

Semi-annual Performance Monitoring Report, Fall 2016 *In-situ* Treatment Using Enhanced Bioremediation

Ekonol Polyester Resins Site,
NYSDEC Voluntary Cleanup Program
Site No. V00653-9
6600 Walmore Road, Wheatfield, NY

Submitted to:

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
270 Michigan Avenue
Buffalo, NY 14203

On behalf of:

Elm Holdings Inc.



Environment

Prepared by:
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Buffalo, NY
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December 2016

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A handwritten signature in black ink, appearing to read "Emily Laity".

Prepared By Emily Laity

A handwritten signature in black ink, appearing to read "James L. Kaczor".

Reviewed By James L. Kaczor, P.G.

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1.0 Introduction

This Fall 2016 Semi-annual Performance Monitoring Report summarizes groundwater monitoring activities and periodic inspections of remedial components completed at the Ekonol Polyester Resins Site (Site), 6600 Walmore Road, Wheatfield, NY (see Figure 1 – Project Location Plan), New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP) Site No. V00653-9.

This report provides the results from Fall 2016 groundwater sampling for the analysis of chlorinated volatile organic compounds (CVOCs), select dissolved inorganics, and natural attenuation parameters conducted from September 23 through 30, 2016, the sub-slab depressurization (SSD) operation, monitoring and maintenance (OM&M) inspection, and the bioreactor trench pavement cover inspection.

The scope of work is defined in the February 2010 NYSDEC-approved “Remedial Action Work Plan (RAWP) for In Situ Treatment Using Enhanced Bioremediation,” the NYSDEC-approved (April 10, 2012) changes to the reporting scope and schedule, and the Site Management Plan (SMP), submitted to the NYSDEC on July 21, 2015.

Figure 2 – Site Plan presents monitoring well locations, injection well locations, performance monitoring well locations, and Site features.

2.0 Bioreactor and Injection / Monitoring Well Inspection

As part of the Fall 2016 event, the pavement surface conditions above the bioreactor trenches were inspected for settlement, and groundwater monitoring well protective casings were inspected for integrity. A site-wide inspection (to be completed at a minimum yearly) was completed in September 2016.

Asphalt patch was used to fill in damaged pavement on the westernmost edge of the engineering control area to the north of INJ-13D (caused by trailer jackstand footpads). AECOM will monitor for additional repair, if necessary. The pavement inspection form and site-wide inspection form are included in Appendix A.

In addition, well headspace concentrations were monitored for methane (lower explosive limit, or "LEL") and hydrogen sulfide vapor concentrations within source area wells in September 2016. Locations that exhibited elevated levels of methane and/or hydrogen sulfide (within the well casings) were documented (see Table 1). In September 2016, each well that exhibited elevated methane and/or hydrogen sulfide levels had a vented plug already installed.

3.0 Sub-slab Depressurization System Operations and Maintenance

During the Fall 2016 sampling event, the SSD system was inspected in accordance with the NYSDEC-approved operations and maintenance plan dated December 5, 2011.

Results of the inspection identified that the system was in proper working order. The inspection included a visual inspection of the system's interior and exterior components, recording of U-tube manometer measurements, and smoke stick testing. Additionally, the system was shut down temporarily to confirm that the audible alarm functions as designed. The September 2016 inspection checklist for the SSD system is included in Appendix A. In September 2016, repairs and maintenance to the sub-slab depressurization system were not needed.

In October 2015, sub-slab vapor samples were collected by Parsons in accordance with the EkonoI SSD Operations, Maintenance, and Monitoring Plan (December 2011) to help determine if cessation of operation of the SSD system is feasible. A sub-slab vapor sample was collected in August 2015 with the SSD system running, and in October 2015 with the SSD system shut down for 24 hours prior. Samples were submitted for volatile organic compound (VOC) analysis using EPA Method TO-15. Sampling results for both events were below method detection limits for all constituents of concern. Summary of the SSD sampling activities and recommendations were provided by Parsons to NYSDEC under letter dated January 26, 2016. The letter requested approval to decommission the SSD; the letter is currently under NYSDEC review.

4.0 Semi-Annual Performance Monitoring

In addition to the OM&M activities discussed above, Fall 2016 semi-annual groundwater sampling was completed September 26 through 30, 2016 in accordance with the submitted SMP (July 2015), approved work plans and previously reported procedures. In addition to monitoring the overall groundwater conditions, performance monitoring was completed to assist in evaluating the effectiveness of the groundwater remediation from the overburden bioreactor and in the bedrock groundwater treatment area.

The Fall 2016 semi-annual groundwater monitoring program included water level measurements at all Site wells, groundwater sampling of 38 wells, and submission of groundwater samples for analysis of chlorinated VOCs and natural attenuation parameters. A copy of the groundwater sampling logs is provided in Appendix B. Quality assurance/quality control (QA/QC) samples, including two field duplicates, two matrix spike/matrix spike duplicate samples, and five trip blanks were also collected and submitted for analysis. Table 2 presents a summary of groundwater sample locations and associated QA/QC samples.

The analytical results for these samples were reviewed for usability with respect to NYSDEC quality assurance and quality control requirements as discussed in the data usability summary report (DUSR) included in Appendix C.

4.1 Groundwater Elevation Measurements

Water levels were measured on September 23, 2016 in the monitoring wells, injection wells, and performance monitoring wells relative to the top of the inner well casing using an electronic water level tape accurate to 0.01 foot (ft). The depth to water was measured in each well from a surveyed point on the casing. The water levels were then converted to elevations presented as feet above mean sea level (ft AMSL, NAVD 88 datum). The groundwater elevations were used to construct groundwater elevation contour maps in both the overburden and bedrock zones. Table 3 provides a summary of the groundwater level measurements and calculated groundwater elevations. Figure 3 presents overburden groundwater contours and Figure 4 presents bedrock groundwater contours. Additional discussion regarding overburden and bedrock groundwater elevations and flow directions is presented in Section 5.1 and Section 6.1, respectively.

4.2 Groundwater Sampling

The locations of the monitoring wells are shown on Figure 2. A list of wells, dates sampled, sample IDs, and purge volumes is provided in Table 4. Wells were sampled following the methodology outlined in the SMP and previously approved work plans. Groundwater sampling logs are provided in Appendix B.

The 38 wells were purged and sampled following low-flow procedures with dedicated tubing and a peristaltic pump. During purging, groundwater was monitored for temperature, specific conductivity, pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity. Table 5 presents a summary of the groundwater sampling field parameter results.

Table 2 presents a summary of scheduled analyses for each well sampled. Samples from each well were analyzed for select CVOCs, including tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (TCA), cis-1,2-dichloroethene (DCE), trans-1,2- DCE, 1,1-DCE, 1,1-dichloroethane (DCA), vinyl chloride (VC), chloroethane and dissolved gases methane, ethane, and ethene,. Samples from 31 of 38 wells were also analyzed for dissolved iron and potassium, and total organic carbon (TOC). Samples for these analyses were shipped under approved chain of custody procedures to TestAmerica Laboratories, Inc (TAL) in North Canton, OH, an approved New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory.

Table 6 provides a summary of sample collection and analysis specifications for each analysis type including sample containers, preservation methods, analytical methods, and other quality control information.

4.3 Investigative Derived Waste Management

Purge water and decontamination water were contained and staged in appropriate containment in new, closed-head 55-gallon drums pending characterization for disposal.. Drums containing potentially hazardous purge water were labeled and stored in accordance with the Site's hazardous waste management plan. Hazardous purge water will be transported in accordance with appropriate regulations and disposed at an appropriately licensed facility(s).

4.4 Data Validation

Analytical results for samples collected September 26 through 30, 2016 were reviewed by AECOM for usability with respect to the following requirements:

- SMP (July 2015),
- NYSDEC Analytical Services Protocol (ASP), and
- USEPA Region II Standard Operating Procedures (SOPs).

The data submitted by the laboratory have been reviewed and validated. All sample analyses were found to be compliant with the method criteria, except as noted within the DUSR. Those results qualified 'R' (rejected) are not usable (see Appendix C - DUSR, Section IV; consists of one VOC sample reported non-detect at the quantitation limit). Those results qualified 'J' (estimated value) or 'UJ' (estimated reporting limit) during the data review are considered conditionally usable. All other sample results are usable as reported. AECOM does not recommend the re-collection of any samples.

5.0 Bioreactor Performance and Monitoring Results

This section presents the most recent concentrations and data trends for the overburden bioreactor and Site overburden wells through the Fall 2016 semi-annual sampling event. Data trends for selected wells are discussed herein. A summary of Fall 2016 analytical data is provided in Table 7. Figures 5A through 5D provide isoconcentration contours of TCE, cis-1,2-DCE, VC, and total CVOCs (sum of TCE/DCE/VC and TCA/DCA), respectively. Historical analytical data tables for all Site overburden wells can be found in Appendix D. Time series plots depicting historical CVOC data for all wells in the current SMP sampling program are provided in Appendix E.

5.1 Overburden Groundwater Elevations and Flow Directions

A summary of groundwater elevation data collected September 23, 2016 is provided in Table 3, including location coordinates, top of casing, depth to water and groundwater elevations for the monitoring wells, injection wells, and performance monitoring wells.

Figure 3 presents an overburden groundwater contour map based on the September 23, 2016 water level data. Overburden groundwater was measured at elevations between 576.66 ft AMSL (MW-5S) and 583.14 ft AMSL (PMW-1S). An overburden groundwater mound is present in the bioreactor portion of the Site (especially the western portion where bedrock injections were performed), with flow outward from this mound. Further from this mound, there is a slight west-southwest flow at wells MW-8S and MW-9S located west-southwest of the bioreactor trenches. South of wells MW-7S and MW-6S there is a slight southerly flow; these wells are in the parking lot to the south of the bioreactor trenches.

5.2 Overburden Observations Inside the Bioreactor Trenches

In general, CVOC concentrations within the bioreactor trenches remain significantly decreased compared to samples taken within the first three to six months after installation of the bioreactors (April 2011). TCE, the primary CVOC, was generally depleted from the shallow groundwater within approximately the first six months of completion of the bioreactor installations. In September 2016, TCE was below detection limits at all locations within the bioreactor.

