/20
Trichlorofluoromethane	ND		1	ug/l	10/06/20	10/06/20
Vinyl acetate (TIC)	ND		5	ug/l	10/06/20	10/06/20
Vinyl Chloride	ND		1	ug/l	10/06/20	10/06/20
Total xylenes	ND		2	ug/l	10/06/20	10/06/20
Surrogate(s)	Recovery%		Limi	ts		
Toluene-d8	98.6%		70-1	30	10/06/20	10/06/20
1,2-Dichloroethane-d4	104%		70-1	30	10/06/20	10/06/20
4-Bromofluorobenzene	92.3%		70-1	30	10/06/20	10/06/20

Results: Volatile Organic Compounds

Sample: OW-16

Lab Number: 0J01021-04 (Water)

1,1,1,2-Tetrachloroethane ND	1	ug/l	10/06/20	
	1	. 51	10/06/20	10/06/20
1,1,1-Trichloroethane ND	-	ug/l	10/06/20	10/06/20
1,1,2,2-Tetrachloroethane ND	1	ug/l	10/06/20	10/06/20
1,1,2-Trichloroethane ND	1	ug/l	10/06/20	10/06/20
1,1-Dichloroethane ND	1	ug/l	10/06/20	10/06/20
1,1-Dichloroethene ND	1	ug/l	10/06/20	10/06/20
1,1-Dichloropropene ND	1	ug/l	10/06/20	10/06/20
1,2,3-Trichloropropane ND	1	ug/l	10/06/20	10/06/20
1,2-Dibromo-3-chloropropane (DBCP) ND	1	ug/l	10/06/20	10/06/20
1,2-Dibromoethane (EDB) ND	1	ug/l	10/06/20	10/06/20
1,2-Dichloroethane ND	1	ug/l	10/06/20	10/06/20
1,2-Dichloropropane ND	1	ug/l	10/06/20	10/06/20
1,3-Dichloropropane ND	1	ug/l	10/06/20	10/06/20
2,2-Dichloropropane ND	1	ug/l	10/06/20	10/06/20
2-Hexanone ND	5	ug/l	10/06/20	10/06/20
4-Methyl-2-pentanone ND	5	ug/l	10/06/20	10/06/20
Acetone ND	23	ug/l	10/06/20	10/06/20
Acetonitrile (TIC) ND	5	ug/l	10/06/20	10/06/20
Acrolein ND	5	ug/l	10/06/20	10/06/20
Acrylonitrile ND	5	ug/l	10/06/20	10/06/20
Allyl chloride (TIC) ND	5	ug/l	10/06/20	10/06/20
Benzene ND	1	ug/l	10/06/20	10/06/20
Bromochloromethane ND	1	ug/l	10/06/20	10/06/20
Bromodichloromethane ND	1	ug/l	10/06/20	10/06/20
romoform ND	1	ug/l	10/06/20	10/06/20
Carbon Disulfide ND	1	ug/l	10/06/20	10/06/20
Carbon Tetrachloride ND	1	ug/l	10/06/20	10/06/20
Chlorobenzene ND	1	ug/l	10/06/20	10/06/20
Chloroethane ND	1		10/06/20	10/06/20
		ug/l	10/06/20	10/06/20
	1	ug/l		
Chloroprene (TIC) ND	1	ug/l	10/06/20	10/06/20
cis-1,2-Dichloroethene ND	1	ug/l	10/06/20	10/06/20
cis-1,3-Dichloropropene ND Dibromochloromethane ND	1	ug/l	10/06/20	10/06/20
	1	ug/l	10/06/20	10/06/20
Dichlorodifluoromethane ND	1	ug/l	10/06/20	10/06/20
Ethyl Methacrylate (TIC) ND	5	ug/l	10/06/20	10/06/20
Thylbenzene ND	1	ug/l	10/06/20	10/06/20
Isobutyl Alcohol (TIC) ND	20	ug/l	10/06/20	10/06/20
Isodrin (TIC) ND	5	ug/l	10/06/20	10/06/20
I,3-Dichlorobenzene ND	1	ug/l	10/06/20	10/06/20
Aethacrylonitrile (TIC) ND	10	ug/l	10/06/20	10/06/20
Bromomethane ND	1	ug/l	10/06/20	10/06/20
Chloromethane ND	1	ug/l	10/06/20	10/06/20
2-Butanone ND	5	ug/l	10/06/20	10/06/20
Methyl iodide (TIC) ND	5	ug/l	10/06/20	10/06/20
Methylmethacrylate (TIC) ND	10	ug/l	10/06/20	10/06/20
Dibromomethane ND	1	ug/l	10/06/20	10/06/20
Methylene Chloride ND	1	ug/l	10/06/20	^{10/06} Pa

Results: Volatile Organic Compounds (Continued)

Sample: OW-16 (Continued) Lab Number: 0J01021-04 (Water)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
1,2-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
1,4-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
Propionitrile (TIC)	ND		20	ug/l	10/06/20	10/06/20
Styrene	ND		1	ug/l	10/06/20	10/06/20
Tetrachloroethene	ND		1	ug/l	10/06/20	10/06/20
Methyl t-butyl ether (MTBE)	ND		1	ug/l	10/06/20	10/06/20
Toluene	ND		1	ug/l	10/06/20	10/06/20
trans-1,2-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
trans-1,3-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
trans-1,4-Dichloro-2-Butene (TIC)	ND		5	ug/l	10/06/20	10/06/20
Trichloroethene	ND		1	ug/l	10/06/20	10/06/20
Trichlorofluoromethane	ND		1	ug/l	10/06/20	10/06/20
Vinyl acetate (TIC)	ND		5	ug/l	10/06/20	10/06/20
Vinyl Chloride	ND		1	ug/l	10/06/20	10/06/20
Total xylenes	ND		2	ug/l	10/06/20	10/06/20
Surrogate(s)	Recovery%		Limi	ts		
Toluene-d8	97.7%		70-1	30	10/06/20	10/06/20
1,2-Dichloroethane-d4	102%		70-1	30	10/06/20	10/06/20
4-Bromofluorobenzene	92.4%		70-1	30	10/06/20	10/06/20

Results: Volatile Organic Compounds

Sample: OW-17

Lab Number: 0J01021-05 (Water)

1,1,2-Tetrachionethane ND 1 ug/l 1006/20 1006/20 1,1,1-Tetrachionethane ND 1 ug/l 1006/20 1006/20 1,1,2-Tetrachionethane ND 1 ug/l 1006/20 1006/20 1,1,2-Tetrachionethane ND 1 ug/l 1006/20 1006/20 1,1-Dichocathane ND 1 ug/l 1006/20 1006/20 1,2-Dichocathane ND 1 ug/l 1006/20 1006/20 1,2-Dichocathane ND 1 ug/l 1006/20 1006/20 1,2-Dichorathane (DBP) ND 1 ug/l 1006/20 1006/20 1,2-Dichorathane	Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,1,2,2-Tetrachloroethane ND 1 ug/l 1006/20 1006/20 1,1,2-Inchloroethane ND 1 ug/l 1006/20 1006/20 1,1-Dichloroethane ND 1 ug/l 1006/20 1006/20 1,1-Dichloroethane ND 1 ug/l 1006/20 1006/20 1,2-Dichloroethane ND 1 ug/l 1006/20 1006/20 1,2-Dichloropapane ND 1 ug/l 1006/20 1006/20 1,2-Dichloropapane ND 5 ug/l 1006/20 1006/20 2,2-Dichloropapane ND 5 ug/l 1006/20 1006/20 2,2-Dichloropapane ND 5 ug/l 1006/20 1006/20 Acconer ND 5 ug/l 1006/20 1006/20 Acconer	1,1,1,2-Tetrachloroethane	ND		1	ug/l	10/06/20	10/06/20
1,1-2-fickborechaneND1ug/l10/6/2010/06/201,1-0chkorechaneND1ug/l10/6/2010/06/201,1-0chkorechaneND1ug/l10/6/2010/06/201,1-0chkorechaneND1ug/l10/6/2010/06/201,2-DiknorechaneND1ug/l10/6/2010/06/201,2-Diknorechane (DBCP)ND1ug/l10/6/2010/06/201,2-Diknorechane (DBCP)ND1ug/l10/6/2010/06/201,2-Diknorechane (DBCP)ND1ug/l10/6/2010/06/201,2-Diknorechane (DBCP)ND1ug/l10/06/2010/06/201,2-DiknorechaneND1ug/l10/06/2010/06/201,2-DiknorechaneND5ug/l10/06/2010/06/202-DickhorechaneND5ug/l10/06/2010/06/202-DickhorechaneND5ug/l10/06/2010/06/202-DickhorechaneND5ug/l10/06/2010/06/20AcetoneND5ug/l10/06/2010/06/20Acetonite (TIC)ND5ug/l10/06/2010/06/20AcrohenikaeND1ug/l10/06/2010/06/20BronnechioromethaneND1ug/l10/06/2010/06/20BronnechioromethaneND1ug/l10/06/2010/06/20BronnechioromethaneND1ug/l10/06/2010	1,1,1-Trichloroethane	ND		1	ug/l	10/06/20	10/06/20
1.1 Dichlorgerhane ND 1 ug/l 10/06/20 10/06/20 1.1 Dichlorgerhene ND 1 ug/l 10/06/20 10/06/20 1.2, Dichlorgerhene ND 1 ug/l 10/06/20 10/06/20 1.2, Dichlorgerhene ND 1 ug/l 10/06/20 10/06/20 1.2, Dichlorgerhone ND 1 ug/l 10/06/20 10/06/20 1.2, Dichlorgerhone ND 1 ug/l 10/06/20 10/06/20 1.2, Dichlorgerhane ND 1 ug/l 10/06/20 10/06/20 1.2, Dichlorgerhane ND 1 ug/l 10/06/20 10/06/20 2, Dichlorgerhane ND 5 ug/l 10/06/20 10/06/20 <	1,1,2,2-Tetrachloroethane	ND		1	ug/l	10/06/20	10/06/20
N ND 1 ug/l 1006/20 1006/20 1,1-Dichloropropene ND 1 ug/l 1006/20 1006/20 1,2-Dichloropropane ND 1 ug/l 1006/20 1006/20 1,2-Dibromo-3-chloropropane (DBCP) ND 1 ug/l 1006/20 1006/20 1,2-Dichloropropane ND 1 ug/l 1006/20 1006/20 1,2-Dichloropropane ND 1 ug/l 1006/20 1006/20 1,2-Dichloropropane ND 1 ug/l 1006/20 1006/20 2,2-Dichloropropane ND 5 ug/l 1006/20 1006/20 2-Hotanone ND 5 ug/l 1006/20 1006/20 Arctonine (TIC) ND 5 ug/l 1006/20 1006/20 Arctonine (TIC) ND 5 ug/l 1006/20 1006/20 Arctonine (TIC) ND 1 ug/l 1006/20 1006/20 Arctonine (TIC) ND	1,1,2-Trichloroethane	ND		1	ug/l	10/06/20	10/06/20
1.)ND1ug/l1006/201006/201.3.3Tichloropropane (DEP)ND1ug/l1006/201006/201.2.0itomos-thane (ED8)ND1ug/l1006/201006/201.2.0itomos-thane (ED8)ND1ug/l1006/201006/201.2.0itohropropane (DEP)ND1ug/l1006/201006/201.3.0itohropropaneND1ug/l1006/201006/202.2.0itohropropaneND1ug/l1006/201006/202.2.0itohropropaneND5ug/l1006/201006/202.2.0itohropropaneND5ug/l1006/201006/202.4.eanoneND5ug/l1006/201006/20Actontril (TIC)ND5ug/l1006/201006/20Actontril (TIC)ND5ug/l1006/201006/20AryohrtilND1ug/l1006/201006/20BenochloromethaneND1ug/l1006/201006/20BenochloromethaneND1ug/l1006/201006/20Carbon ElashfelND1ug/l1006/201006/20Carbon ElashfelND1ug/l1006/201006/20Carbon ElashfelND1ug/l1006/201006/20Carbon ElashfelND1ug/l1006/201006/20Carbon ElashfelND1ug/l1006/201006/20Carbon Elash	1,1-Dichloroethane	ND		1	ug/l	10/06/20	10/06/20
1,2-3-Trichloropropane ND 1 ug/l 10/06/20 10/06/20 1,2-bbromothene (EDBY) ND 1 ug/l 10/06/20 10/06/20 1,2-bbromothene (EDB) ND 1 ug/l 10/06/20 10/06/20 1,2-bbrohoropropane (EDBY) ND 1 ug/l 10/06/20 10/06/20 1,2-bbrohoropropane ND 1 ug/l 10/06/20 10/06/20 2,2-bbrohoropropane ND 1 ug/l 10/06/20 10/06/20 2,2-bbrohoropropane ND 5 ug/l 10/06/20 10/06/20 2,2-bbrohoropropane ND 5 ug/l 10/06/20 10/06/20 Acetone ND 5 ug/l 10/06/20 10/06/20 Acetonite (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrylonite (TIC) ND 1 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromodrchoromethane ND 1 ug/l 10/06/20 10/06/20	1,1-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
1,2-Dibromo-3-chioropropane (DBCP) ND 1 ug/l 1006/20 1006/20 1,2-Dichronethane (EDB) ND 1 ug/l 1006/20 1006/20 1,2-Dichronethane (EDB) ND 1 ug/l 1006/20 1006/20 1,2-Dichronethane ND 1 ug/l 1006/20 1006/20 1,2-Dichronethane ND 5 ug/l 1006/20 1006/20 2,2-Dichronycopane ND 5 ug/l 1006/20 1006/20 2-Heanone ND 5 ug/l 1006/20 1006/20 Acctonitrile (TIC) ND 5 ug/l 1006/20 1006/20 Acctonitrile (TIC) ND 5 ug/l 1006/20 1006/20 Acctonitrile (TIC) ND 1 ug/l 1006/20 1006/20 Acctonitrile (TIC) ND 1 ug/l 1006/20 1006/20 Bromechiormethane ND 1 ug/l 1006/20 1006/20 Bromechiormethane	1,1-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
1,2-Dibromoethane (EDB) ND 1 ug/l 10/06/20 10/06/20 1,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 1,3-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2,2-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 4-Methyl-2-pentanone ND 5 ug/l 10/06/20 10/06/20 Accolinitie (TIC) ND 5 ug/l 10/06/20 10/06/20 Acroleinitie (TIC) ND 1 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Bromoch	1,2,3-Trichloropropane	ND		1	ug/l	10/06/20	10/06/20
1,2-Dichlorozethane ND 1 ug/l 10/06/20 10/06/20 1,2-Dichlorozpropane ND 1 ug/l 10/06/20 10/06/20 2,2-Dichlorozpropane ND 1 ug/l 10/06/20 10/06/20 2,2-Dichlorozpropane ND 5 ug/l 10/06/20 10/06/20 2,4-Dichlorozpropane ND 5 ug/l 10/06/20 10/06/20 4-Methyl-2-pentanone ND 5 ug/l 10/06/20 10/06/20 Acctorine ND 5 ug/l 10/06/20 10/06/20 Acctorine ND 5 ug/l 10/06/20 10/06/20 Alrolatine (TIC) ND 5 ug/l 10/06/20 10/06/20 Alrolatine (TIC) ND 1 ug/l 10/06/20 10/06/20 Bromochlorozethane ND 1 ug/l 10/06/20 10/06/20 Bromochlorozethane ND 1 ug/l 10/06/20 10/06/20 Bromochlorozethane	1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/l	10/06/20	10/06/20
1,2 Dick 1 ug/l 10/06/20 10/06/20 1,3 Dichorpropane ND 1 ug/l 10/06/20 10/06/20 1,3 Dichorpropane ND 1 ug/l 10/06/20 10/06/20 2-Hexanone ND 5 ug/l 10/06/20 10/06/20 2-Hexanone ND 5 ug/l 10/06/20 10/06/20 Acetome ND 5 ug/l 10/06/20 10/06/20 Acetomic (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolani (TIC) ND 5 ug/l 10/06/20 10/06/20 Bromachloromethane ND 1 ug/l 10/06/20 10/06/20 Bromachloromethane	1,2-Dibromoethane (EDB)	ND		1	ug/l	10/06/20	10/06/20
1,3-Dichloropropane ND 1 ug/l 10/06/20 10/06/20 2,2-Dichloropropane ND 5 ug/l 10/06/20 10/06/20 2-Hexanone ND 5 ug/l 10/06/20 10/06/20 2-Hexanone ND 5 ug/l 10/06/20 10/06/20 Acetonic III ND 5 ug/l 10/06/20 10/06/20 Acetonic III ND 5 ug/l 10/06/20 10/06/20 Acetonic III ND 5 ug/l 10/06/20 10/06/20 Acrylonic/III ND 5 ug/l 10/06/20 10/06/20 Acrylonic/III ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Disulfide ND 1 ug/l 10/06/20 10/06/20 Chorobenzene ND 1	1,2-Dichloroethane	ND		1	ug/l	10/06/20	10/06/20
2,2 Dickhoroprapane ND 1 ug/l 10/06/20 10/06/20 2-Hexanone ND 5 ug/l 10/06/20 10/06/20 4-Methyl-2-pentanone ND 5 ug/l 10/06/20 10/06/20 Acetone ND 23 ug/l 10/06/20 10/06/20 Acetone ND 5 ug/l 10/06/20 10/06/20 Acetone ND 5 ug/l 10/06/20 10/06/20 Acetone ND 5 ug/l 10/06/20 10/06/20 Acroleni ND 1 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Chorobenzene ND 1 ug/l <td>1,2-Dichloropropane</td> <td>ND</td> <td></td> <td>1</td> <td>ug/l</td> <td>10/06/20</td> <td>10/06/20</td>	1,2-Dichloropropane	ND		1	ug/l	10/06/20	10/06/20
2-Hexanone ND 5 ug/l 10/06/20 10/06/20 4-Methyl-2pentanone ND 5 ug/l 10/06/20 10/06/20 Acetone ND 23 ug/l 10/06/20 10/06/20 Acetonitrie ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 1 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromodichoromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Tetrachloride ND 1	1,3-Dichloropropane	ND		1	ug/l	10/06/20	10/06/20
2-HexanoneND5ug/l10/06/2010/06/204-Methyl-2-pentanoneND5ug/l10/06/2010/06/20AcetoneND23ug/l10/06/2010/06/20Accolintie (TLC)ND5ug/l10/06/2010/06/20AcrolenND5ug/l10/06/2010/06/20AcroleninND5ug/l10/06/2010/06/20AcroleninND5ug/l10/06/2010/06/20AcroleninND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BromochichromethaneND1ug/l10/06/2010/06/20BromochichromethaneND1ug/l10/06/2010/06/20BromochichromethaneND1ug/l10/06/2010/06/20Carbon TetrachlorideND1ug/l10/06/2010/06/20Carbon TetrachlorideND1ug/l10/06/2010/06/20ChioroethaneND1ug/l10/06/2010/06/20ChioroethaneND1ug/l10/06/2010/06/20ChioroethaneND1ug/l10/06/2010/06/20ChioroethaneND1ug/l10/06/2010/06/20ChioroethaneND1ug/l10/06/2010/06/20DibromochioromethaneND1ug/l10/06/2010/06/20DibromochioromethaneND <t< td=""><td>2,2-Dichloropropane</td><td>ND</td><td></td><td>1</td><td></td><td>10/06/20</td><td>10/06/20</td></t<>	2,2-Dichloropropane	ND		1		10/06/20	10/06/20
4-Methyl-2-pentanoneND5ug/l10/06/2010/06/20AcetoneND23ug/l10/06/2010/06/20Acetontrile (TIC)ND5ug/l10/06/2010/06/20AcroliniND5ug/l10/06/2010/06/20AcrylonitrileND5ug/l10/06/2010/06/20AcrylonitrileND5ug/l10/06/2010/06/20AcrylonitrileND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20Carbon DistrifeND1ug/l10/06/2010/06/20Carbon DistrifeND1ug/l10/06/2010/06/20ChoroethaneND1ug/l10/06/2010/06/20Choroprene (TIC)ND1ug/l10/06/2010/06/20Choroprene (TIC)ND1ug/l10/06/2010/06/20DichoroethaneND1ug/l10/06/2010/06/20DichoroethaneND1ug/l10/06/2010/06/20DichoroethaneND1ug/l10/06/2010/06/20DichoroethaneND1ug/l10/06/2010/06/20DichoroethaneND1ug/l10/06/2010/06/20DichoroethaneND1 <td></td> <td>ND</td> <td></td> <td>5</td> <td></td> <td></td> <td></td>		ND		5			
Acetone ND 23 ug/l 10/06/20 10/06/20 Acetonitrile (TIC) ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 5 ug/l 10/06/20 10/06/20 Acrolein ND 5 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochioromethane ND 1 ug/l 10/06/20 10/06/20 Bromochioromethane ND 1 ug/l 10/06/20 10/06/20 Bromochioromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Disulifide ND 1 ug/l 10/06/20 10/06/20 Carbon Pictrachioride ND 1 ug/l 10/06/20 10/06/20 Choropenzene ND 1 ug/l 10/06/20 10/06/20 Choropene (TIC) ND 1	4-Methyl-2-pentanone	ND		5	-		
Acetonitrile (TIC)ND5ug/l10/06/2010/06/20AcroleniND5ug/l10/06/2010/06/20AcrylonitrileND5ug/l10/06/2010/06/20Acrylonitrile (TIC)ND1ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BromochiromethaneND1ug/l10/06/2010/06/20BromochiromethaneND1ug/l10/06/2010/06/20BromochiromethaneND1ug/l10/06/2010/06/20Carbon DisulfideND1ug/l10/06/2010/06/20Carbon DisulfideND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1ug/l10/06/2010/06/20ChorobenzeneND1					-		
Acrolein ND 5 ug/l 10/06/20 10/06/20 Acrylontrile ND 5 ug/l 10/06/20 10/06/20 Ally chorder (TLC) ND 5 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Tetrachloride ND 1 ug/l 10/06/20 10/06/20 Chloroptenzene ND 1 ug/l 10/06/20 10/06/20 Chloroptenc (TLC) ND 1 ug/l 10/06/20 10/06/20 Chloroptene (TLC) ND 1 ug/l 10/06/20 10/06/20 Dichloroptenene ND <td>Acetonitrile (TIC)</td> <td>ND</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Acetonitrile (TIC)	ND					
AcrylonitrileND5ug/l10/06/2010/06/20Alpl chloride (TIC)ND5ug/l10/06/2010/06/20BenzeneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20BromochloromethaneND1ug/l10/06/2010/06/20Carbon TerachlorideND1ug/l10/06/2010/06/20ChlorobenzeneND1ug/l10/06/2010/06/20ChlorobenzeneND1ug/l10/06/2010/06/20Chloroptene (TIC)ND1ug/l10/06/2010/06/20Chloroptene (TIC)ND1ug/l10/06/2010/06/20Dichloroptene (TIC)ND1ug/l10/06/2010/06/20DichloroptheneND1ug/l10/06/2010/06/20DichloroptheneND1ug/l10/06/2010/06/20DichloroptheneND1ug/l10/06/2010/06/20DichloropthueND1ug/l10/06/2010/06/20DichloropthueND1ug/l10/06/2010/06/20Statuty Alcohol (TIC)ND20ug/l10/06/2010/06/20<							
ND 5 ug/l 10/06/20 10/06/20 Benzene ND 1 ug/l 10/06/20 10/06/20 Bromochioromethane ND 1 ug/l 10/06/20 10/06/20 Bromochioromethane ND 1 ug/l 10/06/20 10/06/20 Bromochioromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Disulfide ND 1 ug/l 10/06/20 10/06/20 Carbon Tetrachloride ND 1 ug/l 10/06/20 10/06/20 Chorobenzene ND 1 ug/l 10/06/20 10/06/20 Chorobenzene ND 1 ug/l 10/06/20 10/06/20 Choroben ND 1 ug/l 10/06/20 10/06/20 Chorobene ND 1 ug/l 10/06/20 10/06/20 Chorobene ND 1 ug/l 10/06/20 10/06/20 Chorobene ND 1 ug/l 10/06/	Acrvlonitrile						
Barzene ND 1 ug/l 10/06/20 10/06/20 Bromochloromethane ND 1 ug/l 10/06/20 10/06/20 Carbon Tetrachloride ND 1 ug/l 10/06/20 10/06/20 Chlorobenzene ND 1 ug/l 10/06/20 10/06/20 Sish 3-Dichlorobenene ND 1 ug/l 10/06/20 10/06/20 Dichloromethane							
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Results: Volatile Organic Compounds (Continued)