Concentrations of cis-1,2 DCE and VC declined during the first year of monitoring and have remained below pre-treatment concentrations, with the exception of decreasing but cyclical behavior in OR-6SM and OR-10SM (both cis-1,2-DCE and VC):

- At OR-6SM, cis-1,2-DCE decreased from 4,600 µg/L in May 2016 to 350 µg/L in September 2016, and has shown a cyclical increase and corresponding decrease in cis-1,2-DCE concentrations from April 2013 to present. VC has shown a similar trend in this well as it has decreased from 1,100 µg/L in May 2016 to 83 µg/L in September 2016, with the same cyclical increase and decrease since April 2013 (see Appendix D).
- A similar but less pronounced pattern of increase and subsequent decrease in cis-1,2-DCE and VC concentrations has been observed since July 2014 in OR-10SM. However, concentrations of both cis-1,2-DCE and VC in OR-10SM increased from 77 µg/L and 65 µg/L respectively in May 2016 to 1,100 µg/L and 450 µg/L, respectively, in September 2016. These

values represent the highest observed concentrations of these contaminants of concern since historical data has been collected (since June 2011) (see Appendix D).

In May 2016, microbial population counts for measurement of *Dehalococcoides spp.* (DHC), including functional genes *tceA* Reductase, BAV1 Vinyl Chloride Reductase, and Vinyl Chloride Reductase, and *Dehalobacter* (DHB), which collectively degrade chlorinated solvent compounds, were collected. DHC populations ranged from one to four orders of magnitude higher than concentrations measured after bioreactor installation in July 2011. Historical DHC data results are included in Appendix D. DHC concentrations are currently sampled in select overburden wells during only the Spring semi-annual sampling event and were not sampled in September 2016. The next scheduled microbial analysis is scheduled for Spring 2017.

The geochemical conditions in the bioreactor wells indicate that the bioreactors remain anaerobic. Average ORP in September 2016 was -344 millivolts (mV), a decrease from an average ORP of -237 mV in May 2016, maintaining a level conducive to anaerobic biodegradation (Table 5). TOC concentrations in the bioreactor wells have decreased substantially from initial concentrations in July 2011 (an average of 1,325 mg/L) to September 2016 (an average of 21.8 mg/L) (see Appendix D). Despite the decrease in TOC concentrations in the bioreactor wells there remains adequate TOC to act as an electron donor for anaerobic biodegradation of chlorinated solvents. The average TOC level is at the lower end of adequate; this trend will be monitored.

5.3 Overburden Observations Outside the Bioreactor Trenches

In overburden monitoring wells and performance monitoring wells outside the bioreactors, the overall concentration of CVOCs (sum of molar concentration of TCE, DCE, and VC) in overburden groundwater is decreasing. At individual monitoring and performance monitoring wells, CVOC concentrations are variable, with some wells showing increases, some showing decreases, and others remaining relatively unchanged.

Although there is an overall decreasing trend in CVOCs, at some locations CVOCs are more persistent. The highest and most persistent CVOC concentrations in the overburden remain at (see Figure 5D):

- MW-2S, located north of the bioreactor trenches and immediately south of the former secondary containment excavation;
- PMW-5S, PMW-9S, and PMW-11S, located between the bioreactor trenches (not sampled in September 2016 – refer to Appendix D for Historical analytical results); and,
- PMW-3S and PMW-6S, located downgradient of the southernmost trenches.

Downgradient of the trenches, PMW-3S continued to decrease and PMW-6S decreased in CVOCs in September 2016 as compared to May 2016 (when a sharp increase in CVOC concentration was observed) (see Appendix D).

At the locations between the bioreactor trenches (PMW-5S, PMW-9S, and PMW-11S), TOC concentrations have never been elevated above background (approximately 12 mg/L). Thus, CVOC concentrations are expected to remain persistent without additional treatment. These wells are scheduled to be sampled again in Spring 2017.

With the exception of PMW-6S (32 mg/L) and PMW-3S (11 mg/L), TOC concentrations are less than 10 mg/L indicating a deficiency of electron donors. Although TOC concentrations persist at PMW-6S

and PMW-3S, both experienced a decrease in TOC concentrations when compared to the previous (May 2016) sampling event and both exhibit an overall downward trend in CVOCs when compared to the baseline sampling (July 2011).

Due to the low hydraulic conductivity of the fine-grained soils (less than 0.5 feet/day), horizontal transport of TOC and associated lateral expansion of the treatment zone was anticipated to be slow. Empirical data have demonstrated this to be the case; however, due to mounding in the former excavation area (observed throughout the investigation and remediation) the calculated transport rates are variable, and therefore, variations in the horizontal expansion of the treatment zone could also be variable.

Due to the persistent CVOC concentrations in the above specified wells, the lack of TOC outside of the bioreactors in the overburden, and the variable transport rates of the substrate in the bioreactor, additional substrate injections in the overburden may be warranted.

5.4 Overburden Observations – Other Wells

Downgradient wells MW-11S and MW-12S show a decreasing CVOC trend over the long term, but with little change since 2013. The ORP of MW-11S and MW-12S decreased after each bedrock injection event but increased from October 2015 to May 2016 sampling. ORP decreased for both of these wells during the September 2016 sampling event. Methane increases were noted at MW-11S and MW-12S in the months following the bedrock injection events.

At MW-1S, located approximately 150 feet upgradient of the overburden reactors, concentrations of CVOCs, specifically cis-1,2-DCE and VC, showed an order of magnitude decrease in the last 4 sampling events (since August 2014) relative to historical concentrations, although cis-1,2-DCE rebounded to 58 µg/L in May 2016 (Appendix D). This well was not sampled in September 2016 but is scheduled to be sampled again in Spring 2017.

5.5 Summary of Biodegradation Observations in Overburden

Although the overburden bioreactor trenches have performed well with CVOC concentrations decreasing in most OR-series wells, further degradation appears to have stalled in other overburden wells. In general, wells outside the trenches with higher CVOC concentrations correspond to higher ORP levels and lower extents of sulfate reduction (which would occur with active bioactivity). TOC also remains low throughout these wells. These conditions reflect the difficulty of electron donors to migrate through the low permeability soil. However, the presence of appreciable levels of VC and ethene indicate that some biodegradation has occurred and/or such degradation products have migrated from the upgradient active bioreactors.

6.0 Bedrock Remediation Performance and Monitoring Results

This section presents the most recent concentrations and data trends for the bedrock wells through the Fall 2016 semi-annual sampling event. Data trends for selected wells are discussed herein. A summary of Fall 2016 analytical data is provided in Table 7. Figures 6A through 6D provide isoconcentration contours of TCE, cis-1,2-DCE, VC, and total CVOCs (sum of TCE / DCE / VC and TCA / DCA), respectively. Historical analytical data tables for all Site overburden wells can be found in Appendix D. Time series plots depicting historical CVOC data for all wells sampled are provided in Appendix E.

6.1 Bedrock Groundwater Elevations and Flow Directions

A summary of groundwater elevation data collected September 23, 2016 is provided in Table 3, including location coordinates, top of casing, depth to water and groundwater elevations for the monitoring wells, injection wells, and performance monitoring wells.

Figure 4 presents a bedrock groundwater potentiometric surface contour map based on the September 23, 2016 water level data. Bedrock groundwater was measured at elevations between 572.25 ft AMSL (MW-16D) and 577.88 ft AMSL (INJ-13D). In general groundwater flows to the south; however, there is a localized mounding of bedrock groundwater in the western portion of the bioreactor trench area as represented by INJ-13D.

Downward vertical gradients from overburden to bedrock were typical, with greater relative gradient in the western end of the bioreactor portion of the Site.

6.2 Bedrock Bioremediation Performance Summary

The data for the Fall 2016 semi-annual sampling round indicate a continuation of CVOC biodegradation attributed to the November 2012 substrate injection (Appendix E) in the wells monitored. Although the highly contaminated well INJ-7D showed increased concentrations of all CVOC compounds, other wells, including RMW-2, PMW-10D, PMW-11D, and PMW-15D all showed decreases in cis-1,2-DCE concentrations, coupled with flat or decreasing TCE concentrations. INJ-13D and PMW-9D had slight increases in CVOCs compared to the previous sampling event, but there is still an overall decreasing trend at these locations. VC concentrations showed a range of behavior, balancing production from cis-1,2-DCE degradation and removal from anaerobic biodegradation. These wells are located within or immediately downgradient of November 2012 injection locations.

All monitored bedrock wells show increased ethene and ethane concentrations (one to three orders of magnitude) from September 2012 (prior to the November 2012 injections) to September 2016.

DHC concentrations were last sampled May 2016. As of that sampling event, DHC populations (sampled from wells INJ-7D, PMW-2D, PMW-6D, PMW-11D, PMW-15D, PMW-17D, and RMW-2D) had increased one to three orders of magnitude in the bedrock treatment area after the November 2012 injections (Appendix E).

After the injection events, total CVOCs initially increased likely due to the release of CVOCs from DNAPL, sorbed contaminants, and increase in solubility, which is common at injection remediation sites. Among the wells INJ-7D, INJ-8D, PMW-9D, PMW-10D, PMW-11D, PMW-12D, PMW-15D, PMW-16D, PMW-17D, MW-20D, MW-21D, RMW-2D, RMW-3D, the distribution of CVOCs has shifted from predominantly PCE and TCE to predominantly DCE and VC. In addition, ethene concentrations in the injection area (INJ-7D, INJ-8D, PMW-9D, PMW-10D, PMW-11D, and PMW-12D), have increased two to three orders of magnitude.

Over the long term, ethene and ethane concentrations are proving an important indicator of bioremediation progress at the Site. At multiple locations, ethene and ethane concentrations have increased by orders of magnitude over the last three years, indicating that although the CVOC concentrations are currently higher than baseline conditions in the source area, biodegradation is continuing in the source area. Additionally, ORP levels remain very low, and sulfate concentrations have been reduced and sulfide levels increased compared to background wells such as MW-18D (an indication of bioactivity) providing further evidence of active biodegradation. Sulfate and sulfide sampling currently occurs annually and was not sampled during the Fall 2016 event. Additional data will be collected in Spring 2017.