Sample: OW-17 (Continued) Lab Number: 0J01021-05 (Water)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
1,2-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
1,4-Dichlorobenzene	ND		1	ug/l	10/06/20	10/06/20
Propionitrile (TIC)	ND		20	ug/l	10/06/20	10/06/20
Styrene	ND		1	ug/l	10/06/20	10/06/20
Tetrachloroethene	ND		1	ug/l	10/06/20	10/06/20
Methyl t-butyl ether (MTBE)	ND		1	ug/l	10/06/20	10/06/20
Toluene	ND		1	ug/l	10/06/20	10/06/20
trans-1,2-Dichloroethene	ND		1	ug/l	10/06/20	10/06/20
trans-1,3-Dichloropropene	ND		1	ug/l	10/06/20	10/06/20
trans-1,4-Dichloro-2-Butene (TIC)	ND		5	ug/l	10/06/20	10/06/20
Trichloroethene	ND		1	ug/l	10/06/20	10/06/20
Trichlorofluoromethane	ND		1	ug/l	10/06/20	10/06/20
Vinyl acetate (TIC)	ND		5	ug/l	10/06/20	10/06/20
Vinyl Chloride	ND		1	ug/l	10/06/20	10/06/20
Total xylenes	ND		2	ug/l	10/06/20	10/06/20
Surrogate(s)	Recovery%		Limi	ts		
Toluene-d8	97.7%		70-1	30	10/06/20	10/06/20
1,2-Dichloroethane-d4	101%		70-1	30	10/06/20	10/06/20
4-Bromofluorobenzene	90.8%		70-1	30	10/06/20	10/06/20

Quality Control

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
			-							
Batch: B0J0115 - Metals D	igestion Waters									
Blank (B0J0115-BLK1)					Prepared 8	& Analyzed: 1	0/02/20			
Vanadium	ND		0.0005	mg/L						
Copper	ND		0.001	mg/l						
Antimony	ND		0.0001	mg/L						
Silver	ND		0.0001	mg/L						
Cobalt	ND		0.0001	mg/L						
Cadmium	ND		0.0001	mg/L						
Nickel	ND		0.001	mg/l						
Selenium	ND		0.005	mg/L						
Chromium	ND		0.0001	mg/L						
Tin	ND		0.005	mg/l						
Thallium	ND		0.0001	mg/L						
Beryllium	ND		0.0001	mg/L						
Barium	ND		0.001	mg/l						
Zinc	ND		0.001	mg/l						
Arsenic	ND		0.0001	mg/L						
Lead	ND		0.0001	mg/L						
LCS (B0J0115-BS2)					Prepared 8	Analyzed: 1	0/02/20			
Antimony	0.0201		0.0001	mg/L	0.0200		101	85-115		
Tin	0.022		0.005	mg/l	0.0200		110	85-115		
Zinc	0.202		0.001	mg/l	0.200		101	85-115		
Selenium	0.020		0.005	mg/L	0.0200		97.9	85-115		
Nickel	0.199		0.001	mg/l	0.200		99.7	85-115		
Copper	0.211		0.001	mg/l	0.200		105	85-115		
Cobalt	0.0199		0.0001	mg/L	0.0200		99.3	85-115		
Cadmium	0.0196		0.0001	mg/L	0.0200		97.8	85-115		
Beryllium	0.0203		0.0001	mg/L	0.0200		102	85-115		
Vanadium	0.0198		0.0005	mg/L	0.0200		99.1	85-115		
Thallium	0.0200		0.0001	mg/L	0.0200		100	85-115		
Barium	0.203		0.001	mg/l	0.200		102	85-115		
Arsenic	0.0189		0.0001	mg/L	0.0200		94.6	85-115		
Silver	0.0193		0.0001	mg/L	0.0200		96.5	85-115		
Chromium	0.0200		0.0001	mg/L	0.0200		100	85-115		
Lead	0.0200		0.0001	mg/L	0.0200		99.8	85-115		

				Control inued)						
Total Metals (Continued)										
			Reporting		Spike	Source		%REC		RPD
Analyte	Result	Qual	Limit	Units	Level	Result	%REC	Limits	RPD	Limit
Batch: B0J0154 - Metals Cold-Va	por Mercul	ry								
Blank (B0J0154-BLK1)					Prepared 8	& Analyzed: 1	0/03/20			
Mercury	ND		0.0002	mg/L						
LCS (B0J0154-BS1)					Prepared 8	& Analyzed: 1	0/03/20			
Mercury	0.0010		0.0002	mg/L	0.00100		104	85-115		

				Control inued)						
Volatile Organic Compounds Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B0J0272 - Purge-Trap										
Blank (B0J0272-BLK1)					Prepared a	& Analyzed: 1	0/06/20			
1,1,1,2-Tetrachloroethane	ND		1	ug/l						
1,1,1-Trichloroethane	ND		1	ug/l						
1,1,2,2-Tetrachloroethane	ND		1	ug/l						
1,1,2-Trichloroethane	ND		1	ug/l						
1,1-Dichloroethane	ND		1	ug/l						
1,1-Dichloroethene	ND		1	ug/l						
1,1-Dichloropropene	ND		1	ug/l						
1,2,3-Trichloropropane	ND		1	ug/l						
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/l						
1,2-Dibromoethane (EDB)	ND		1	ug/l						
1,2-Dichloroethane	ND		1	ug/l						
1,2-Dichloropropane	ND		1	ug/l						
1,3-Dichloropropane	ND		1	ug/l						
2,2-Dichloropropane	ND		1	ug/l						
2-Hexanone	ND		5	ug/l						
4-Methyl-2-pentanone	ND		5	ug/l						
Acetone	ND		5	ug/l						
Acetonitrile (TIC)	ND		5	ug/l						
Acrolein	ND		5	ug/l						
Acrylonitrile	ND		5	ug/l						
Allyl chloride (TIC)	ND		5	ug/l						
Benzene	ND		1	ug/l						
Bromochloromethane	ND		1	ug/l						
Bromodichloromethane	ND		1	ug/l						
Bromoform	ND		1	ug/l						
Carbon Disulfide	ND		1	ug/l						
Carbon Tetrachloride	ND		1	ug/l						
Chlorobenzene	ND		1	ug/l						
Chloroethane	ND		1	ug/l						
Chloroform	ND		1	ug/l						
Chloroprene (TIC)	ND		1	ug/l						
cis-1,2-Dichloroethene	ND		1	ug/l						
cis-1,3-Dichloropropene	ND		1	ug/l						
Dibromochloromethane	ND		1	ug/l						
Dichlorodifluoromethane	ND		1	ug/l						
Ethyl Methacrylate (TIC)	ND		5	ug/l						
Ethylbenzene	ND		1	ug/l						
Isobutyl Alcohol (TIC)	ND		20	ug/l						
Isodrin (TIC)	ND		5	ug/l						
1,3-Dichlorobenzene	ND		1	ug/l						
Methacrylonitrile (TIC)	ND		10	ug/l						
Bromomethane	ND		1	ug/l						
Chloromethane	ND		1	ug/l						
2-Butanone	ND		5	ug/l						
Methyl iodide (TIC)	ND		5	ug/l						
Methylmethacrylate (TIC)	ND		10	ug/l						
Dibromomethane	ND		1	ug/l						
Methylene Chloride	ND		1	ug/l						
1,2-Dichlorobenzene	ND		1	ug/l						
1,4-Dichlorobenzene	ND		1	ug/l						
Propionitrile (TIC)	ND		20	ug/l						
Styrene	ND		1	ug/l						
Tetrachloroethene	ND		1	ug/l						
Methyl t-butyl ether (MTBE)	ND		1	ug/i ug/i						
Toluene	ND		1							
trans-1,2-Dichloroethene	ND		1	ug/l						
				ug/l						
trans-1,3-Dichloropropene	ND		1	ug/l					Page	24 of 2