6.3 Performance Enhancement Testing

Previous sampling results indicated that bedrock remediation was dependent on geochemical conditions. Wells with the highest degradation rates had a pH above approximately 6.5 SU and/or hydrogen sulfide less than 30 mg/L approximately. As discussed in previous reports, tests were conducted during the November 2012 substrate injections to mitigate potential limitations to the performance of the bedrock remediation system. The tests included adding vegetable oil substrate and calcium carbonate buffer (instead of sodium bicarbonate) throughout the 2012 injection area to raise the pH, and adding iron at INJ-7D to remove hydrogen sulfide by precipitating the sulfide with iron. The following observations are relevant to these 2012 injections:

- **pH:** The additional calcium carbonate appeared to lack sufficient buffering capacity to prevent the initial pH drop (5.5 – 6.0). The pH at all wells with the exception of PMW-10D (at 5.93 SU) in September 2016 has recovered and currently remains above 6.5 SU.
- **TOC:** TOC concentrations which measure both added substrate and degradation intermediates, have generally stayed above 100 mg/L for bedrock wells in the vicinity of the injections since the November 2012 injection up to September 2016; however, several wells along the perimeter of the injection area exhibit TOC concentrations that have decreased over the past year (INJ-11D, INJ-13D, PMW-16D, PMW-17D), and PMW-11D located east of the bedrock injection wells has historically had lower TOC (Appendix E).
- **Iron and Sulfide Concentration:** Iron (soluble and mineral sources) was injected into INJ-7D during the November 2012 substrate injection event to precipitate sulfide produced by the anaerobic biodegradation process; sulfide can be toxic to further bacterial growth. This injection resulted in an increase in iron and a decrease in sulfide at INJ-7D and the downgradient wells PMW-9D, PMW-12D, and RMW-2D. Iron sampling is a semi-annual event at the Site and will be next sampled in Spring 2017; however, the most recent May 2016 data suggest iron concentrations at these locations continue to deplete, relative to post-2012 injection concentrations.

In wells further downgradient (PMW-2D, PMW-3D, PMW-4D, PMW-5D, PMW-6D, PMW-7D, PMW-8D, PMW-16D, PMW-17D, RMW-4D, and MW-7D), iron concentrations have remained low, and hydrogen sulfide and DCE concentrations have remained elevated.

- **Ethene and Ethane Concentration:** Ethene and ethane increased in INJ-7D as well as locations downgradient of this well (INJ-13D, PMW-9D, PMW-10D, PMW-16D, and RMW-2D) although some concentrations of these compounds have decreased from peak values in some cases; there is still an overall trend of increase since the last round of injection. The increased ethene and ethane concentration indicates biodegradation of VC, despite the increased VC concentration in some of these wells. Based on the continued results from the iron injections at INJ-7D, it appears that sulfide can be effectively controlled with iron, and that iron improves the rate of CVOC biodegradation.

As initially reported in the October 2015 semi-annual performance monitoring report, a laboratory treatability study conducted under anoxic conditions was conducted to optimize field treatments to enhance CVOC biodegradation in bedrock at the Site. Groundwater samples used for the treatability study were collected in December 2013 from wells PMW-14D and PMW-2D. At the time of sampling, hydrogen sulfide concentrations (159 mg/L and 24.5 mg/L) and/or low pH (6.6 and 6.1) at PMW-2D and PMW-14D respectively, were potentially limiting the biodegradation of chloroethenes. The treatments tested in combination with emulsified vegetable oil (EVO) substrate include: 1) ferrous iron to reduce hydrogen sulfide concentration, 2) ferrous iron with sodium bicarbonate to raise pH, and 3) a combination of sodium bicarbonate, ferrous iron, and nutrients (ammonium chloride and sodium tripolyphosphate). Test bottles that received only EVO served as the untreated active control for comparison.

The results of this study indicate that the injection of organic substrate, ferrous iron, and nutrients in combination with appropriately buffering the pH to approximately 6.5 and above has the potential to enhance the biodegradation of chloroethenes, including cis-1,2-DCE to ethene at the Site.

6.4 Summary of Biodegradation Observations in Bedrock

Biodegradation activities continue in the bedrock as demonstrated by elevated degradation products, low ORP levels, high DHC populations, and continued sulfate depletion. Despite this active bioactivity, CVOC concentrations remain high especially in wells INJ-7D, INJ-11D, INJ-13D, MW-7D, PMW-2D, PMW-8D, PMW-9D, PMW-10D, PMW-12D (not sampled in September 2016), PMW-16D, PMW-17D, RMW-2D, and RMW-4D.

The November 2012 injection of iron has been successful in decreasing sulfide concentrations which has allowed increased bioactivity as indicated by increased ethene concentrations over the past year.

7.0 General Site Conclusions and Anticipated Future Activities

7.1 Site Inspections

As part of the Fall 2016 event, the pavement surface conditions above the bioreactor trenches were inspected for settlement, and the protective casings were inspected for integrity. No need for significant pavement repair or maintenance of any protective casings or wells associated with the bioreactor was observed or noted. The damaged asphalt noted on the western edge of the engineering control area was filled with asphalt patch and will be monitored for additional repair, as needed.

In addition, the SSD system was inspected in accordance with NYSDEC-approved operations and maintenance plan dated December 5, 2011. Results of the Fall 2016 inspection identified that the system was in proper working order. In October 2015, sub-slab vapor samples were collected in accordance with the Ekonol SSD Operations, Maintenance, and Monitoring Plan (December 2011) to help determine if cessation of operation of the SSD system is feasible. A sub-slab vapor sample was collected in August 2015 with the SSD system running, and in October 2015 with the SSD system shut down for 24 hours prior. Samples were submitted for volatile organic compound (VOC) analysis using EPA Method TO-15. Sampling results for both events were below method detection limits for all constituents of concern. Summary of the SSD sampling activities and recommendations were provided to NYSDEC under letter dated January 26, 2016. The letter requested approval to decommission the SSD; the letter is currently under NYSDEC review.

7.2 Overburden Bioreactor

The October 2015 data indicate CVOCs are mostly depleted in the bioreactor. The addition of bioremediation treatments to the bioreactor trenches and/or other selected locations with elevated and persistent CVOC concentrations is considered while monitoring continues. Methane and hydrogen sulfide will continue to be monitored.

7.3 Bedrock Bioremediation

The data to date continue to suggest that biodegradation is improving, but can be further optimized. The iron injection test demonstrated that sulfide can be effectively controlled, thus improving CVOC biodegradation. Increasing downgradient concentrations of ethene and ethane, combined with decreasing concentrations of CVOCs downgradient, indicate an overall positive performance of the bedrock remediation system. Sulfide concentrations (last collected May 2016) remain elevated in the vicinity of bedrock pilot test injection wells INJ-01 and INJ-04, including PMW-2D, PMW-8D, and RMW-4D. cis-1,2-DCE concentrations are decreasing or stable in these wells. Supplemental injections are contemplated to optimize the treatment by controlling sulfide concentrations and increasing nutrients. Methane and hydrogen sulfide will continue to be monitored.

Tables

Table 1
Well Condition Observations and Headspace Readings
Fall 2016 Monitoring Event
EkonoI Polyester Resins Site
Wheatfield , New York

Well ID	CO (ppm)	H2S (ppm)	Oxygen (%)	LEL (%)	VOCs (ppm)	Well Condition
INJ-01	0	0	20.9	0	0.3	Good
INJ-02	0	0	20.9	0	0.5	Good
INJ-03	7	0	20.9	9	4.7	Good
INJ-04	0	0	20.9	0	1	Good
INJ-05	0	2.3	20.9	0	13.7	Good
INJ-06D	0	0	20.9	0	0.4	Good
INJ-07D	0	0	20.9	0	0.4	Good
INJ-08D	0	0	20.9	0	0.2	Good
INJ-09D	0	0	18	4	0.5	Good
INJ-10D	0	0	20.9	100	0.3	Good
INJ-11D	0	0	20.9	0	0.1	Good
INJ-12D	0	0	20.9	4	0.7	Good
INJ-13D	0	0	20.9	0	0.2	Good
MW-1S	0	0	20.9	0	0	Good
MW-2S	0	0	20.9	0	4.9	Good
MW-3S	0	0	20.9	0	0	Good
MW-4S	0	0	20.9	0	0.3	Good
MW-5S	0	0	20.9	0	0	Good
MW-6S	0	0	19.1	0	0.1	Good
MW-7S	0	1.6	20.9	0	0.1	Good
MW-7D	0	1.6	20.9	0	0.2	Good
MW-8S	0	0	20.9	0	0.1	Good
MW-9S	0	0	20.9	0	0.1	Good
MW-10S	0	0	20.9	0	0	Good
MW-10D	0	0	20.9	0	0.1	Good
MW-11S	0	0	20.9	0	0	Good
MW-11D	0	0	20.9	0	0	Good
MW-12S	0	0	20.9	0	5.9	Good
MW-12D	0	0	20.9	0	0.1	Good
MW-13D	0	0	20.9	0	0.1	Good
MW-14D	0	0	20.9	0	0.2	Good
MW-15D	0	0	20.9	0	0	Good
MW-16D	0	0	20.9	0	0.1	Good
MW-17D	0	0	20.9	0	0	Good
MW-18D	0	0	20.9	0	0	Good
MW-19D	0	0	20.9	0	0	Good
MW-20D	0	0	20.9	0	2.2	Good
MW-21D	0	0	20.9	0	0	Good
OR-1SI	0	0	20.9	0	0	Good
OR-2SI	0	0	20.9	0	0.1	Good
OR-3SM	0	0	20.9	5	0.1	Good
OR-4SM	0	0	20.9	0	0.2	Good
OR-5SM	9	19.1	20.9	0	0.7	Good
OR-6SM	168	100	20.9	100	3.8	Good
OR-7SI	0	0	20.9	100	0.1	Good
OR-8SI	0	0	20.9	3	0	Good
OR-9SM	0	0	20.9	69	0	Good
OR-10SM	0	0	20.9	0	0.2	Good
OR-11SI	0	0	20.9	5	0	Good
OR-12SI	12	80.2	19.1	100	0	Good

Table 1
Well Condition Observations and Headspace Readings
Fall 2016 Monitoring Event
EkonoI Polyester Resins Site
Wheatfield , New York

Well ID	CO (ppm)	H2S (ppm)	Oxygen (%)	LEL (%)	VOCs (ppm)	Well Condition
OR-13SM	0	0	20.9	100	0	Good
OR-14SM	0	45.5	20.9	74	0	Good
OR-15SM	0	2.9	20.2	100	0.2	Good
OR-16SI	100	13	16	100	0	Good
OR-17SI	7	52	20.9	100	0	Good
OR-18SM	1000	100	17.4	100	7.9	Good
PMW-1S	0	0	20.9	0	0.2	Good
PMW-1D	18	0	20.9	14	6.1	Good
PMW-2S	0	0	20.9	0	0	Good
PMW-2D	82	0	19.4	14	67	Good
PMW-3S	0	0	20.9	100	1.3	Good
PMW-3D	1000	100	20.2	27	33	Good
PMW-4S	0	0	20.9	0	0.6	Good
PMW-4D	0	1.9	20.9	0	0	Good
PMW-5S	0	0	20.9	29	27.1	Good
PMW-5D	0	0	20.9	0	5.9	Good
PMW-6S	0	0	20.9	0	1.1	Good
PMW-6D	544	100	19	100	10.7	Good
PMW-7S	0	0	20.9	0	0	Good
PMW-7D	0	1.9	20.9	0	0.4	Good
PMW-8S	0	0	20.9	0	0.2	Good
PMW-8D	0	3.2	20.9	0	7.2	Good
PMW-9S	0	0	20.9	0	7	Good
PMW-9D	0	0	20.9	0	8.3	Good
PMW-10S	0	0	20.9	0	0	Good
PMW-10D	53	0	20.9	11	11.2	Good
PMW-11S	0	4.7	20.9	0	5.4	Good
PMW-11D	0	0	20.9	0	0.4	Good
PMW-12D	0	0	20.9	0	1.1	Good
PMW-13D	7	0	20.9	0	0.7	Good
PMW-14D	0	0	20.9	0	0.2	Good
PMW-15D	0	0	20.9	0	0.4	Good
PMW-16D	0	0	20.9	0	3.6	Good
PMW-17D	0	0	20.9	0	0.1	Good
RMW-1D	0	0	18.3	0	0	Good
RMW-2D	15	0	20.9	0	47.6	Good
RMW-3D	16	100	20.9	0	19.7	Good
RMW-4D	25	35.8	19.6	100	0.6	Good
TP-1	0	0	20.9	0	0.2	Good
TP-2	0	0	20.9	0	0.2	Good

Notes: Shaded values indicate detections by the 4-gas and VOC meters.
ppm - parts per million

Table 2
Sample Matrix
Fall 2016 Monitoring Event
Ekonol Polyester Resins Site
Wheatfield, New York

		VOCs ^{A/} (SW8260C)	Methane, Ethane, Ethene (RSK SOP-175 Modified) ^{B/}	Dissolved Inorganics ^{C/D/} (6010C)	Total Organic Carbon (SW9060A)	Well Head Analyses ^{E/}
Location	Synoptic Water Level Measurement ^{F/}	Semi-Annual	Semi-Annual	Semi-Annual	Semi-Annual	Semi-Annual
Overburden Bioreactor Monitoring Wells						
OR-4SM	1	1	1	1	1	1
OR-6SM	1	1	1	1	1	1
OR-10SM	1	1	1	1	1	1
OR-14SM	1	1	1	1	1	1
OR-18SM	1	1	1	1	1	1
PMW-1S	1	1	1	1	1	1
PMW-3S	1	1	1	1	1	1
PMW-4S	1	1	1	1	1	1
PMW-6S	1	1	1	1	1	1
Bedrock Injection/Withdrawal Wells						
INJ-7D	1	1	1	1	1	1
INJ-11D	1	1	1	1	1	1
INJ-13D	1	1	1	1	1	1
Bedrock Monitoring Wells						
PMW-9D	1	1	1	1	1	1
PMW-10D	1	1	1	1	1	1
PMW-11D	1	1	1	1	1	1
PMW-16D	1	1	1	1	1	1
PMW-17D	1	1	1	1	1	1
Pilot Test Wells						
PMW-1D	1	1	1	1	1	1
PMW-2D	1	1	1	1	1	1
PMW-6D	1	1	1	1	1	1
RMW-4D	1	1	1	1	1	1
PMW-8D	1	1	1	1	1	1
MW-7D	1	1	1	1	1	1
Site Investigation Wells						
MW-2S	1	1	1	1	1	1
MW-4S	1	1	1	1	1	1
MW-10S	1	1	1			1
MW-11S	1	1	1			1
MW-12S	1	1	1			1
RMW-2D	1	1	1	1	1	1
RMW-3D	1	1	1	1	1	1
MW-11D	1	1	1			1
MW-17D	1	1	1			1
MW-20D	1	1	1			1
MW-21D	1	1	1			1
Investigative Monitoring Wells						
MW-15D	1	1	1	1	1	1
MW-19D	1	1	1	1	1	1
MW-13D	1	1	1	1	1	1
MW-9S	1	1	1	1	1	1
Monitoring Subtotal						
	38	38	38	31	31	38
QA/QC						
Duplicates		2	2	2	2	
Matrix Spike		2				
Matix Spike Duplicate		2				
Trip Blanks		5				
Total per sampling Event:		49	40	33	33	38

Notes:

Matrix spike/matrix spike duplicate pair and field duplicates collected at the rate of 1 per 20 samples.

Field duplicates were named blind, using a similar scheme but non-existent well, such as MW-190B or MW-60.

^{A/} VOCs = volatile organic compounds, including aromatic and chlorinated aliphatic hydrocarbons.

^{B/} Analytical method for dissolved gases will be a laboratory-specific standard operating procedure (RSK-175).

^{C/} All metal and cation samples were field filtered and immediately preserved (Fe, K).

^{D/} Dissolved inorganic compounds consist of iron (Fe) and potassium (K). Samples were field filtered.

^{E/} Well head analyses include dissolved oxygen, oxidation-reduction potential, pH, temperature, electrical conductivity, turbidity and visual appearance.

^{F/} All Site water levels were recorded in September 2016.

Table 3
Water Level Measurements
Fall 2016 Monitoring Event
EkonoL Polyester Resins Site
Wheatfield , New York

Well ID	Elevation Top of Casing	Easting	Northing	9/23/2016	
				Depth to Water (ft btoc)	Groundwater Elevation
INJ-01	585.70	1056172.53	1132217.92	9.59	576.11
INJ-02	585.54	1056179.53	1132230.81	8.95	576.59
INJ-03	585.35	1056164.47	1132230.97	dry @ 8.38	< 576.97
INJ-04	585.58	1056185.83	1132211.60	9.24	576.34
INJ-05	585.60	1056159.24	1132212.19	9.44	576.16
INJ-06D	585.67	1056256.92	1132295.04	9.05	576.62
INJ-07D	585.89	1056227.95	1132328.21	9.53	576.36
INJ-08D	585.85	1056283.56	1132319.81	9.42	576.43
INJ-09D	585.74	1056236.21	1132260.58	9.02	576.72
INJ-10D	585.24	1056280.55	1132262.71	9.05	576.19
INJ-11D	585.76	1056185.26	1132328.88	9.46	576.30
INJ-12D	585.59	1056193.71	1132261.54	dry @ 8.75	< 576.84
INJ-13D	585.78	1056199.78	1132296.96	7.90	577.88
MW-1S	585.06	1056192.71	1132468.53	6.71	578.35
MW-2S	585.11	1056254.14	1132311.92	3.12	581.99
MW-3S	584.83	1056317.60	1132228.17	5.24	579.59
MW-4S	585.79	1056183.51	1132220.46	8.58	577.21
MW-5S	585.66	1056429.00	1132454.91	9.00	576.66
MW-6S	585.64	1056266.92	1132123.45	7.70	577.94
MW-7S	586.46	1056161.35	1132148.61	7.50	578.96
MW-7D	586.16	1056173.63	1132156.49	9.75	576.41
MW-8S	586.19	1056062.61	1132192.87	8.36	577.83
MW-9S	586.10	1056094.38	1132273.82	8.05	578.05
MW-10S	585.77	1056442.61	1132303.24	8.23	577.54
MW-10D	585.47	1055990.20	1132241.44	9.30	576.17
MW-11S	586.00	1056372.98	1132005.83	9.30	576.70
MW-11D	588.42	1056434.68	1132119.94	12.21	576.21
MW-12S	586.11	1056235.49	1132057.93	9.34	576.77
MW-12D	585.85	1055849.97	1132286.53	9.85	576.00
MW-13D	587.89	1056401.65	1131373.46	12.98	574.91
MW-14D	587.70	1056477.88	1132399.34	11.38	576.32
MW-15D	585.76	1055873.33	1131333.59	11.27	574.49
MW-16D	586.96	1056393.84	1131176.05	14.71	572.25
MW-17D	587.31	1056444.40	1131980.99	11.34	575.97
MW-18D	587.07	1056621.36	1132083.84	10.75	576.32
MW-19D	585.44	1055674.08	1131339.31	9.95	575.49
MW-20D	586.17	1056045.44	1131530.44	10.17	576.00
MW-21D	585.90	1055862.75	1131532.09	10.20	575.70
OR-1SI	585.80	1056211.28	1132307.96	2.93	582.87
OR-2SI	585.61	1056221.00	1132286.30	4.81	580.80
OR-3SM	585.81	1056238.75	1132303.07	3.51	582.30
OR-4SM	585.70	1056237.61	1132286.58	4.87	580.83
OR-5SM	585.73	1056264.58	1132305.39	2.85	582.88
OR-6SM	585.74	1056264.08	1132285.79	6.94	578.80
OR-7SI	585.76	1056281.74	1132304.69	2.86	582.90
OR-8SI	585.70	1056281.88	1132285.61	6.58	579.12
OR-9SM	585.69	1056317.88	1132305.78	8.31	577.38
OR-10SM	585.57	1056322.03	1132285.34	8.63	576.94
OR-11SI	585.91	1056339.81	1132305.64	8.66	577.25
OR-12SI	585.63	1056340.88	1132285.72	8.76	576.87
OR-13SM	585.80	1056357.56	1132303.89	8.58	577.22
OR-14SM	585.68	1056359.10	1132284.59	8.57	577.11
OR-15SM	585.85	1056405.58	1132304.29	7.76	578.09

Table 3
Water Level Measurements
Fall 2016 Monitoring Event
EkonoL Polyester Resins Site
Wheatfield , New York