Quality Control (Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B0J0272 - Purge-Trap (
	ueu)				Drepared	δnaluzade 1	1/06/20			
Blank (B0J0272-BLK1) trans-1,4-Dichloro-2-Butene (TIC)	ND		F	110/	riepared (& Analyzed: 10	0,00/20			
trans-1,4-Dichloro-2-Butene (TIC) Trichloroethene	ND ND		5 1	ug/l						
Trichlorofluoromethane	ND			ug/l						
			1	ug/l						
Vinyl acetate (TIC) Vinyl Chloride	ND ND		5 1	ug/l						
				ug/l						
Total xylenes	ND		2	ug/l						
Surrogate: Toluene-d8			49.0	ug/l	50.0		97.9	70-130		
Surrogate: 1,2-Dichloroethane-d4			48.2	ug/l	50.0		96.3	70-130		
Surrogate: 4-Bromofluorobenzene			46.5	ug/l	50.0		93.0	70-130		
LCS (B0J0272-BS1)					Prepared 8	& Analyzed: 10	0/06/20			
1,1,1,2-Tetrachloroethane	48			ug/l	50.0		95.9	70-130		
1,1,1-Trichloroethane	46			ug/l	50.0		91.7	70-130		
1,1,2,2-Tetrachloroethane	28			ug/l	50.0		55.1	70-130		
1,1,2-Trichloroethane	46			ug/l	50.0		91.6	70-130		
1,1-Dichloroethane	48			ug/l	50.0		96.6	70-130		
1,1-Dichloroethene	48			ug/l	50.0		95.3	70-130		
1,1-Dichloropropene	46			ug/l	50.0		91.2	70-130		
1,2,3-Trichloropropane	44			ug/l	50.0		88.9	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	37			ug/l	50.0		73.9	70-130		
1,2-Dibromoethane (EDB)	46			ug/l	50.0		91.2	70-130		
1,2-Dichloroethane	49			ug/l	50.0		98.4	70-130		
1,2-Dichloropropane	48			ug/l	50.0		96.7	70-130		
1,3-Dichloropropane	47			ug/l	50.0		94.4	70-130		
2,2-Dichloropropane	19			ug/l	50.0		38.9	70-130		
2-Hexanone	35			ug/l	50.0		70.8	70-130		
4-Methyl-2-pentanone	41			ug/l	50.0		82.4	70-130		
Acetone	40			ug/l	50.0		79.5	70-130		
Acrolein	ND		5	ug/l				60-140		
Benzene	48		-	ug/l	50.0		96.9	70-130		
Bromochloromethane	49			ug/l	50.0		98.2	70-130		
Bromodichloromethane	48			ug/l	50.0		95.8	70-130		
Bromoform	43			ug/l	50.0		86.5	70-130		
Carbon Disulfide	47			ug/l	50.0		94.6	70-130		
Carbon Tetrachloride	47			ug/l	50.0		93.1	70-130		
Chlorobenzene	48			ug/l	50.0		96.0	70-130		
Chloroethane	56			ug/l	50.0		113	70-130		
Chloroform	48			ug/l	50.0		95.1	70-130		
cis-1,2-Dichloroethene	48			ug/l	50.0		96.6	70-130		
cis-1,3-Dichloropropene	40			ug/i ug/l	50.0		80.6	70-130		
Dibromochloromethane	46			ug/i ug/i	50.0		92.0	70-130		
Dichlorodifluoromethane	52			ug/l	50.0		105	70-130		
Ethylbenzene	52			ug/i ug/l	50.0		103	70-130		
1,3-Dichlorobenzene	48			-	50.0		96.9	70-130		
Bromomethane	76			ug/l	50.0		90.9 152	70-130		
Chloromethane	55			ug/l	50.0		152	70-130 70-130		
2-Butanone	37			ug/l			74.3	70-130 70-130		
Dibromomethane	51			ug/l	50.0 50.0		74.3 101	70-130 70-130		
	51			ug/l						
Methylene Chloride				ug/l	50.0		104	70-130		
1,2-Dichlorobenzene	49			ug/l	50.0		98.5	70-130		
1,4-Dichlorobenzene	48			ug/l	50.0		96.3	70-130		
Styrene	51			ug/l	50.0		102	70-130		
Tetrachloroethene	46			ug/l	50.0		92.0	70-130		
Methyl t-butyl ether (MTBE)	41			ug/l	50.0		82.7	70-130		
Toluene	47			ug/l	50.0		94.9	70-130		
trans-1,2-Dichloroethene	48			ug/l	50.0		96.9	70-130		
trans-1,3-Dichloropropene	40			ug/l	50.0		79.6	70-130	Page	

Quality Control

(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Reporting Qual Limit	Units	Spike Level	Source Result %	REC	%REC Limits	RPD	RPI Lim
Batch: B0J0272 - Purge-Trap (C	Continued)								
<i>atch: B0J0272 - Purge-Trap</i> (C LCS (B0J0272-BS1)	.onunueu)			Drepared	& Analyzed: 10/06/2	20			
Trichloroethene	62		ua/I	50.0	, , ,	20 125	70-130		
Trichlorofluoromethane	57		ug/l ug/l	50.0		125	70-130		
Vinyl Chloride	60			50.0		121	70-130		
			ug/l	50.0		121			
Surrogate: Toluene-d8		49.7	ug/l	50.0		99.5	70-130		
Surrogate: 1,2-Dichloroethane-d4		48.8	ug/l	50.0		97.6	70-130		
Surrogate: 4-Bromofluorobenzene		49.7	ug/l	50.0	9	99.4	70-130		
LCS Dup (B0J0272-BSD1)				Prepared 8	& Analyzed: 10/06/2	20			
1,1,1,2-Tetrachloroethane	47		ug/l	50.0	9	94.7	70-130	1.18	20
1,1,1-Trichloroethane	45		ug/l	50.0	9	90.8	70-130	0.964	20
1,1,2,2-Tetrachloroethane	27		ug/l	50.0	5	53.4	70-130	3.17	20
1,1,2-Trichloroethane	44		ug/l	50.0	8	38.8	70-130	3.15	20
1,1-Dichloroethane	48		ug/l	50.0	g	96.2	70-130	0.373	20
1,1-Dichloroethene	48		ug/l	50.0	9	95.7	70-130	0.377	20
1,1-Dichloropropene	46		ug/l	50.0		91.4	70-130	0.285	20
1,2,3-Trichloropropane	42		ug/l	50.0		33.2	70-130	6.53	20
1,2-Dibromo-3-chloropropane (DBCP)	35		ug/l	50.0		70.3	70-130	4.91	20
1,2-Dibromoethane (EDB)	44		ug/l	50.0		38.1	70-130	3.43	20
1,2-Dichloroethane	48		ug/l	50.0		95.9	70-130	2.55	20
1,2-Dichloropropane	47		ug/l	50.0		94.7	70-130	2.55	20
1,3-Dichloropropane	47			50.0		91.5	70-130	3.10	2
2,2-Dichloropropane	46		ug/l	50.0 50.0		91.5 86.8	70-130 70-130	5.49	2
	32		ug/l			50.8 54.6			20
2-Hexanone			ug/l	50.0			70-130	9.25	
4-Methyl-2-pentanone	36		ug/l	50.0		72.7	70-130	12.6	20
Acetone	36	_	ug/l	50.0	/	1.0	70-130	11.3	20
Acrolein	28	5	ug/l				60-140	200	20
Benzene	48		ug/l	50.0		96.2	70-130	0.704	2
Bromochloromethane	49		ug/l	50.0		98.5	70-130	0.305	20
Bromodichloromethane	47		ug/l	50.0		94.1	70-130	1.77	20
Bromoform	42		ug/l	50.0		33.6	70-130	3.46	20
Carbon Disulfide	47		ug/l	50.0	9	93.6	70-130	1.06	20
Carbon Tetrachloride	46		ug/l	50.0	9	92.6	70-130	0.517	20
Chlorobenzene	48		ug/l	50.0	9	96.2	70-130	0.229	20
Chloroethane	57		ug/l	50.0	1	115	70-130	1.51	20
Chloroform	47		ug/l	50.0	9	94.5	70-130	0.633	20
cis-1,2-Dichloroethene	48		ug/l	50.0	9	96.4	70-130	0.166	20
cis-1,3-Dichloropropene	40		ug/l	50.0	7	79.4	70-130	1.47	20
Dibromochloromethane	46		ug/l	50.0	9	91.0	70-130	1.09	20
Dichlorodifluoromethane	52		ug/l	50.0	1	104	70-130	0.766	20
Ethylbenzene	51		ug/l	50.0	1	101	70-130	2.15	20
1,3-Dichlorobenzene	48		ug/l	50.0	g	95.1	70-130	1.85	20
Bromomethane	92		ug/l	50.0	1	183	70-130	18.6	2
Chloromethane	56		ug/l	50.0	1	113	70-130	1.81	2
2-Butanone	37		ug/l	50.0	7	74.9	70-130	0.751	2
Dibromomethane	49		ug/l	50.0		97.9	70-130	3.49	2
Methylene Chloride	53		ug/l	50.0		107	70-130	2.83	2
1,2-Dichlorobenzene	49		ug/l	50.0		97.1	70-130	1.43	2
1,4-Dichlorobenzene	49		ug/l	50.0		97.7	70-130	1.36	2
Styrene	51		ug/l	50.0		101	70-130	0.492	2
Tetrachloroethene	45		ug/l	50.0		39.1	70-130	3.25	2
Methyl t-butyl ether (MTBE)	42		ug/l	50.0		33.6	70-130	1.08	20
Toluene	46		ug/l	50.0		92.6	70-130	2.45	20
trans-1,2-Dichloroethene	48		-	50.0		92.0 96.6	70-130	0.289	2
	48 39		ug/l	50.0 50.0		78.5		0.289 1.47	
trans-1,3-Dichloropropene			ug/l				70-130		20 20
Trichloroethene	61		ug/l	50.0		122	70-130	2.24	20
Trichlorofluoromethane	57		ug/l ug/l	50.0		113 122	70-130	0.247	20
Vinyl Chloride	61		110/1	50.0	-		70-130	0.644	20

Quality Control (Continued) Volatile Organic Compounds (Continued) RPD %REC Reporting Spike Source Analyte Result Qual Limit Units Level Result %REC Limits RPD Limit Batch: B0J0272 - Purge-Trap (Continued) LCS Dup (B0J0272-BSD1) Prepared & Analyzed: 10/06/20 Surrogate: Toluene-d8 49.5 ug/l 50.0 99.0 70-130 47.9 50.0 *95.8* Surrogate: 1,2-Dichloroethane-d4 ug/l 70-130 50.0 ug/l *99.5* 70-130 Surrogate: 4-Bromofluorobenzene *49.8*

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

CHAIN OF CUSTODY RECORD			CONTAINERS	I X SCONL NOT X X ZX SCONL HCI					Date/Time Laboratory Remarks: Special Instructions: /*. Date/Time Laboratory Remarks: Ist Snecific Detection /*.	Limit Requirements: Landfill bezeltan	:	Date/Time · Qu-1-20 15:46 * Turnaround (Business Days) Std. · · · /
· · · · · · · · · · · · · · · · · · ·	PROJ NO PROJECT NAMELOCATION 94139.24 TIVER TCN RI	CLIENT PARE CORP. REPORT TO ABARTON @ PARE CORP. COM	SAMPLE LD.	X 0m-7-	 • C1 - C1	V 1050 V CWU-17) Pr	È	Relinquished by (Signature) Date/Time Received for Laboratory by (Signature)

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**

ATTACHMENT 2

Field Sampling Data Sheets, Surface Water and Observation Water Logs

PROJECT NAME: PARE PROJECT NO.:	TIVERTON LANDFILL 94139.01		DATE: WEATHER:	9/28/2020 ~70°F, Partly Cloudy
FIELD TESTING RESULTS	<u>:</u>			
SURFACE WATER LOO	CATION: <u>SW-1</u>			
	READING 1			
pH: SPEC. COND: TEMPERATURE:	<u></u> PH UNITS <u></u> mS/cm <u>N/A</u> °C			
ODOR PRESENT? SAMPLE COLOR	YES NO N/A	N/A		
ADDITIONAL COMMENTS to be dry, no sample was co		es are normally	collected was	observed
SURFACE WATER LOO	Cation: SW-2			
	READING 1			
pH: SPEC. COND: TEMPERATURE:	<u>N/A</u> pH UNITS <u>N/A</u> mS/cm <u>N/A</u> °C			
ODOR PRESENT? SAMPLE COLOR	YES NO N/A	N/A		
ADDITIONAL COMMENTS to be dry, no sample was co		s are normally o	collected was o	bbserved
SURFACE WATER LOO	CATION: <u>SW-3</u>			
	READING 1			
pH: SPEC. COND: TEMPERATURE:	N/A pH UNITS N/A mS/cm N/A °C			
ODOR PRESENT? SAMPLE COLOR	YES NO N/A	N/A		
ADDITIONAL COMMENTS to be dry, no sample was co		es are normally	collected was	observed

PROJECT NAME:	TIVERTON I	ANDFILL		_	DA	9/28/2020			
PROJECT NO.:	94139.24			-	WEA	THER:	~70°F, Ir	ntermittent s	howers
WELL ID:	OW-7				WELL D	DIAMETER (II	NCHES):	2	
PURGE DATA									
DEPTH TO WATER (DTW):	6.91	feet		MEASURE PO	DINT:		Top of	Casing
TOTAL WELL DEPTH		11.80	feet		ELEVATION:			6	7
VOLUME TO PURGE		2.39	gallons						
ACTUAL VOLUME P	URGED:	3.00	gallons		WATER LEVE	L MEASUREN	IENT DEVICE:	Solinst Inter	face Probe
PURGER TYPE:		Peristal	tic Pump						
PURGE RATE (GPM)		1 ±	-						
ELAPSED TIME (MIN	5 ±	-							
FIELD TESTING RE	SULTS								
O ₂ (%) 20.9	1	CO (ppmv)	ND (0)	1				
% LE			H₂S (ppmv)		-				
Total VOCs (ppmv					_				
Time	: 1505	1508	1511	1514	1519	1522			
pH		6.56	6.58	6.60	6.61	6.61			
		0.88	0.84	0.84	0.84	0.83			
Sp.Con. (mS/cm)	. 0.92			16.80	16.90	16.90			

Sample collected at 1530, sample color clear, minimal cloudiness

PROJECT NAME:	TIVERTON L	ANDFILL			DA	TE:		9/28/2020	
PROJECT NO.:	94139.24				WEA	THER:	~70°F, Ir	ntermittent	showers
WELL ID:	OW-9				WELL D	NAMETER (II	NCHES):		2
PURGE DATA									
DEPTH TO WATER (I	-	N/A	_feet		MEASURE PO	DINT:			Casing
TOTAL WELL DEPTH VOLUME TO PURGE		15.54 N/A	_feet		ELEVATION:			12	9.1
ACTUAL VOLUME PI		N/A N/A	_gallons _gallon		WATER LEVE	L MEASUREN	IENT DEVICE:	Solinst Inte	rface Probe
PURGER TYPE:		Perista	ltic Pump						
PURGE RATE (GPM)	:			-					
ELAPSED TIME (MIN									
FIELD TESTING RE	SULTS								
O₂ (% % LE Total VOCs (ppmv	L ND (0)		CO (ppmv) H₂S (ppmv)						
Time	:								
pН									
Sp.Con. (mS/cm)									
Temp (°C)	:								
NOTES:									
Well was dry, no s	sample collec	ted. Gauge	d at 1005						