Well ID	Elevation Top of Casing	Easting	Northing	9/23/2016	
				Depth to Water (ft btoc)	Groundwater Elevation
OR-16SI	585.74	1056408.53	1132289.87	8.35	577.39
OR-17SI	585.74	1056407.40	1132314.38	7.89	577.85
OR-18SM	585.51	1056425.90	1132308.77	8.23	577.28
PMW-1S	586.01	1056275.66	1132313.81	2.87	583.14
PMW-1D	585.66	1056173.74	1132291.16	8.84	576.82
PMW-2S	585.75	1056264.68	1132299.07	3.21	582.54
PMW-2D	585.85	1056180.62	1132220.74	9.26	576.59
PMW-3S	585.67	1056264.01	1132279.87	7.14	578.53
PMW-3D	585.98	1056172.04	1132210.57	10.11	575.87
PMW-4S	585.48	1056260.67	1132263.59	7.35	578.13
PMW-4D	585.73	1056156.77	1132199.23	9.69	576.04
PMW-5S	585.84	1056236.26	1132295.37	5.23	580.61
PMW-5D	585.73	1056200.45	1132209.88	9.39	576.34
PMW-6S	585.57	1056236.48	1132279.64	7.79	577.78
PMW-6D	585.86	1056187.65	1132197.91	10.70	575.16
PMW-7S	585.62	1056318.31	1132297.88	8.26	577.36
PMW-7D	585.82	1056171.23	1132181.82	9.58	576.24
PMW-8S	585.64	1056319.11	1132277.98	8.95	576.69
PMW-8D	585.46	1056158.56	1132222.87	9.42	576.04
PMW-9S	585.76	1056358.19	1132295.53	9.01	576.75
PMW-9D	585.92	1056208.44	1132275.49	8.87	577.05
PMW-10S	585.53	1056359.62	1132277.02	7.97	577.56
PMW-10D	585.68	1056257.10	1132275.14	8.96	576.72
PMW-11S	585.71	1056413.36	1132305.16	8.02	577.69
PMW-11D	585.76	1056311.43	1132273.20	9.49	576.27
PMW-12D	585.87	1056205.69	1132244.92	9.51	576.36
PMW-13D	585.68	1056235.09	1132247.22	9.02	576.66
PMW-14D	585.79	1056257.22	1132247.18	9.18	576.61
PMW-15D	585.63	1056279.65	1132246.82	9.04	576.59
PMW-16D	585.49	1056232.42	1132218.93	9.23	576.26
PMW-17D	585.77	1056255.43	1132226.60	9.33	576.44
RMW-1D	585.93	1056171.00	1132461.00	9.34	576.59
RMW-2D	586.14	1056235.00	1132291.00	5.4	580.74
RMW-3D	586.01	1056302.00	1132214.00	9.67	576.34
RMW-4D	585.76	1056171.69	1132203.28	9.6	576.16
TP-1	NA	NA	NA	9.46	NA
TP-2	NA	NA	NA	6.62	NA

Notes:

ft btoc - feet below top of casing

NA - not applicable

Table 4
Summary of Groundwater Sampling
Fall 2016 Monitoring Event
Ekonol Polyester Resins Site
Wheatfield , New York

Well ID	Date Sampled	Volume Purged (gallons)
Overburden Bioreactor Monitoring Wells		
OR-4SM	9/28/2016	7.5
OR-6SM	9/26/2016	2.5
OR-10SM	9/28/2016	7.0
OR-14SM	9/26/2016	2.5
OR-18SM	9/26/2016	1.5
PMW-1S	9/26/2016	2.5
PMW-3S	9/30/2016	5.0
PMW-4S	9/27/2016	1.0
PMW-6S	9/27/2016	3.0
Bedrock Injection/Withdrawal Wells		
INJ-7D	9/30/2016	8.0
INJ-11D	9/29/2016	12.0
INJ-13D	9/29/2016	8.0
Bedrock Monitoring Wells		
PMW-9D	9/29/2016	2.5
PMW-10D	9/29/2016	6.0
PMW-11D	9/28/2016	5.0
PMW-16D	9/30/2016	8.0
PMW-17D	9/28/2016	8.0
Pilot Test Wells		
PMW-1D	9/26/2016	6.5
PMW-2D	9/30/2016	3.0
PMW-6D	9/28/2016	2.5
RMW-4D	9/29/2016	4.0
PMW-8D	9/29/2016	2.5
MW-7D	9/30/2016	7.0
Site Investigation Wells		
MW-2S	9/29/2016	3.5
MW-4S	9/26/2016	1.0
MW-10S	9/29/2016	5.0
MW-11S	9/27/2016	2.0
MW-12S	9/28/2016	3.0
RMW-2D	9/30/2016	3.0
RMW-3D	9/28/2016	6.0
MW-11D	9/27/2016	3.0
MW-17D	9/27/2016	4.5
MW-20D	9/27/2016	7.0
MW-21D	9/27/2016	6.0
Investigative Monitoring Wells		
MW-15D	9/27/2016	3.5
MW-19D	9/27/2016	7.5
MW-13D	9/27/2016	3.5
MW-9S	9/28/2016	4.5

Table 5
Groundwater Sampling Field Parameter Results
Fall 2016 Sampling Event
Ekono Polyester Resins Site
Wheatfield , New York

Monitoring Well ID	Sample Date	Temperature (deg C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (standard units)	ORP (mV)	Turbidity (NTU)
Overburden Bioreactor Monitoring Wells							
OR-4SM	9/28/2016	20.58	4.080	0.00	6.68	-429.0	6.40
OR-6SM	9/26/2016	20.15	6.173	0.11	6.51	-290.3	7.95
OR-10SM	9/28/2016	20.39	1.950	0.00	6.72	-281.0	0.00
OR-14SM	9/26/2016	18.40	0.871	0.00	6.65	-405.0	7.81
OR-18SM	9/26/2016	17.75	2.510	0.00	6.47	-313.0	2.41
PMW-1S	9/26/2016	19.60	5.941	0.15	6.61	-278.5	1.36
PMW-3S	9/30/2016	18.44	4.750	0.20	6.40	-291.9	8.10
PMW-4S	9/27/2016	21.63	0.475	2.81	7.65	-89.1	16.30
PMW-6S	9/27/2016	19.63	4.104	0.24	6.51	-257.7	6.83
Bedrock Injection/Withdrawal Wells							
INJ-7D	9/30/2016	15.09	2.910	equipment malfunction	6.68	-201.0	5.70
INJ-11D	9/29/2016	15.13	4.310	0.00	6.93	-359.0	6.62
INJ-13D	9/29/2016	15.90	3.765	0.23	6.73	-292.1	3.17
Bedrock Monitoring Wells							
PMW-9D	9/29/2016	16.94	4.449	4.66	7.00	-165.3	7.88
PMW-10D	9/29/2016	17.05	5.148	0.17	5.93	-376.4	equipment malfunction
PMW-11D	9/28/2016	16.28	1.831	2.74	7.16	-360.8	2.49
PMW-16D	9/30/2016	15.74	1.990	equipment malfunction	7.11	-387.0	5.30
PMW-17D	9/28/2016	17.96	2.308	0.37	6.96	-359.3	6.75
Pilot Test Wells							
PMW-1D	9/26/2016	15.72	3.830	0.00	7.43	-233.0	17.60
PMW-2D	9/30/2016	17.00	5.020	equipment malfunction	6.51	-345.0	14.50
PMW-6D	9/28/2016	22.23	5.686	2.09	6.84	-334.2	64.30
RMW-4D	9/29/2016	15.13	3.340	0.00	6.88	-349.0	2.36
PMW-8D	9/29/2016	15.59	4.820	0.00	6.99	-371.0	2.44
MW-7D	9/30/2016	17.11	3.190	0.30	6.54	-355.8	equipment malfunction
Site Investigation Wells							
MW-2S	9/29/2016	19.46	4.761	0.51	6.57	-18.5	4.24
MW-4S	9/26/2016	18.19	6.205	0.36	6.75	-67.1	1.84
MW-10S	9/29/2016	14.64	1.490	0.00	7.05	-95.0	0.44
MW-11S	9/27/2016	16.35	5.810	0.00	6.98	-234.0	2.09
MW-12S	9/28/2016	19.41	7.370	0.00	6.77	-264.0	0.70
RMW-2D	9/30/2016	17.78	2.780	0.43	6.62	-366.7	66.10
RMW-3D	9/28/2016	16.24	1.710	0.42	7.10	-321.1	0.93
MW-11D	9/27/2016	14.71	2.330	0.00	7.18	-321.0	0.14
MW-17D	9/27/2016	14.64	2.570	0.00	7.18	-237.0	0.46
MW-20D	9/27/2016	17.44	2.423	0.15	6.97	-98.7	1.56
MW-21D	9/27/2016	16.37	2.050	0.00	7.35	-184.0	0.60
Investigative Monitoring Wells							
MW-15D	9/27/2016	15.52	2.290	0.00	7.28	-317.0	0.27
MW-19D	9/27/2016	16.61	4.800	0.27	6.53	12.7	17.40
MW-13D	9/27/2016	13.64	4.580	0.00	6.88	-312.0	0.43
MW-9S	9/28/2016	20.11	2.760	0.00	7.60	-86.0	2.10

Notes: mS/cm - milliSiemen per centimeter
mg/L - milligram per liter
mV - millivolt

NTU - nephelometric turbidity unit
ORP - oxidation-reduction potential
NM - Not Measured

Table 6
Summary of Analytical Specifications
Fall 2016 Monitoring Event
EkonoI Polyester Resins Site
Wheatfield, New York

Sample Type	Container Type	Sample Volume	Preservation Method	Max. Holding Time	Analytical Method
Constituents of Concern					
Select VOCs	40 mL glass vial with septum top	3x40 mL	Hydrochloric acid, Cool 4°C	14 days	SW846 Method 8260C
Natural Attenuation Parameters					
Methane, Ethene, Ethane, Carbon Dioxide	40 mL glass vial with septum top	3x40 mL	Hydrochloric acid, Cool 4°C	14 days	USEPA RSK SOP-175 Modified
TOC	40 mL glass vial with septum top	2x40 mL	Sulfuric acid, Cool 4°C	28 days	SW846 Method 9060A
Dissolved Metals*	500 mL plastic	500 mL	Nitric Acid	6 months	USEPA 6010C

Notes:

VOC - volatile organic compound

TOC - total organic carbon

*Iron and Potassium

mL - milliliter

L - liter

Table 7
Monitoring Well Groundwater Analytical Result Summary - Fall 2016
EkonoI Polyester Resins Site
Wheatfield, New York