PROJECT NAME:	TIVERTON I	ANDFILL			DA	TE:		9/28/2020			
PROJECT NO.:	94139.24				WEA	THER:	~70°F, In	~70°F, Intermittent showers			
WELL ID:	OW-12				WELL D	DIAMETER (I	NCHES): 2				
PURGE DATA											
DEPTH TO WATER (I		15.52	feet		MEASURE PO	DINT:			Casing		
TOTAL WELL DEPTH		15.98	feet		ELEVATION:		-	63	.78		
VOLUME TO PURGE		0.22	gallons gallon		WATER LEVE	EL MEASUREN	VENT DEVICE:	Solinst Inte	rface Probe		
PURGER TYPE:			tic Pump								
PURGE RATE (GPM)			1 ±								
ELAPSED TIME (MIN):	2() <u>+</u>								
FIELD TESTING RE	SULTS										
O₂ (% % LE Total VOCs (ppmv	ND (0)		CO (ppmv) H₂S (ppmv)]						
Time	: 1120	1123	1140	1142	1145						
pН	: 6.69	6.68	6.63	6.64	6.63						
Sp.Con. (mS/cm)		0.46	0.46	0.46	0.46						
Temp (°C)		16.00	15.80	15.80	15.70						
	• •	ameters take	• •								
NOTES	no color = p	barameters t	aken during	nand-bailir	1g						
NOTES:											
Sampled at 1200,	sample color	slightly clou	idy, gray								

Well went dry during purging and remaining volume was hand-bailed after allowing well to recharge

	139.24				WEA	THER:	~70°F, Ir	ntermittent	showers	
WELL ID:								~70°F, Intermittent showers		
	OW-13				WELL D	IAMETER (IN	ICHES):	CHES): 2		
PURGE DATA										
DEPTH TO WATER (DTW	· .	7.31	feet		MEASURE PO	DINT:			Casing	
TOTAL WELL DEPTH (DTI VOLUME TO PURGE:	B): -	14.45	feet		ELEVATION:			49	.39	
ACTUAL VOLUME PURGI	ED:	3.49 5.00	gallons gallon		WATER LEVE	L MEASUREM	ENT DEVICE:	Solinst Inte	rface Probe	
PURGER TYPE: PURGE RATE (GPM): ELAPSED TIME (MIN):		0.	tic Pump 1 ±) ±							
FIELD TESTING RESUL	TS									
	20.9 ND (0) ND (0)		CO (ppmv) H₂S (ppmv)]					
Time:	1625	1631	1634	1640	1642					
pH:	6.81	6.74	6.71	6.69	6.69					
Sp.Con. (mS/cm):	1.12	1.09	1.09	1.09	1.09					
Temp (°C):	16.70	16.50	16.50	16.40	16.40					

Sampled at 1645, sample color clear

PROJECT NAME:	TIVERTON L	ANDFILL			DA	TE:	9/28/2020		
PROJECT NO.:	94139.24				WEAT	THER:	~70°F, Ir	itermittent	showers
WELL ID:	OW-14				WELL D	IAMETER (II	NCHES):	2	2
PURGE DATA									
DEPTH TO WATER (I TOTAL WELL DEPTH	(DTB):	N/A 10.70	_feet _feet		MEASURE PC ELEVATION:	DINT:		Top of 86	Casing .13
VOLUME TO PURGE ACTUAL VOLUME PU	-	N/A N/A	_gallons _gallon		WATER LEVE	L MEASUREN	IENT DEVICE:	Solinst Inte	rface Probe
PURGER TYPE: Peristaltic Pump PURGE RATE (GPM): ELAPSED TIME (MIN):									
FIELD TESTING RE	SULTS								
O₂ (% % LEI Total VOCs (ppmv	ND (0)		CO (ppmv) H₂S (ppmv)]				
Time pH Sp.Con. (mS/cm) Temp (°C)	:								
	·								
NOTES:									
Well was dry and	could not be	sampled. (Gauged at 132	20					

PROJECT NAME:	TIVERTON L	ANDFILL			DA	TE:		9/28/2020			
PROJECT NO.:	94139.24				WEA	THER:	~70°F, In	~70°F, Intermittent showers			
WELL ID:	OW-15				WELL D	NAMETER (IN	NCHES):	2	2		
PURGE DATA											
DEPTH TO WATER (I TOTAL WELL DEPTH VOLUME TO PURGE	(DTB):	~16.89 16.90 N/A	_feet _feet _gallons		MEASURE PO ELEVATION:	DINT:	-	Top of 7	Casing 6		
ACTUAL VOLUME PU	JRGED:	N/A	gallons		WATER LEVE	L MEASUREM	IENT DEVICE:	Solinst Inte	rface Probe		
PURGER TYPE: Peristaltic Pump PURGE RATE (GPM): ELAPSED TIME (MIN):											
FIELD TESTING RE	SULTS										
O₂ (% % LEI Total VOCs (ppmv	20.00		CO (ppmv) H₂S (ppmv)	ND (0) ND (0)]						
Time pH Sp.Con. (mS/cm) Temp (°C)	:										
NOTES:											
Small (< 0.1 foot)	amount of wa	ater in well	insufficient t	o collect a s	ample. Atter	npts to purg	ge and collect	t sample			

caused well to go dry. Gauged at 1335

PROJECT NAME:	TIVERTON L	ANDFILL		_	DA	ATE:		9/28/2020		
PROJECT NO.:	94139.24			-	WEA	THER:	~70°F, Ir	ntermittent	showers	
WELL ID:	OW-16				WELL D	DIAMETER (II	NCHES):	CHES): 2		
PURGE DATA										
DEPTH TO WATER (I TOTAL WELL DEPTH VOLUME TO PURGE	(DTB):	9.65 45.80 17.68	feet feet gallons		MEASURE PO	DINT:			Casing 59	
ACTUAL VOLUME PI		18.00	gallons		WATER LEVE	EL MEASUREN	IENT DEVICE:	Solinst Inte	rface Probe	
PURGER TYPE: PURGE RATE (GPM) ELAPSED TIME (MIN	-									
FIELD TESTING RE	SULTS									
O₂ (% % LE Total VOCs (ppmv	L ND (0)		CO (ppmv) H₂S (ppmv)]					
Time	: 1410	1418	1424	1431	1441					
pH		7.10	7.08	7.06	7.07					
Sp.Con. (mS/cm)		1.01	0.92	0.91	0.91					
Temp (°C)	: 19.20	18.80	18.60	18.50	18.50					
NOTES:										

Sampled at 1445, sample color clear

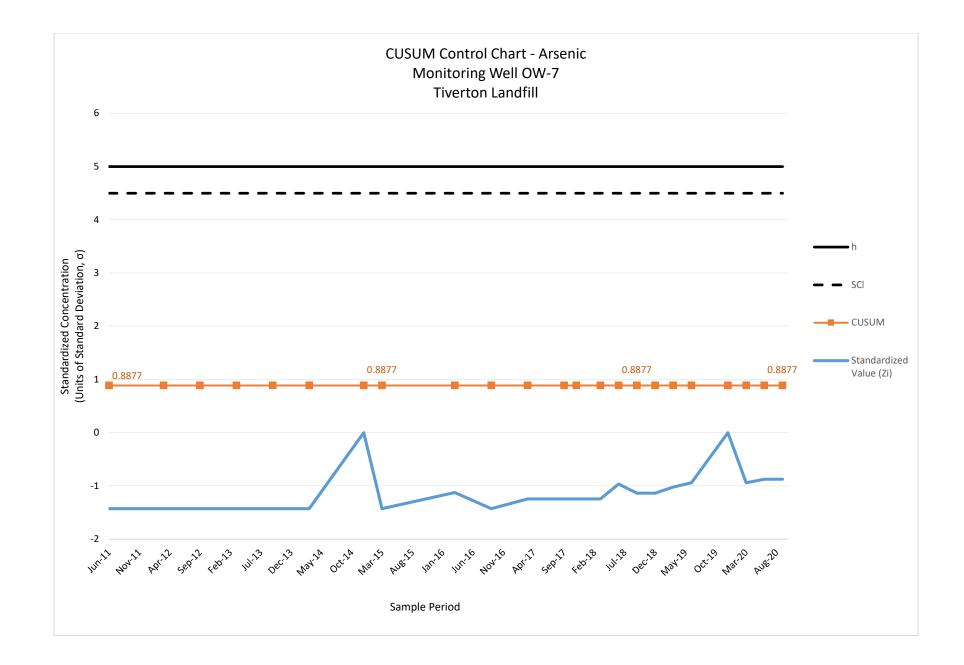
PROJECT NO.: 94139.24 WEATHER: ~70°F, Intermittent showers WELL ID: OW-17 WELL DIAMETER (INCHES): 2 PURGE DATA DEPTH TO WATER (DTW): 15.83 feet MEASURE POINT: Top of Casing TOTAL WELL DEPTH (DTB): 22.23 feet ELEVATION: 137.5 VOLUME TO PURGE: 3.13 gallons ACTUAL VOLUME PURGED: 7.00 gallons ACTUAL VOLUME PURGED: 7.00 gallons WATER LEVEL MEASUREMENT DEVICE: Solinst Interface Pro PURGE RATE (GPM): 0.1 ± ELAPSED TIME (MIN): 20 ± FIELD TESTING RESULTS FIELD TESTING RESULTS 02 (%) 20.9 CO (ppmv) ND (0) % Let ND (0) H2S (ppmv) ND (0)	PROJECT NAME:	TIVERTON L	ANDFILL			DA	TE:		9/28/2020			
PURGE DATA DEPTH TO WATER (DTW): 15.83 feet MEASURE POINT: Top of Casing TOTAL WELL DEPTH (DTB): 22.23 feet ELEVATION: 137.5 VOLUME TO PURGE: 3.13 gallons WATER LEVEL MEASUREMENT DEVICE: Solinst Interface Pro PURGER TYPE: Peristaltic Pump PURGE RATE (GPM): 0.1 ± ELAPSED TIME (MIN): 20 ± FIELD TESTING RESULTS O ₂ (%) 20.9 % LEL ND (0) H ₂ S (ppmv) ND (0)	PROJECT NO.:	94139.24				WEAT	THER:	~70°F, Ir	ntermittent s	howers		
DEPTH TO WATER (DTW): 15.83 feet MEASURE POINT: Top of Casing TOTAL WELL DEPTH (DTB): 22.23 feet ELEVATION: 137.5 VOLUME TO PURGE: 3.13 gallons WATER LEVEL MEASUREMENT DEVICE: Solinst Interface Pro PURGER TYPE: Peristaltic Pump PURGE RATE (GPM): 0.1 ± ELAPSED TIME (MIN): 20 ±	WELL ID:	OW-17	-			WELL D	IAMETER (II	NCHES):	CHES): 2			
TOTAL WELL DEPTH (DTB): 22.23 feetELEVATION: 137.5 VOLUME TO PURGE: 3.13 gallonswATER LEVEL MEASUREMENT DEVICE:Solinst Interface ProACTUAL VOLUME PURGED: 7.00 gallonsWATER LEVEL MEASUREMENT DEVICE:Solinst Interface ProPURGER TYPE:Peristaltic PumpPURGE RATE (GPM): $0.1 \pm$ ELAPSED TIME (MIN): $20 \pm$ FIELD TESTING RESULTS O_2 (%) 20.9 % LELND (0)ND (0)ND (0)	PURGE DATA											
PURGE RATE (GPM): $0.1 \pm$ ELAPSED TIME (MIN): $20 \pm$ FIELD TESTING RESULTS O_2 (%) 20.9 $\%$ LEL ND (0) H_2S (ppmv) ND (0)	TOTAL WELL DEPTH VOLUME TO PURGE	(DTB): :	22.23 3.13	feet gallons		ELEVATION:		IENT DEVICE:	137	7.5		
O2 (%) 20.9 CO (ppmv) ND (0) % LEL ND (0) H2S (ppmv) ND (0) Total VOCs (ppmv) ND (0)	PURGE RATE (GPM):		0.	1 ±								
% LEL ND (0) H₂S (ppmv) ND (0) Total VOCs (ppmv) ND (0)	FIELD TESTING RE	SULTS										
	% LEL	ND (0)]		1]						
Time: 1025 1031 1037 1041 1045 1048	Time	: 1025	1031	1037	1041	1045	1048					
pH: 6.50 5.99 5.97 5.97 5.96 5.94			5.99	5.97	5.97	5.96	5.94					
Sp.Con. (mS/cm): 0.23 0.15 0.14 0.13 0.13 0.13				-								
Temp (°C): 15.10 14.60 14.40 14.40 14.40 14.30	Temp (°C)	: 15.10	14.60	14.40	14.40	14.40	14.30					

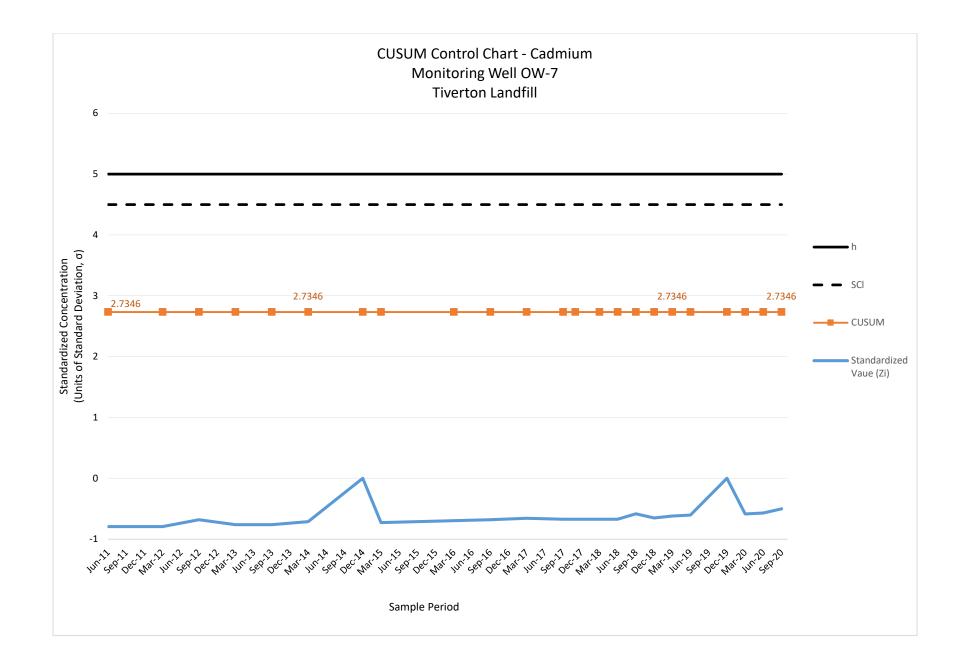
NOTES:

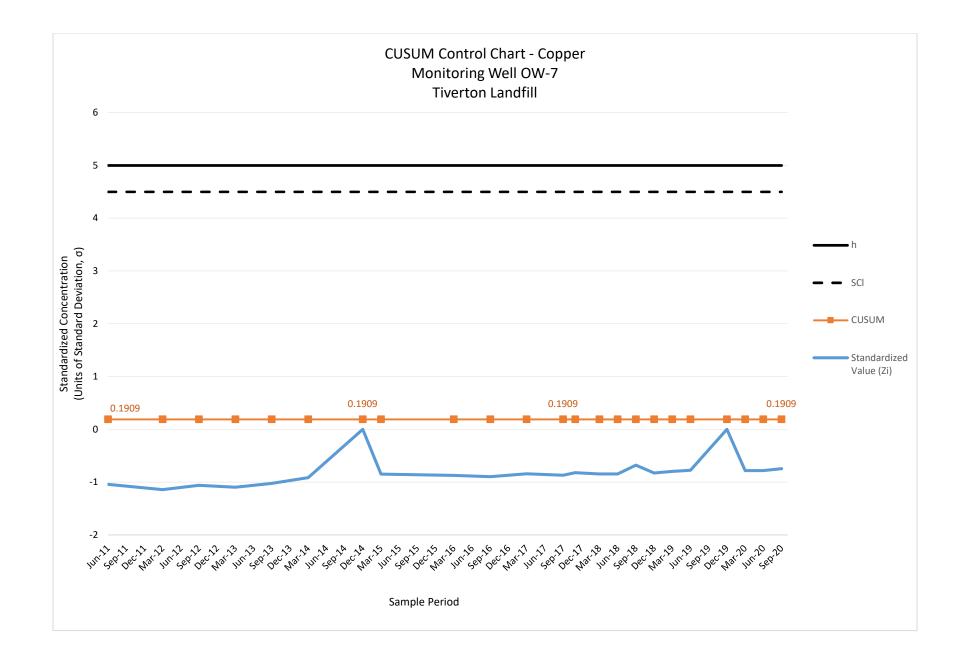
Sampled at 1050, sample slightly cloudy with brown tinge

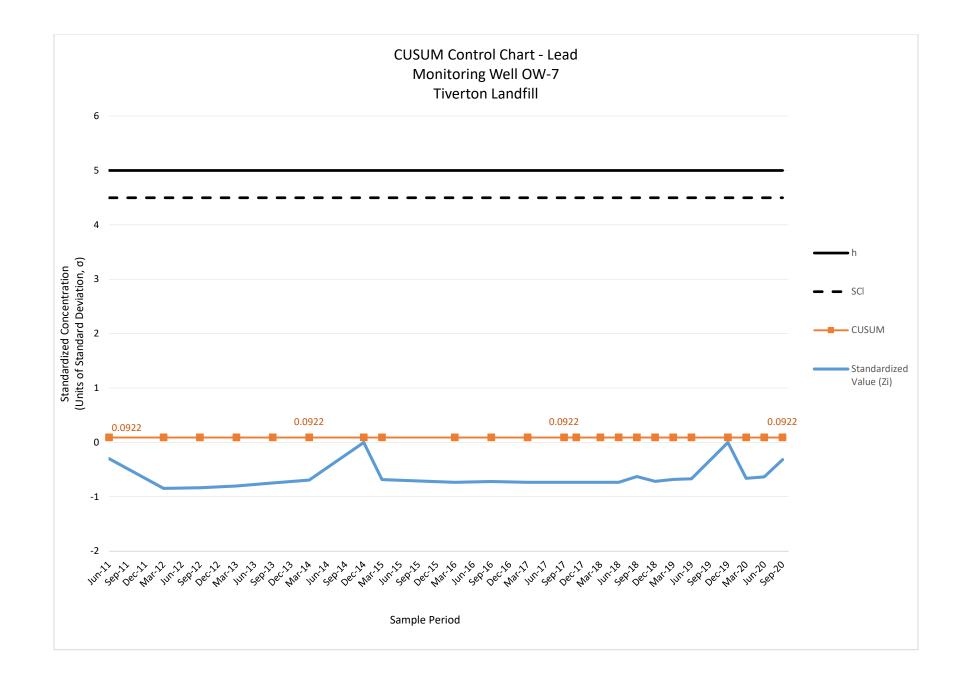
ATTACHMENT 3

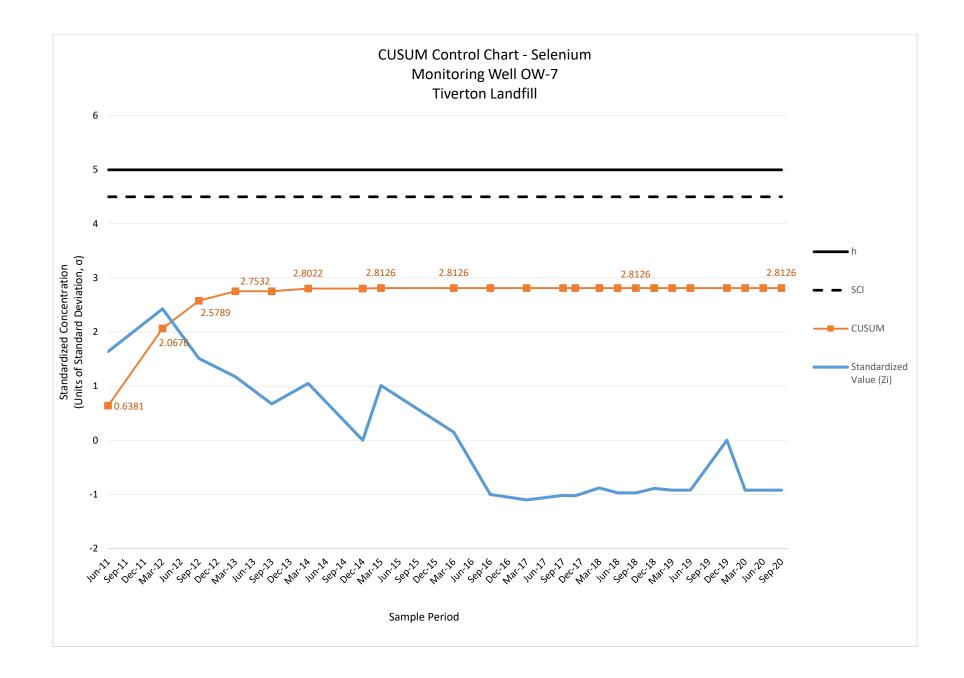
Shewhart/CUSUM Graphs for Inorganic Compounds, Observation Wells