Parameter	Criteria ¹	INJ- 7D	INJ-11D	INJ-13D	MW- 2S	MW- 4S	MW- 7D	MW- 9S	MW-10S	MW-11D	MW-11S	MW-12S	MW-13D	MW-15D	MW-17D
Volatile Organic Compounds															
PCE (µg/L)	5	25000 U	5000 U	500 UJ	5000 U	2.5 UJ	170 U	1.0 U	20 U	2.0 U	13 U	100 U	20 U	33 U	1.0 U
TCE (µg/L)	5	170000	14000	1300	5000 U	1.2 J	66 J	1.0 U	14 J	1.1 J	24	1900	20 U	7.8 J	0.33 J
Cis-1,2-DCE (µg/L)	5	540000	57000	12000	190000	40 J	72000	1.0 U	520	33	240	1400	170	660	5.0
Trans-1,2-DCE (µg/L)	5	25000 U	5000 U	500 U	5000 U	2.5 UJ	140 J	1.0 U	20 U	0.93 J	6.4 J	30 J	20 U	33 U	1.0 U
1,1-DCE (µg/L)	5	25000 U	5000 U	500 U	5000 U	2.5 UJ	46 J	1.0 U	20 U	2.0 U	13 U	100 U	20 U	18 J	1.0 U
Vinyl Chloride (µg/L)	2	15000 J	2500 J	3100	17000	72 J	5300	1.0 U	79	37	95	920	370	580	8.1
1,1,1-Trichloroethane (µg/L)	5	25000 U	5000 U	500 UJ	5000 U	2.5 UJ	41 J	1.0 U	20 U	33	13 U	100 U	20 U	590	1.0
1,1-Dichloroethane (µg/L)	5	25000 U	5000 U	500 U	5000 U	2.5 UJ	350	1.0 U	20 U	12	7.0 J	100 U	11 J	92	7.8
Chloroethane (µg/L)	5	25000 U	5000 UJ	500 U	5000 UJ	2.5 UJ	170 U	1.0 U	20 UJ	2.0 U	13 U	100 U	20 U	33 U	3.0
Benzene (µg/L)	1	25000 U	5000 U	500 U	5000 U	2.5 UJ	170 U	1.0 U	20 U	2.0 U	13 U	100 U	20 U	33 U	1.0 U
Ethylbenzene (µg/L)	5	25000 U	5000 U	500 U	5000 U	2.5 UJ	170 U	1.0 U	20 U	2.0 U	13 U	100 U	20 U	33 U	1.0 U
Naphthalene (µg/L)	10	25000 U	5000 U	500 U	5000 U	2.5 UJ	170 U	1.0 U	20 U	2.0 U	13 U	100 U	20 U	33 U	1.0 U
Toluene (µg/L)	5	25000 U	5000 U	500 U	5000 U	2.5 UJ	170 U	1.0 U	20 U	2.0 U	13 U	100 U	20 U	33 U	1.0 U
Xylene (total) (µg/L)	5	50000 U	10000 U	1000 U	10000 U	5.0 UJ	330 U	2.0 U	40 U	4.0 U	25 U	200 U	40 U	67 U	2.0 U
Dissolved Metals															
Dissolved Iron (mg/L)	--	28	0.350	4	3	0.560	0.063 J	0.100 U	NA	NA	NA	NA	0.100 U	0.260	NA
Dissolved Potassium (mg/L)	--	7.6	12	9.4	3.1 J	6.6	7.3	4.1 J	NA	NA	NA	NA	5.3	4.1 J	NA
Dissolved Gases															
Ethane (µg/L)	--	33 J	73 J	270	8.8 J	3.5	7.5 J	0.50 UJ	0.94 J	31	1.1	19	3.5	0.67	1.2
Ethene (µg/L)	--	880 J	1200 J	1300	80 J	4.0	300 J	0.50 UJ	5.3 J	8.0	16	480	76	8.5	2.7
Methane (µg/L)	--	880 J	10000 J	9700	120 J	90	5000 J	6.7 J	23 J	160	90	2600	1400	65	38
Miscellaneous Parameters															
TOC (mg/L)	--	160	82	82	2.8	3.9	240	6.9	NA	NA	NA	NA	3.1	2.2	NA
pH (s.u.)	--	6.68	6.93	6.73	6.57	6.75	6.54	7.60	7.05	7.18	6.98	6.77	6.88	7.28	7.18

See Page 3 of 3 for notes.

Table 7
Monitoring Well Groundwater Analytical Result Summary - Fall 2016
EkonoI Polyester Resins Site
Wheatfield, New York

Parameter	Criteria ¹	MW-19D	MW-20D	MW-21D	OR- 4SM	OR- 6SM	OR-10SM	OR-14SM	OR-18SM	PMW- 1D	PMW- 1S	PMW- 2D	PMW- 3S	PMW- 4S
Volatile Organic Compounds														
PCE (µg/L)	5	1.0 U	50 U	25 U	1.0 UJ	17 UJ	50 U	1.0 U	1.0 UJ	6.7 U	17 UJ	250 U	140 U	6.7 U
TCE (µg/L)	5	1.0 U	50 U	25 U	1.0 UJ	17 UJ	50 U	1.0 U	1.0 UJ	6.7 U	4.0 J	140 J	140 U	14
Cis-1,2-DCE (µg/L)	5	7.2	160	380	1.0 UJ	350 J	1100	0.28 J	13 J	5.7 J	270 J	7100	3800	160
Trans-1,2-DCE (µg/L)	5	0.52 J	50 U	25 U	0.85 J	14 J	50 U	1.0 U	1.1 J	2.5 J	9.6 J	100 J	74 J	10
1,1-DCE (µg/L)	5	1.0 U	30 J	25 U	1.0 UJ	17 UJ	50 U	1.0 U	1.0 UJ	6.7 U	17 UJ	250 U	140 U	6.7 U
Vinyl Chloride (µg/L)	2	0.41 J	440	510	1.0 UJ	83 J	450	0.65 J	22 J	110	230 J	17000	820	28
1,1,1-Trichloroethane (µg/L)	5	1.0 U	1100	48	1.0 UJ	17 UJ	50 U	1.0 U	1.0 UJ	6.7 U	17 UJ	250 U	140 U	6.7 U
1,1-Dichloroethane (µg/L)	5	1.0 U	100	21 J	0.34 J	17 UJ	50 U	1.0 U	1.0 UJ	4.8 J	17 UJ	250 U	140 U	6.7 U
Chloroethane (µg/L)	5	1.0 U	50 U	25 U	1.0 UJ	17 UJ	50 U	1.0 U	1.0 UJ	6.7 U	17 UJ	250 U	140 U	6.7 U
Benzene (µg/L)	1	1.0 U	50 U	25 U	3.1 J	17 UJ	50 U	0.53 J	0.56 J	6.7 U	17 UJ	250 U	140 U	6.7 U
Ethylbenzene (µg/L)	5	1.0 U	50 U	25 U	1.6 J	17 UJ	50 U	0.35 J	0.47 J	6.7 U	17 UJ	250 U	140 U	6.7 U
Naphthalene (µg/L)	10	1.0 U	50 U	25 U	0.62 J	17 UJ	50 U	1.0 U	1.0 UJ	6.7 U	17 UJ	250 U	140 U	6.7 U
Toluene (µg/L)	5	1.0 U	50 U	25 U	0.96 J	6.6 J	50 U	1.2	1.0 UJ	6.7 U	17 UJ	250 U	140 U	6.7 U
Xylene (total) (µg/L)	5	2.0 U	100 U	50 U	7.9 J	33 UJ	100 U	1.5 J	0.60 J	13 U	33 UJ	500 U	290 U	13 U
Dissolved Metals														
Dissolved Iron (mg/L)	--	1.7	NA	NA	16	1.7	0.790	1.6	0.100 U	45	0.059 J	0.330	0.490	0.040 J
Dissolved Potassium (mg/L)	--	4.8 J	NA	NA	19	23	3 J	2.9 J	15	11	15	12	12	0.280 J
Dissolved Gases														
Ethane (µg/L)	--	0.50 U	2.6	0.91	1.5 J	47	13	0.81	2.2 J	300	17	13 J	24 J	21
Ethene (µg/L)	--	0.50 U	56	11	2.5 UJ	23	57	1.5	7.1 J	940	90	2800 J	100 J	46
Methane (µg/L)	--	9.1	240	55	3800 J	2100 D	4100	5800 D	3700 DJ	5200 D	4100 D	5200 J	2300 J	2000 D
Miscellaneous Parameters														
TOC (mg/L)	--	7.1	NA	NA	38	38	15	13	5.1	380	8.9	470	11	5.0
pH (s.u.)	--	6.53	6.97	7.35	6.68	6.51	6.72	6.65	6.47	7.43	6.61	6.51	6.40	7.65

See Page 3 of 3 for notes.

Table 7
Monitoring Well Groundwater Analytical Result Summary - Fall 2016
EkonoI Polyester Resins Site
Wheatfield, New York

Parameter	Criteria ¹	PMW- 6D	PMW- 6S	PMW- 8D	PMW- 9D	PMW-10D	PMW-11D	PMW-16D	PMW-17D	RMW- 2D	RMW- 3D	RMW- 4D
Volatile Organic Compounds												
PCE (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 UJ	500 U	830 U	1700 U	1000 U	1000 J	1300 U	500 UJ
TCE (µg/L)	5	250 UJ	67 UJ	10000 J	2900	800	250 J	700 J	590 J	130000 J	1300 U	1100
Cis-1,2-DCE (µg/L)	5	3500 J	1300 J	42000 J	26000	15000	3300	36000	9300	110000 J	2300	15000
Trans-1,2-DCE (µg/L)	5	250 UJ	54 J	2000 UJ	1000 U	500 U	830 U	1700 U	1000 U	1300 UJ	1300 U	500 U
1,1-DCE (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 U	500 U	690 J	1700 U	1000 U	1300 UJ	1300 U	500 U
Vinyl Chloride (µg/L)	2	690 J	610 J	3100 J	19000	3600	440 J	4000	2100	690 J	1300 U	5400
1,1,1-Trichloroethane (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 UJ	500 U	17000	7900	13000	1300 UJ	15000	500 UJ
1,1-Dichloroethane (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 U	280 J	790 J	800 J	1700	1300 UJ	1300 U	500 U
Chloroethane (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 U	500 UJ	830 UJ	1700 U	1000 U	1300 UJ	1300 U	500 U
Benzene (µg/L)	1	250 UJ	67 UJ	2000 UJ	1000 U	500 U	830 U	1700 U	1000 U	1300 UJ	1300 U	500 U
Ethylbenzene (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 U	500 U	830 U	1700 U	1000 U	1300 UJ	1300 U	500 U
Naphthalene (µg/L)	10	250 UJ	67 UJ	2000 UJ	1000 U	500 U	830 U	1700 U	1000 U	1300 UJ	1300 U	500 U
Toluene (µg/L)	5	250 UJ	67 UJ	2000 UJ	1000 U	500 U	830 U	1700 U	1000 U	1300 UJ	1300 U	500 U
Xylene (total) (µg/L)	5	500 UJ	130 UJ	4000 UJ	2000 U	1000 U	1700 U	3300 U	2000 U	2500 UJ	2500 U	1000 U
Dissolved Metals												
Dissolved Iron (mg/L)	--	0.120	0.097 J	0.100 U	59	19	0.066 J	0.078 J	0.100 U	0.100 U	0.072 J	0.100 U
Dissolved Potassium (mg/L)	--	9.5	12	6.1	11	6	2.7 J	3.2 J	3.7 J	4.9 J	2.7 J	4.9 J
Dissolved Gases												
Ethane (µg/L)	--	63 J	2.4 J	10	240 J	51 J	2.2	5.5 J	7.1	37 J	1.4	27 J
Ethene (µg/L)	--	5100 J	21 J	280	14000 J	5800 J	18	290 J	75	85 J	1.0	1600 J
Methane (µg/L)	--	13000 J	2700 DJ	2500	9100 J	5300 J	390	600 J	1200	2900 J	28	5200 J
Miscellaneous Parameters												
TOC (mg/L)	--	500	32	120	300	520	4.1	51	66	270	2.4	150
pH (s.u.)	--	6.84	6.51	6.99	7.00	5.93	7.16	7.11	6.96	6.62	7.10	6.88

Notes:

1. NYSDEC TOGS (1,1,1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, April 2000, Glass GA.

µg/L - micrograms per liter

mg/L - milligrams per liter

s.u. - standard units

NA - Not Analyzed

J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

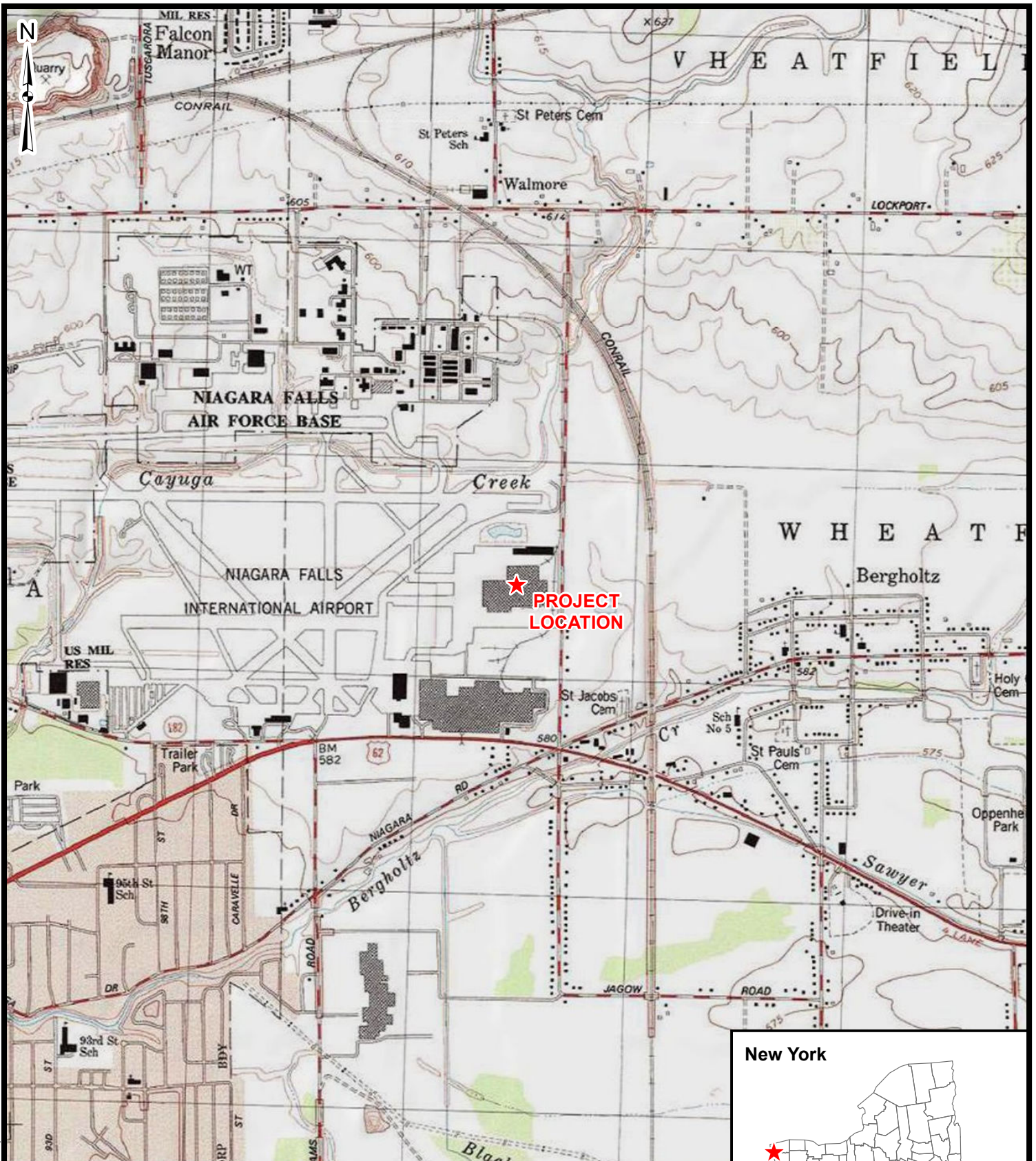
U - Not detected above the reporting limit.

UJ - Not detected. The reporting limit is an estimated value.

R - Rejected. See DUSR, Section IV.

Figures

J:\Projects\60481767_BP\IPOMISC\GIS\Ekono\Maps\2016\FALL\01 PROJECT LOCATION.mxd 12/7/2016



Source: USA Topo Maps, ESRI Map Service;
1:24,000-scale USGS Topographic Map,
Ransomville, 1996
Tonawanda West, 1996