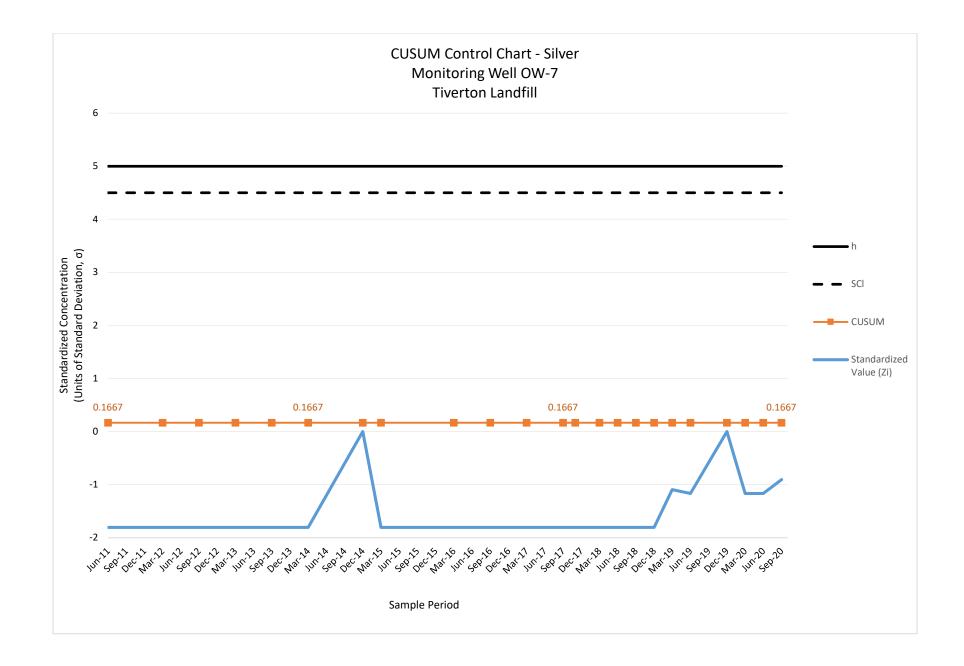


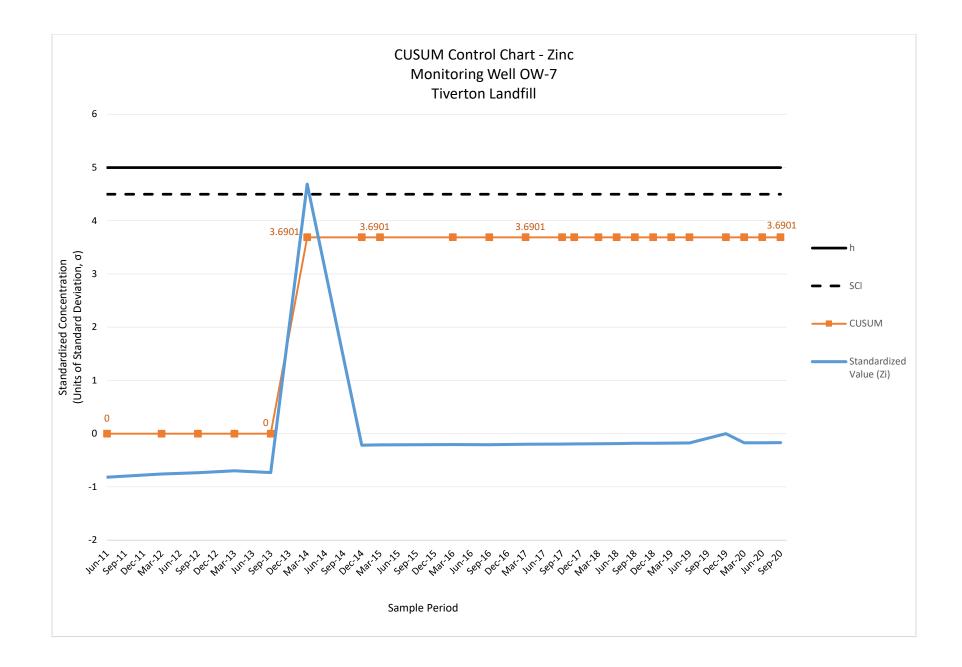


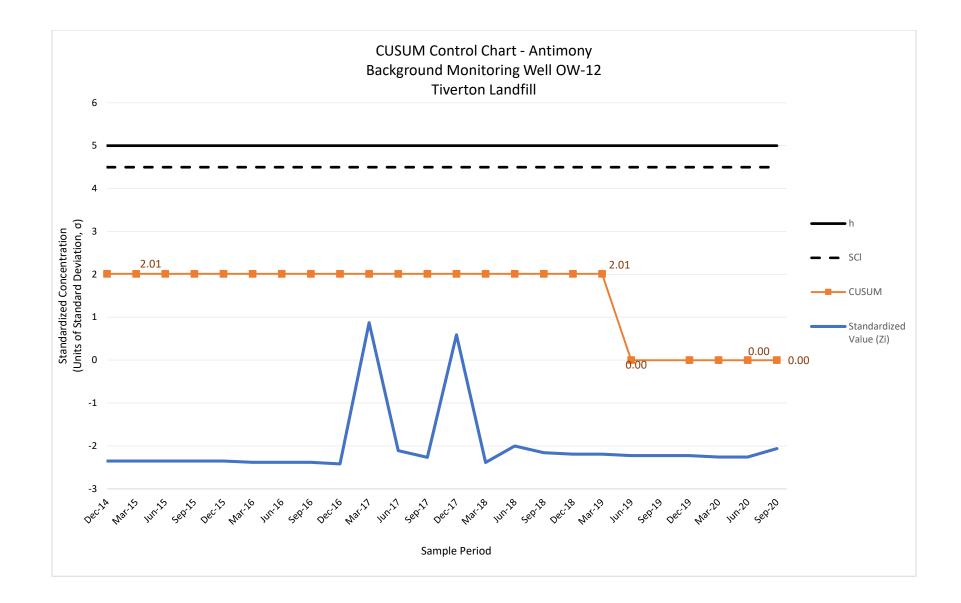


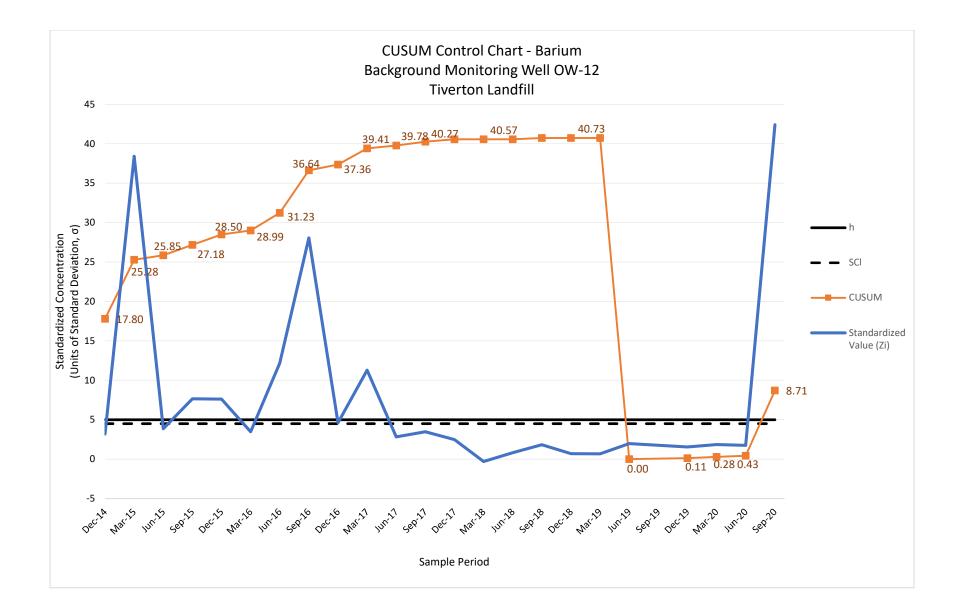


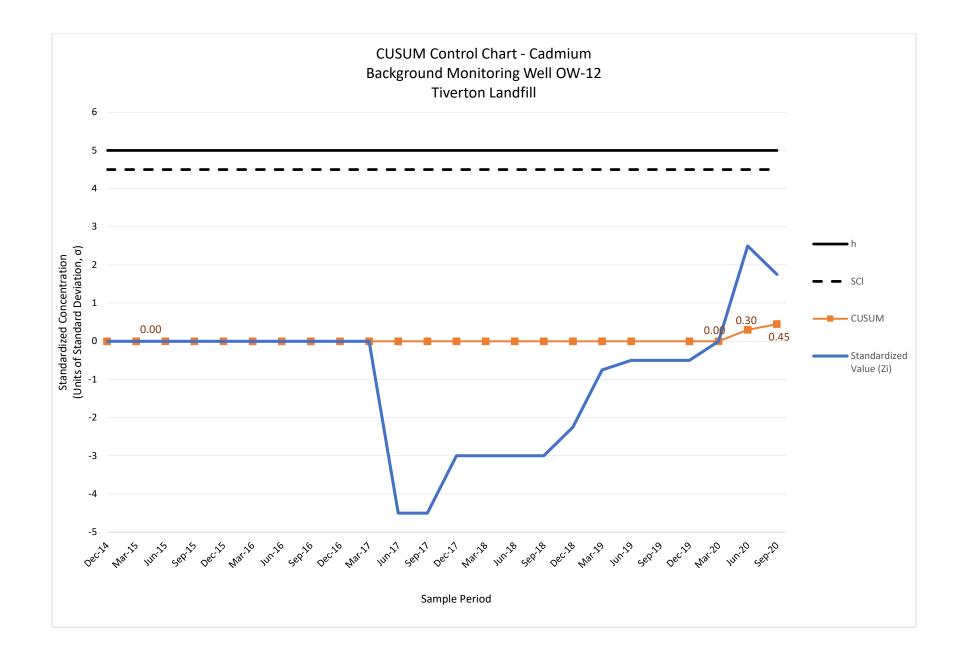


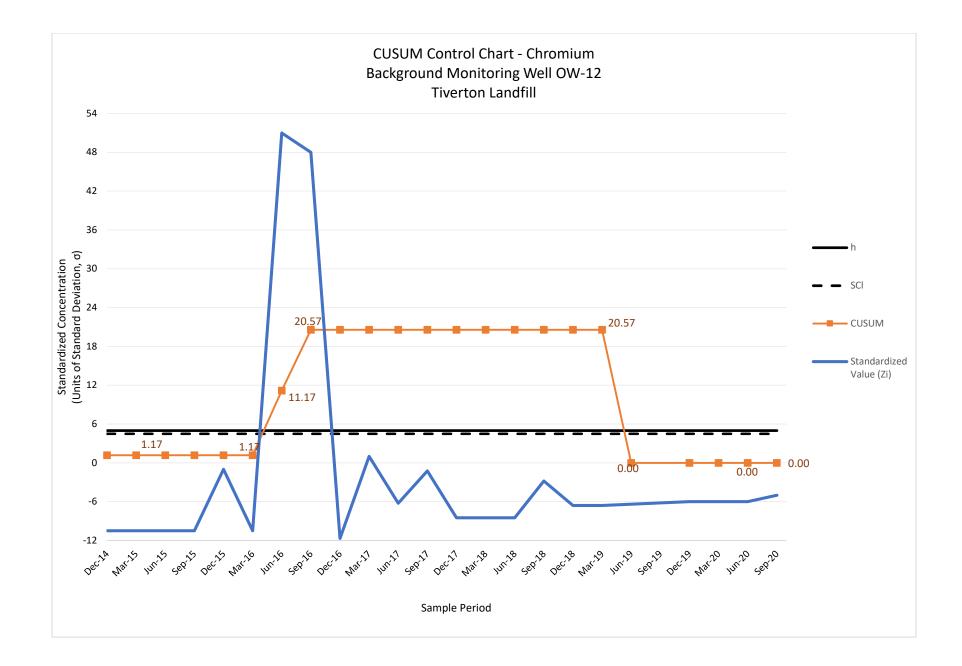


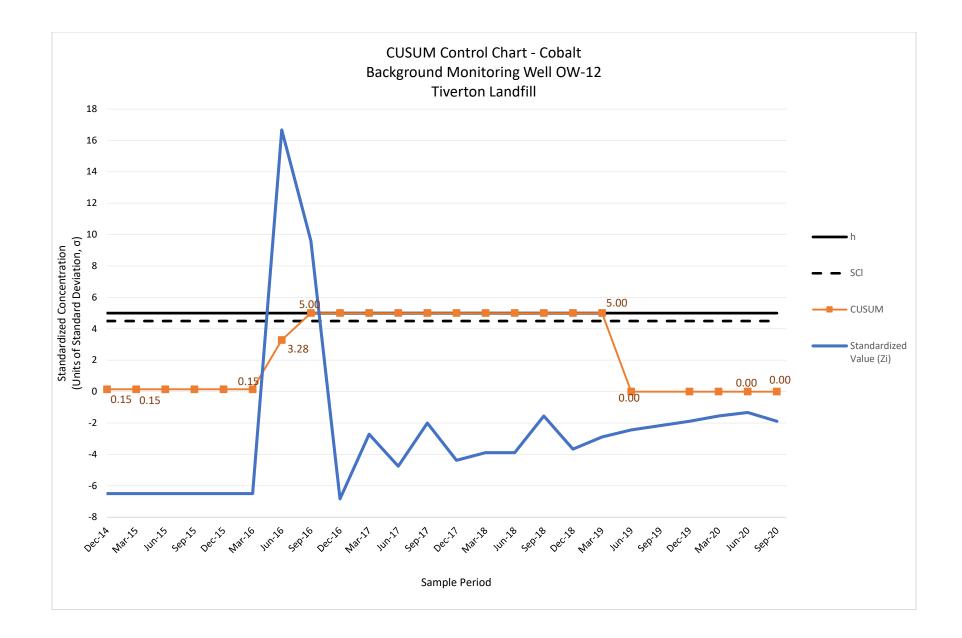


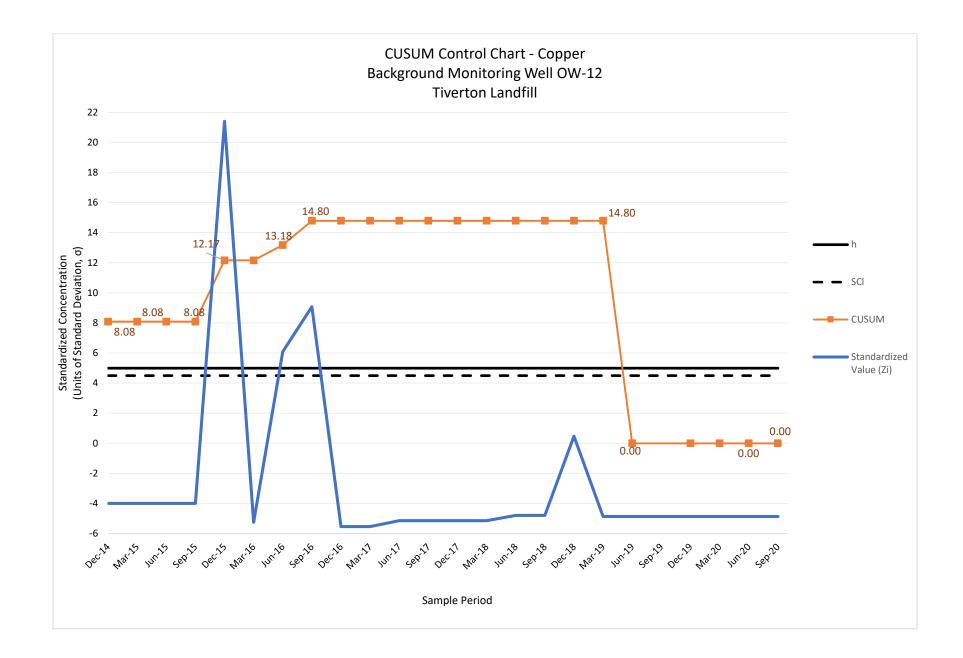


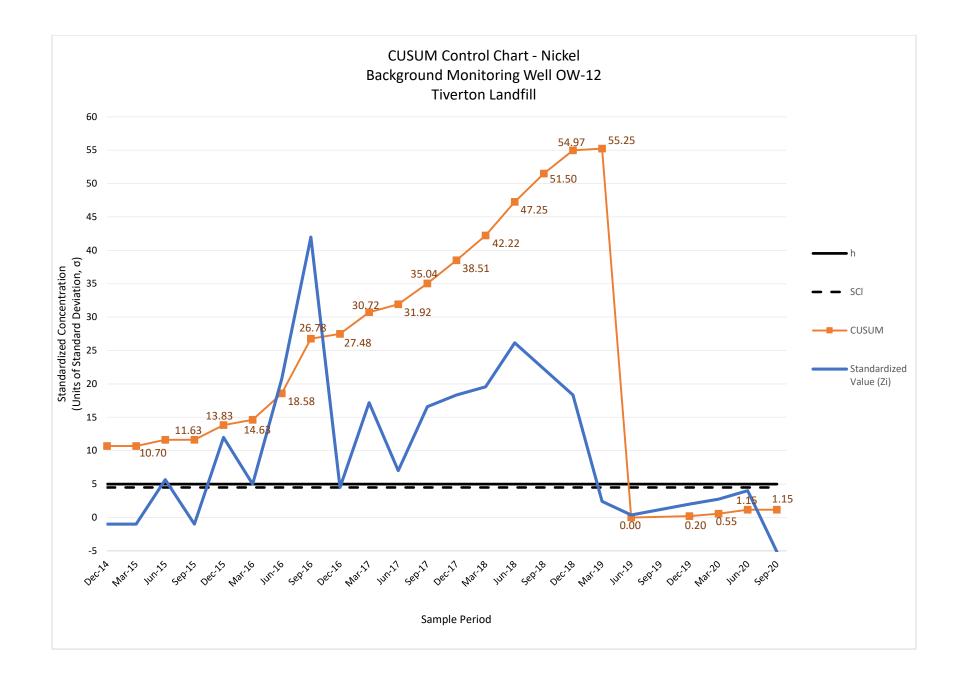


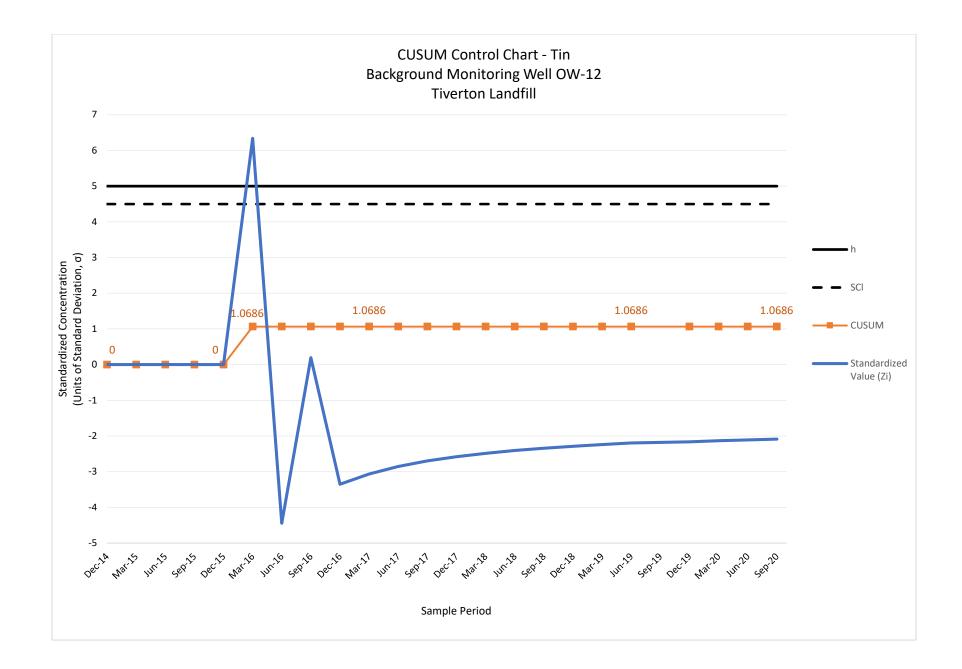


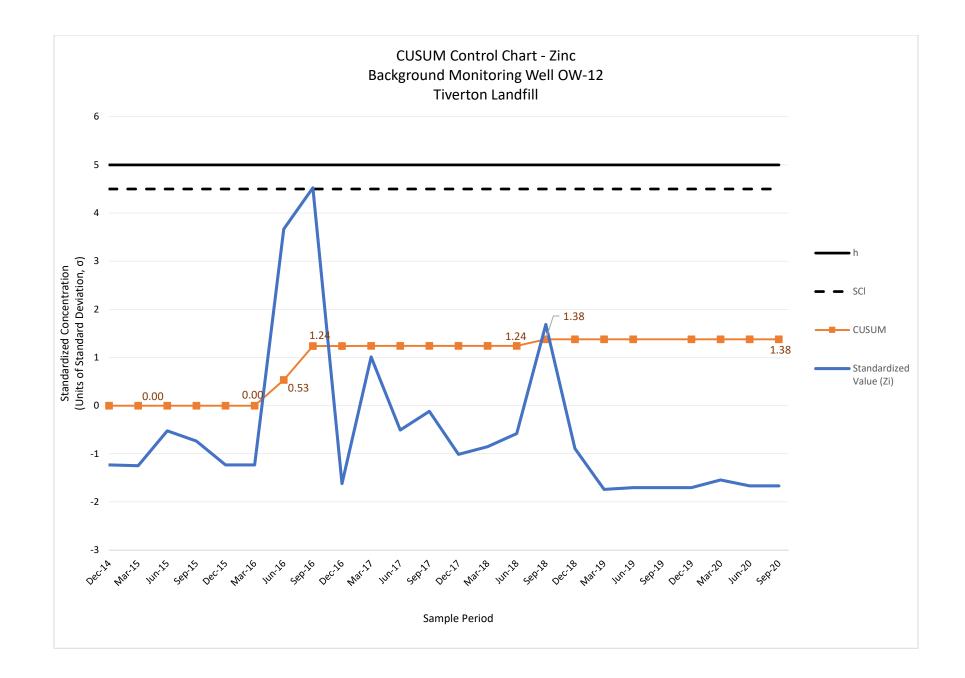


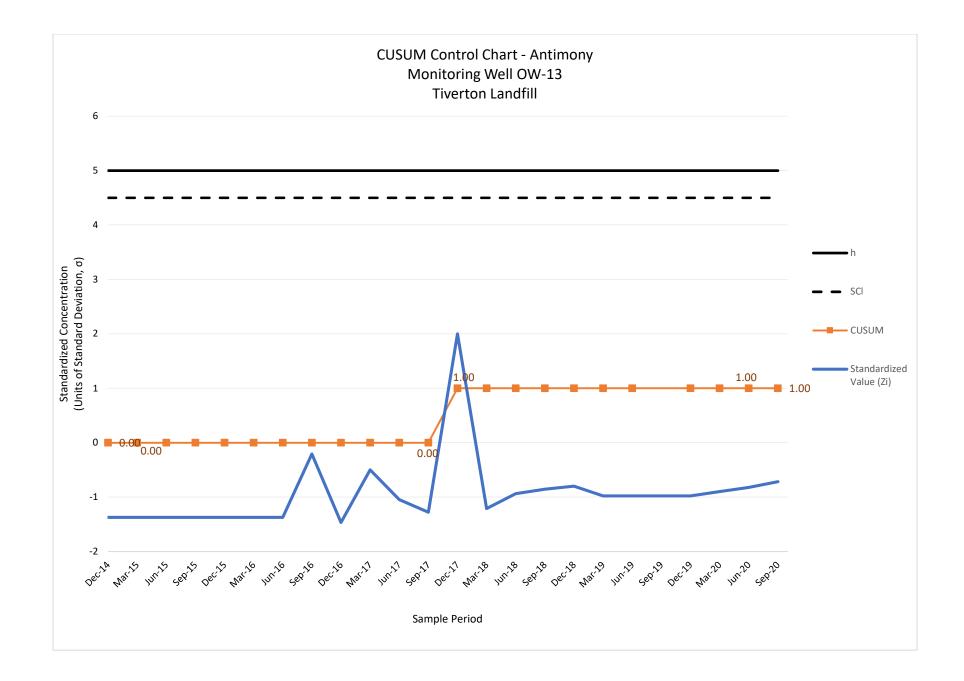


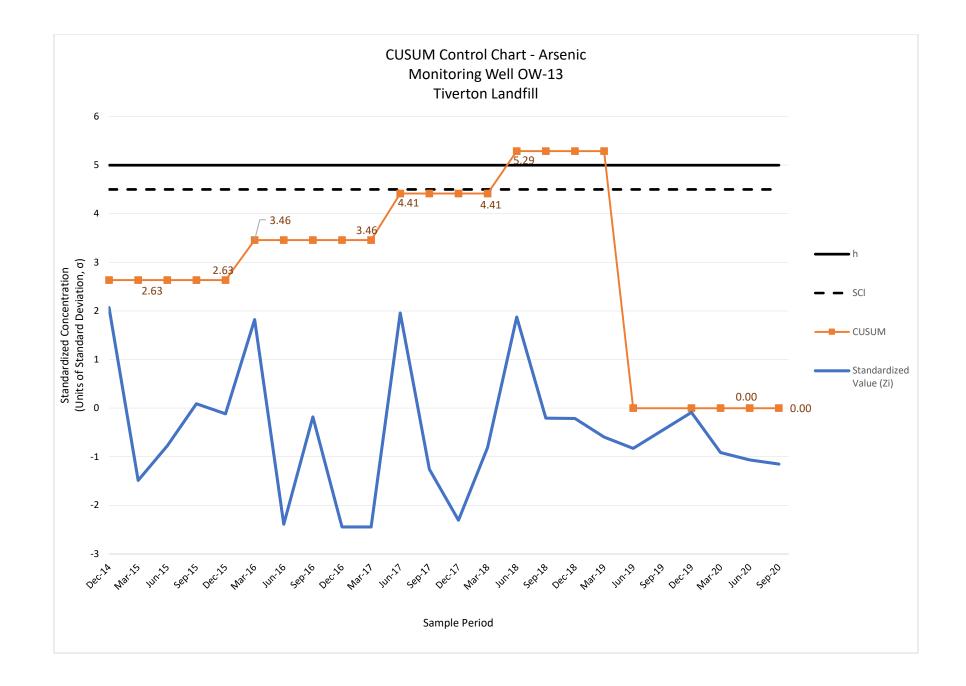


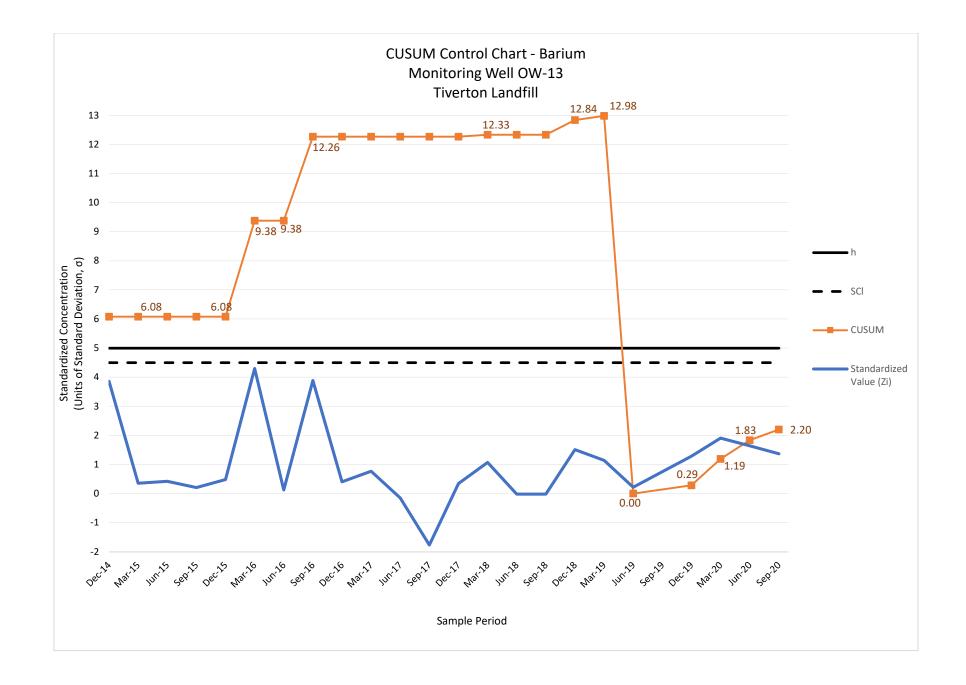


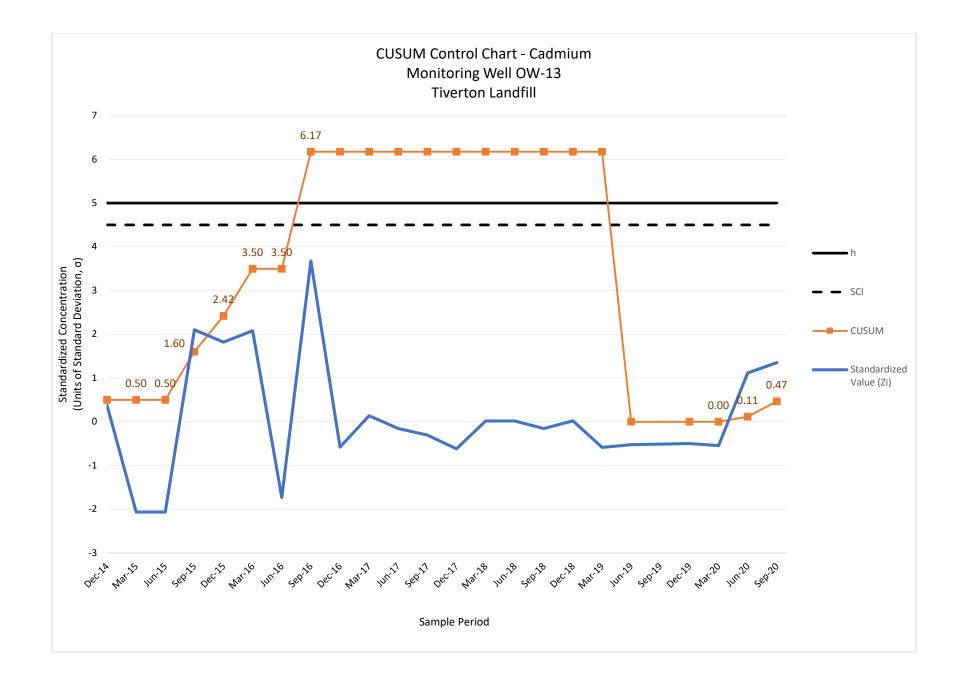


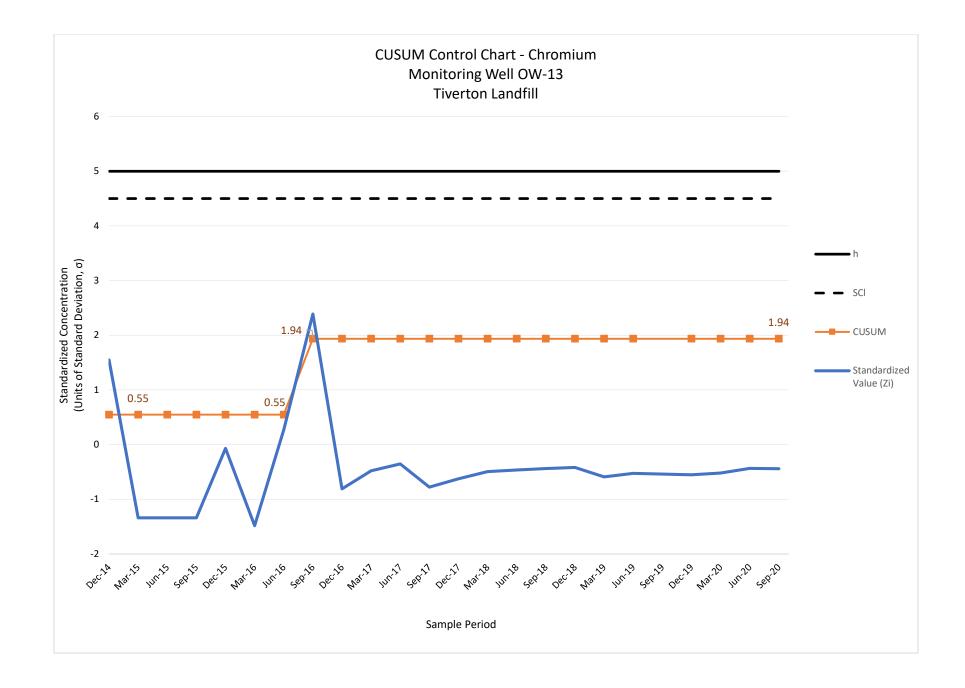


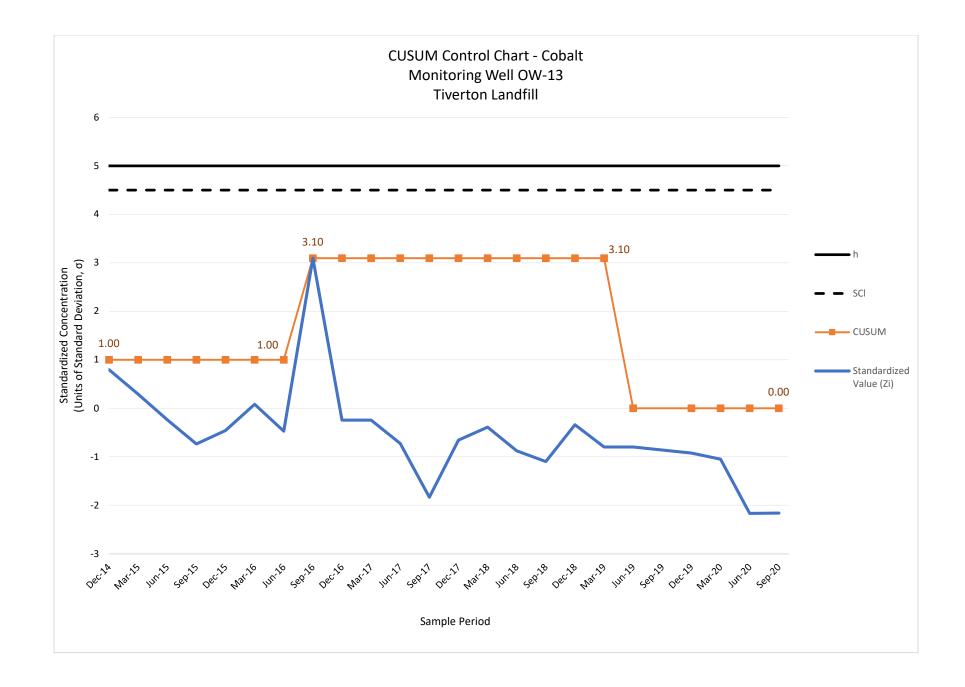


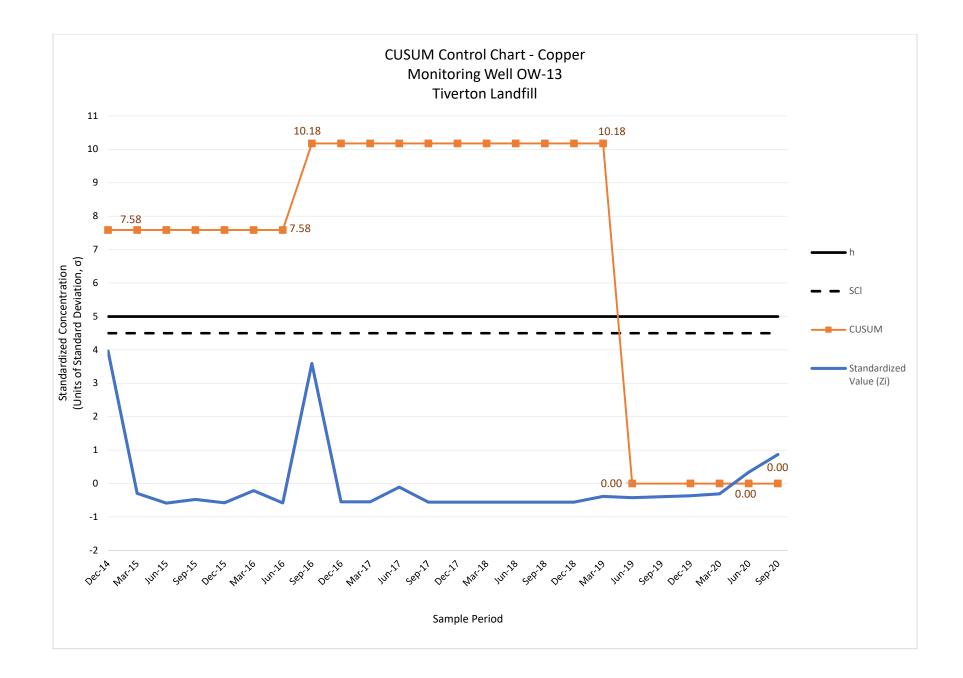


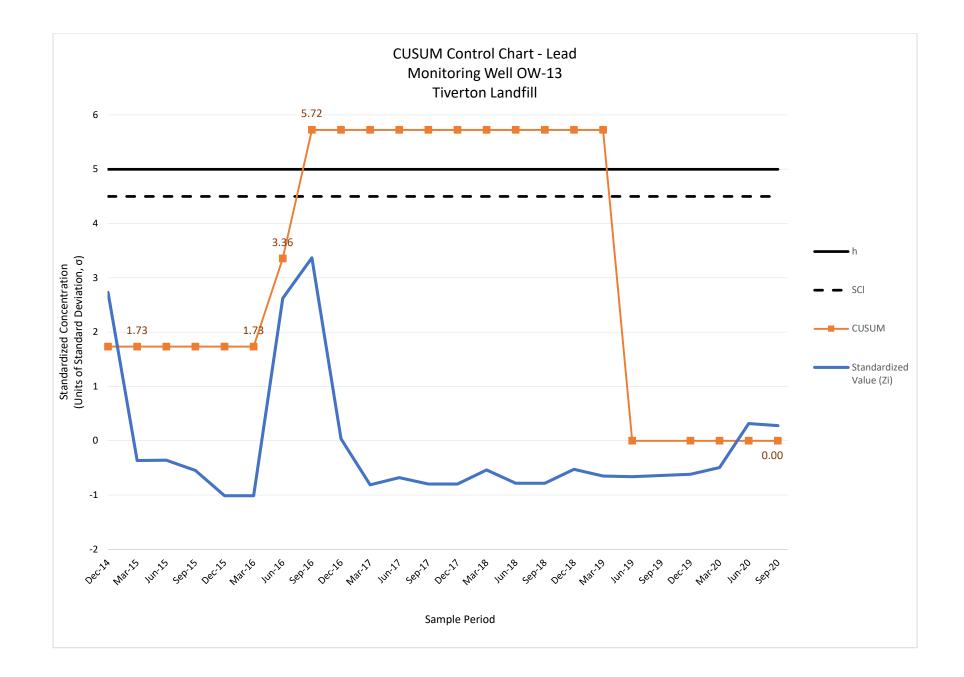


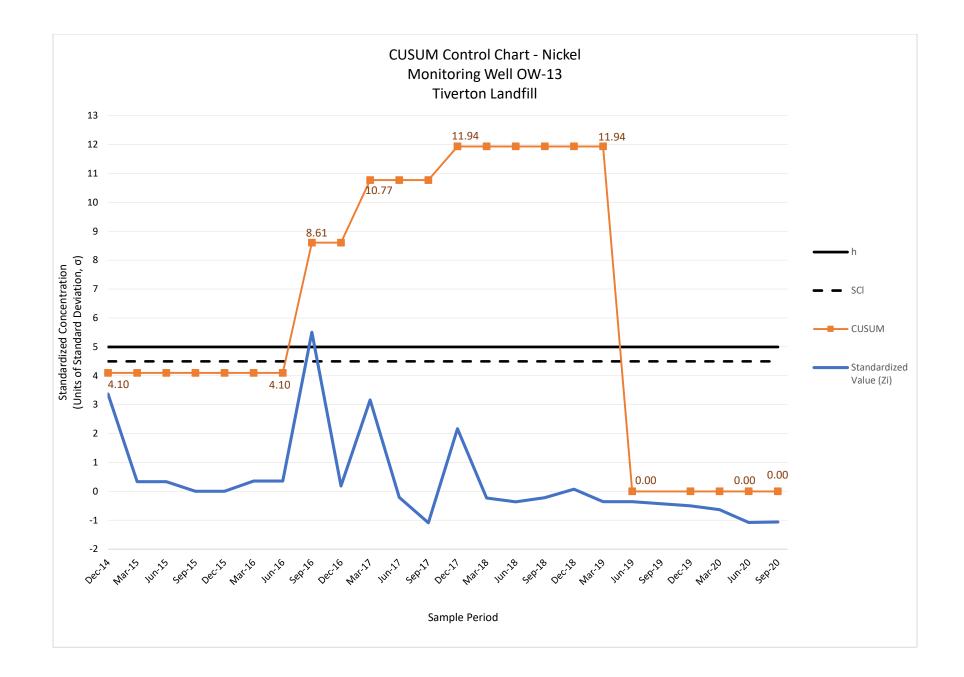


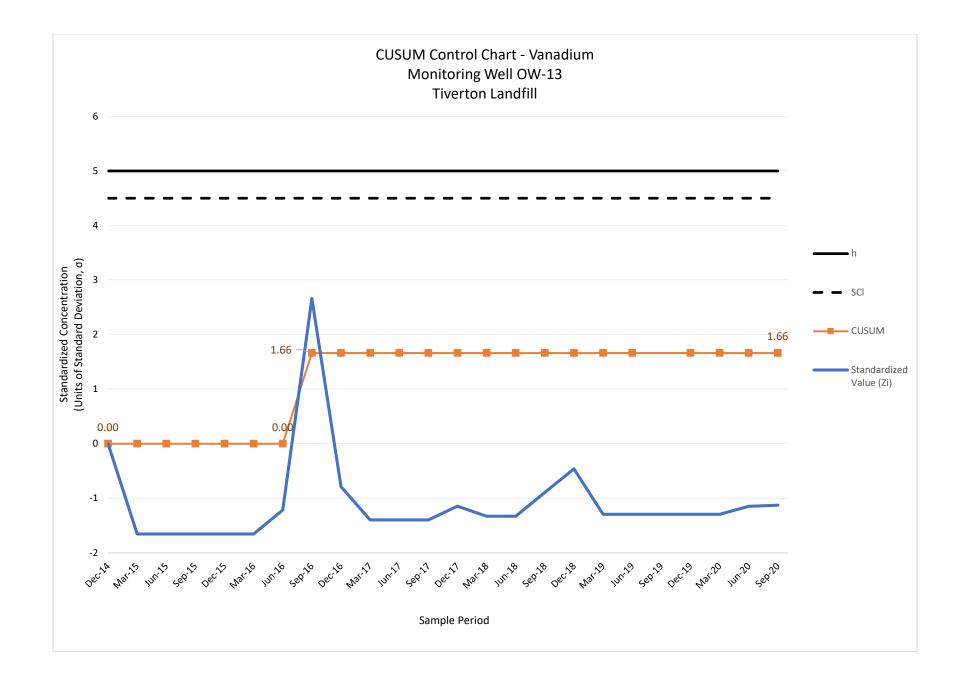


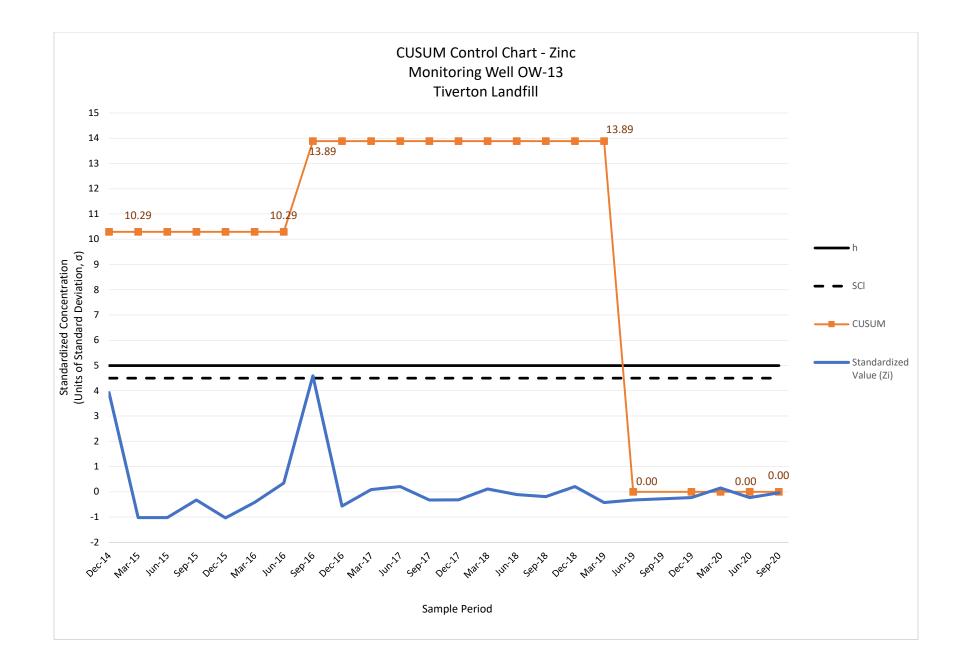












ATTACHMENT 4

July, August and September 2020 Precipitation Data, Tiverton, RI

U.S. Department of Commerce National Oceanic & Atmospheric Administration

National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals 1981-2010 Generated on 10/12/2020 National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

Current Location: Elev: 90 ft. Lat: 41.6268° N Lon: -71.2093° W Station: TIVERTON, RI US USC00377581

Precipitation (in.)

				Precipitation (in.)								
	Totals		Mean Num	Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount								
	Means		Daily Pre	cipitation	Monthly Precipitation vs. Probability Levels							
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75				
01	3.85	12.4	7.3	2.9	0.9	2.44	3.70	5.37				
02	3.77	10.2	6.5	2.8	1.2	2.67	3.39	5.17				
03	5.68	12.4	7.9	3.7	2.1	3.81	5.35	6.60				
04	4.82	12.8	7.2	3.1	1.4	3.13	4.64	5.92				
05	3.64	12.8	8.2	2.2	0.9	2.58	3.23	4.67				
06	3.88	11.8	6.6	2.6	1.4	1.94	2.99	4.74				
07	2.79	9.3	5.9	2.1	0.5	1.50	2.43	4.02				
08	3.80	9.6	5.2	2.2	1.1	2.20	3.81	4.89				
09	3.73	9.2	6.0	2.8	1.6	2.16	3.65	4.59				
10	3.93	10.8	7.0	3.1	1.4	2.43	3.41	5.01				
11	4.33	10.2	6.5	2.7	1.0	2.70	4.18	5.91				
12	4.32	11.8	7.5	2.9	1.5	2.55	4.12	5.56				
Summary	48.54	133.3	81.8	33.1	15.0	30.11	44.90	62.45				

-7777: a non-zero value that would round to zero

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

National Oceanic & Atmospheric Administration

National Environmental Satellite, Data, and Information Service

Current Location: Elev: 126 ft. Lat: 41.5966° N Lon: -71.1656° W Station: TIVERTON 4.4 SSE, RI US US1RINW0017

Record of Climatological Observations These data are quality controlled and may not

Generated on 10/12/2020

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

be identical to the original observations.

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

	M o n t h	-	Те	mperature (I	F)		Precipitation					Evaporation Soil Temperature (F)							
Y		D	24 Hrs. E Observa	Ending at tion Time		24 Ho	ur Amou Observa	unts Ending tion Time	at	At Obs. Time	24 Hour			4 in. Depth			8 in. Depth		
e a r		a y	Max.	Min.	At Obs.	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I g	Snow, Ice Pellets, Hail, Ice on Ground (in)	Wind	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.	
2020	06	01				0.00		0.0											
2020	06	02				0.00		0.0											
2020	06	03				0.03													
2020	06	04				0.00		0.0											
2020	06	05				0.09													
2020	06	06				0.62													
2020	06	07				Т													
2020	06	08				0.00		0.0											
2020	06	09				0.00		0.0											
2020	06	10				0.00		0.0											
2020	06	11				0.45													
2020	06	12				0.00		0.0											
2020	06	13				0.00		0.0											
2020	06	14				0.00		0.0											
2020	06	15				0.00		0.0											
2020	06	16				0.00		0.0											
2020	06	17				0.00		0.0											
2020	06	18				0.00		0.0											
2020	06	19				0.00		0.0											
2020	06	20				0.00		0.0											
2020	06	21				0.00		0.0											
2020	06	22				0.00		0.0											
2020	06	23				0.00		0.0											
2020	06	24				0.00		0.0											
2020	06	25				0.00		0.0											
2020	06	26				0.00		0.0											
2020	06	27				0.54													
2020	06	28				0.00		0.0											
2020	06	29				0.81													
2020	06	30				0.09													
		Summary				2.63		0.0											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

National Oceanic & Atmospheric Administration

National Environmental Satellite, Data, and Information Service

Current Location: Elev: 126 ft. Lat: 41.5966° N Lon: -71.1656° W Station: TIVERTON 4.4 SSE, RI US US1RINW0017

Record of Climatological Observations These data are quality controlled and may not

Generated on 10/12/2020

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

be identical to the original observations.

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

		D a y	Те	mperature (F)			Precipitation			Evapo	ration	Soil Temperature (F)							
Y	M o n t h		24 Hrs. E Observa	Ending at tion Time		24 Ho (ur Amou Observat	unts Ending	at	At Obs. Time	24 Hour			4 in. Depth			8 in. Depth			
e a r			Max.	Min.	At Obs.	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.		
2020	07	01				0.00		0.0												
2020	07	02				0.00		0.0												
2020	07	03				0.00		0.0												
2020	07	04				0.00		0.0												
2020	07	05				0.00		0.0												
2020	07	06				0.00		0.0												
2020	07	07				0.01														
2020	07	08				0.13														
2020	07	09				0.00		0.0												
2020	07	10				0.00		0.0												
2020	07	11				0.00		0.0												
2020	07	12				0.00		0.0												
2020	07	13				0.00		0.0												
2020	07	14				0.06														
2020	07	15				0.00		0.0												
2020	07	16				0.00		0.0												
2020	07	17				0.16														
2020	07	18				0.00		0.0												
2020	07	19				0.00		0.0												
2020	07	20				0.03														
2020	07	21				0.00		0.0												
2020	07	22				0.16														
2020	07	23				0.00		0.0												
2020	07	24				0.00		0.0												
2020	07	25				0.00		0.0												
2020	07	26				0.00		0.0												
2020	07	27				0.00		0.0												
2020	07	28				0.00		0.0												
2020	07	29				0.00		0.0												
2020	07	30				0.00		0.0												
2020	07	31				0.06														
		Summary				0.61		0.0												

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

ontrol tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

National Oceanic & Atmospheric Administration

National Environmental Satellite, Data, and Information Service

Current Location: Elev: 126 ft. Lat: 41.5966° N Lon: -71.1656° W Station: TIVERTON 4.4 SSE, RI US US1RINW0017

Record of Climatological Observations These data are quality controlled and may not

Generated on 10/12/2020

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

be identical to the original observations.

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

	M o n t h	D a y	Те	mperature (F)			Precipitation		011 10/12/2020	Evapo	ration			Soil Temp	erature (F)		
Y			24 Hrs. Ending at Observation Time			24 Ho	ur Amo Observa	unts Ending tion Time	at	At Obs. Time	24 Hour			4 in. Depth			8 in. Depth	
e a r			Max.	Min.	At Obs.	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	Wind	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	08	01				0.00		0.0										
2020	08	02				0.00		0.0										
2020	08	03				0.00		0.0										
2020	08	04				0.21												
2020	08	05				0.00		0.0										
2020	08	06				0.00		0.0										
2020	08	07				0.00		0.0										
2020	08	08				0.00		0.0										
2020	08	09				0.00		0.0										
2020	08	10				0.00		0.0										
2020	08	11				0.00		0.0										
2020	08	12				0.00		0.0										
2020	08	13				0.20												
2020	08	14				0.00		0.0										
2020	08	15				0.00		0.0										
2020	08	16				0.26												
2020	08	17																
2020	08	18				0.14												
2020	08	19				0.06												
2020	08	20				0.00		0.0										
2020	08	21				0.00		0.0										
2020	08	22				0.53												
2020	08	23				0.00		0.0										
2020	08	24				Т												
2020	08	25				0.00		0.0										
2020	08	26				0.00		0.0										
2020	08	27				0.08		0.0										
2020	08	28				0.00		0.0										
2020	08	29				0.09												
2020	08	30				0.00		0.0										
2020	08	31				0.00		0.0										
		Summary				1.57		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

ontrol tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

National Oceanic & Atmospheric Administration

National Environmental Satellite, Data, and Information Service

Current Location: Elev: 126 ft. Lat: 41.5966° N Lon: -71.1656° W Station: TIVERTON 4.4 SSE, RI US US1RINW0017

Record of Climatological Observations These data are quality controlled and may not

National Centers for Environmental Information 151 Patton Avenue Asheville, North Carolina 28801

be identical to the original observations. Generated on 10/12/2020

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

	M o n t h	D a y	Te	mperature (F	F)		Precipitation					ration	Soil Temperature (F)							
Y			24 Hrs. E Observat	Ending at tion Time		24 Ho	ur Amou Observat	unts Ending	at	At Obs. Time	24 Hour			4 in. Depth			8 in. Depth			
e a r			Max.	Min.	At Obs.	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	Wind	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.		
2020	09	01				0.00		0.0												
2020	09	02				0.16														
2020	09	03				0.00		0.0												
2020	09	04				0.09														
2020	09	05				0.00		0.0												
2020	09	06				0.00		0.0												
2020	09	07				0.00		0.0												
2020	09	08				0.00		0.0												
2020	09	09				0.01		0.0												
2020	09	10				0.19														
2020	09	11				Т														
2020	09	12				0.00		0.0												
2020	09	13				0.00		0.0												
2020	09	14				0.00		0.0												
2020	09	15				0.00		0.0												
2020	09	16				0.00		0.0												
2020	09	17				0.00		0.0												
2020	09	18				0.00		0.0												
2020	09	19				0.00		0.0												
2020	09	20				0.00		0.0												
2020	09	21				0.00		0.0												
2020	09	22				0.00		0.0												
2020	09	23				0.00		0.0												
2020	09	24				0.00		0.0												
2020	09	25				0.00		0.0												
2020	09	26				0.00		0.0												
2020	09	27				0.02														
2020	09	28				0.00		0.0												
2020	09	29				0.06														
2020	09	30				0.24														
		Summary				0.77		0.0												

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"At Obs." = Temperature at time of observation

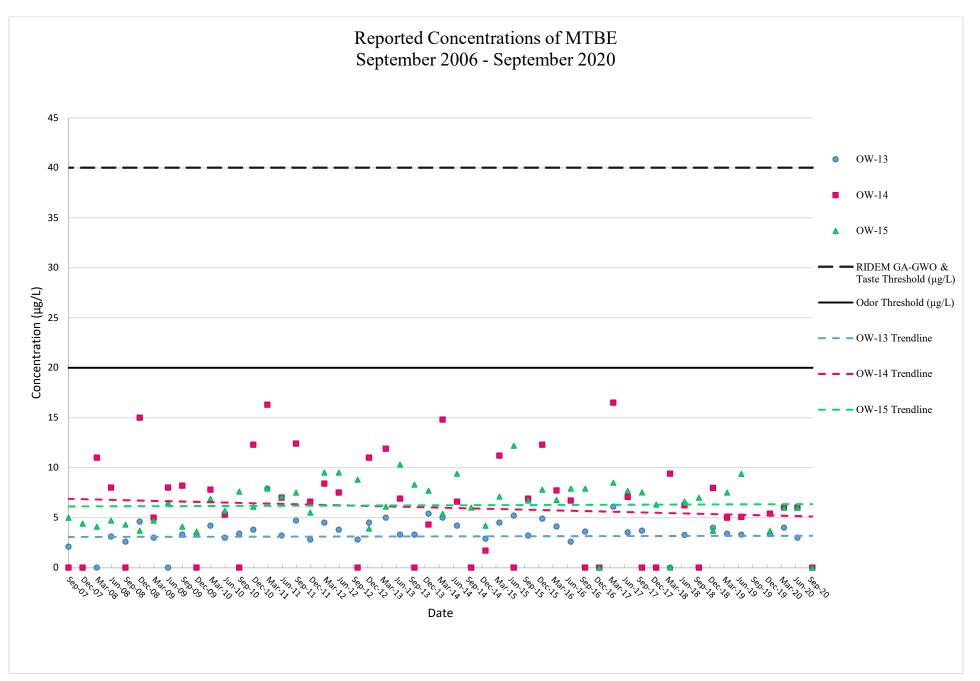
"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

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ATTACHMENT 5

MTBE Historical Concentration Graphs

Graph 1



Graph 2