2,000 0 2,000 Feet

New York

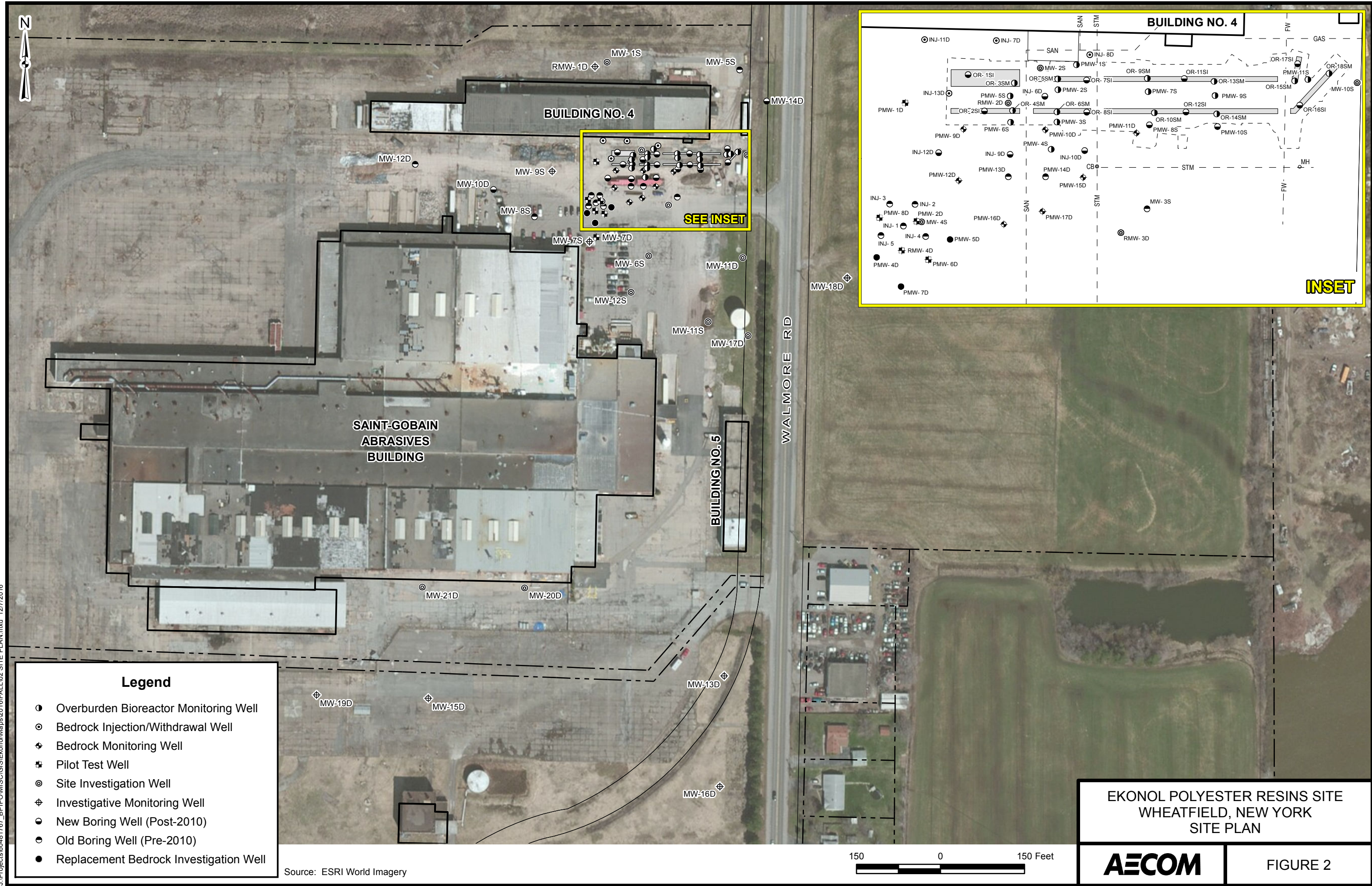


AECOM

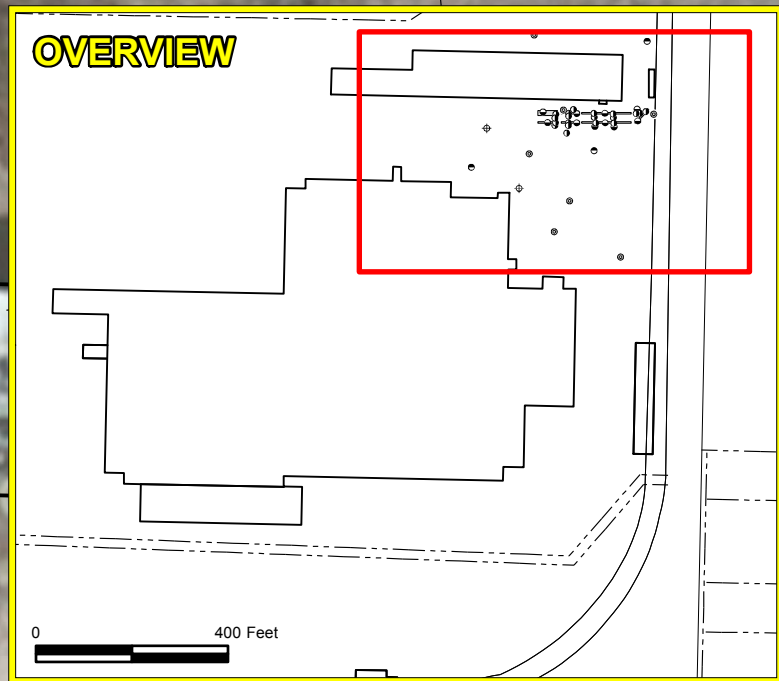
EKONOL POLYESTER RESINS SITE
WHEATFIELD, NEW YORK
PROJECT LOCATION PLAN

FIGURE 1

J:\Projects\60481767_BP\IP\MISC\GIS\Ekond\Maps\2016\FALL\02 SITE PLAN.mxd 12/7/2016



J:\Projects\60481767_BP\PMISC\GIS\Ekond\Maps\2016\FALL\03 GROUNDWATER CONTOURS - OVERBURDEN.mxd 12/6/2016



Legend

- Overburden Bioreactor Monitoring Well
- ⊙ Site Investigation Well
- ⊕ Investigative Monitoring Well
- New Boring Well (Post-2010)
- Old Boring Well (Pre-2010)
- ➡ Groundwater Flow Direction
- Groundwater Elevation Contour

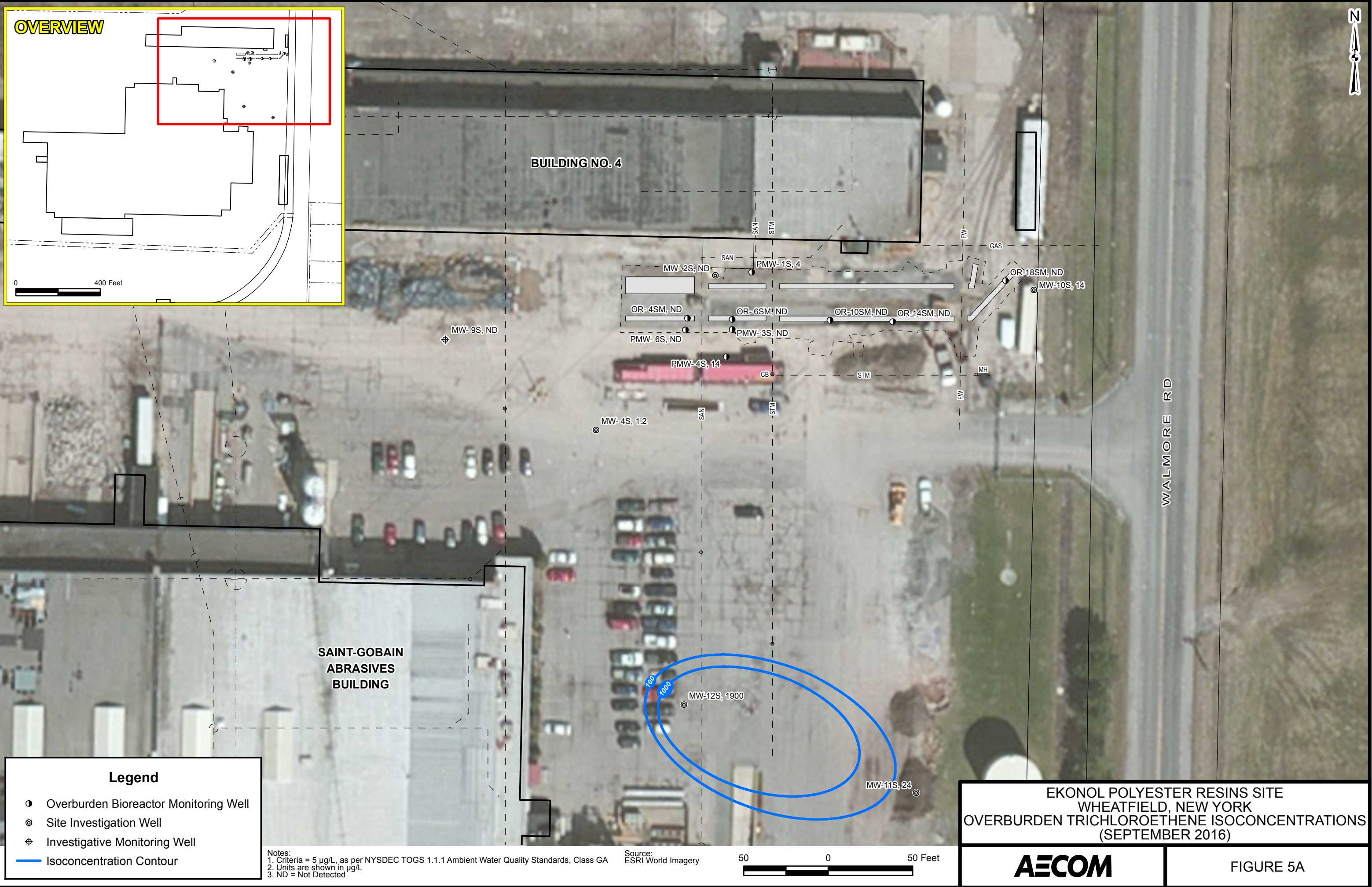
Source: ESRI World Imagery

EKONOL POLYESTER RESINS SITE
WHEATFIELD, NEW YORK
OVERBURDEN GROUNDWATER ELEVATIONS
(SEPTEMBER 23, 2016)

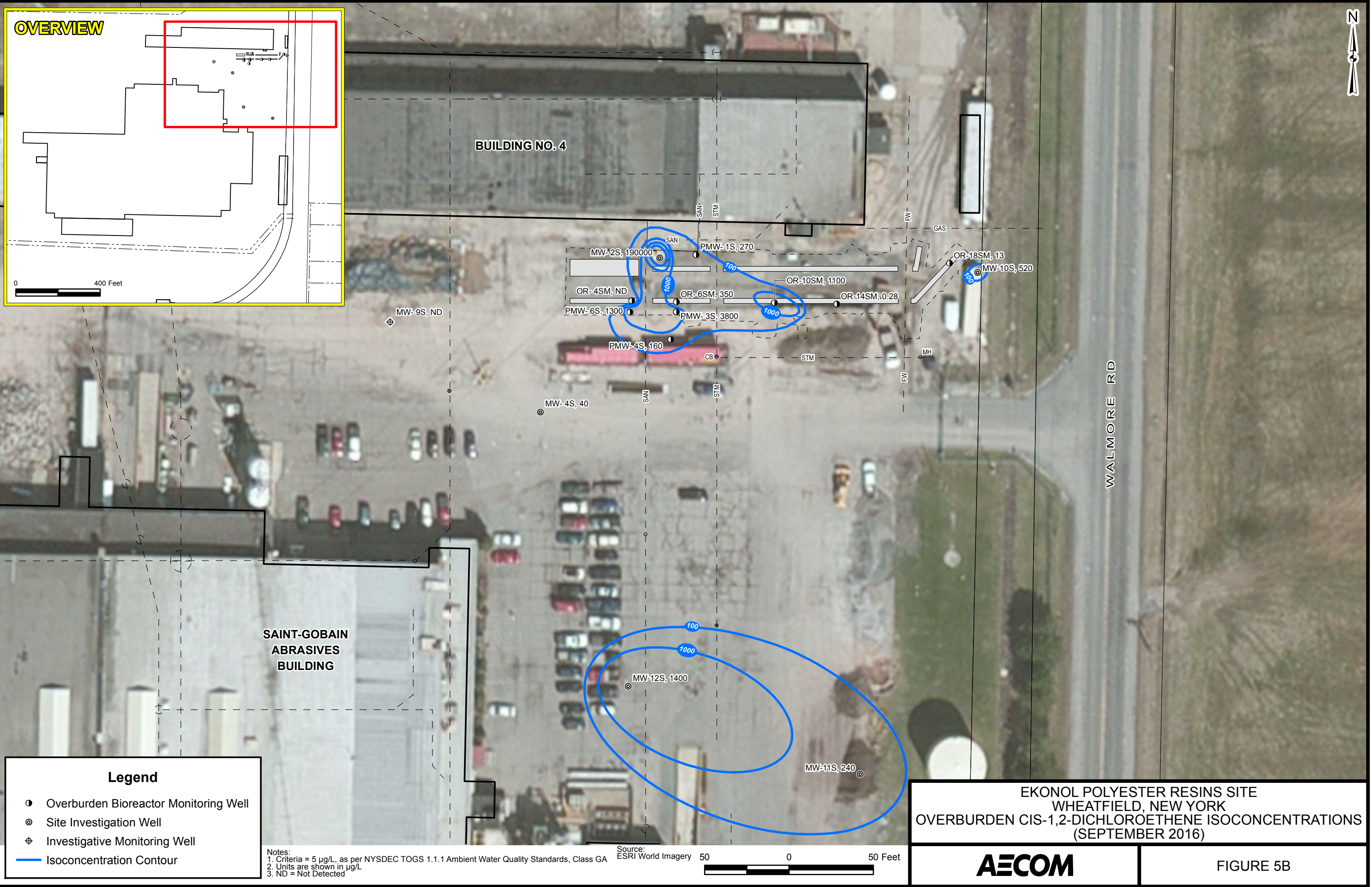
AECOM

FIGURE 3

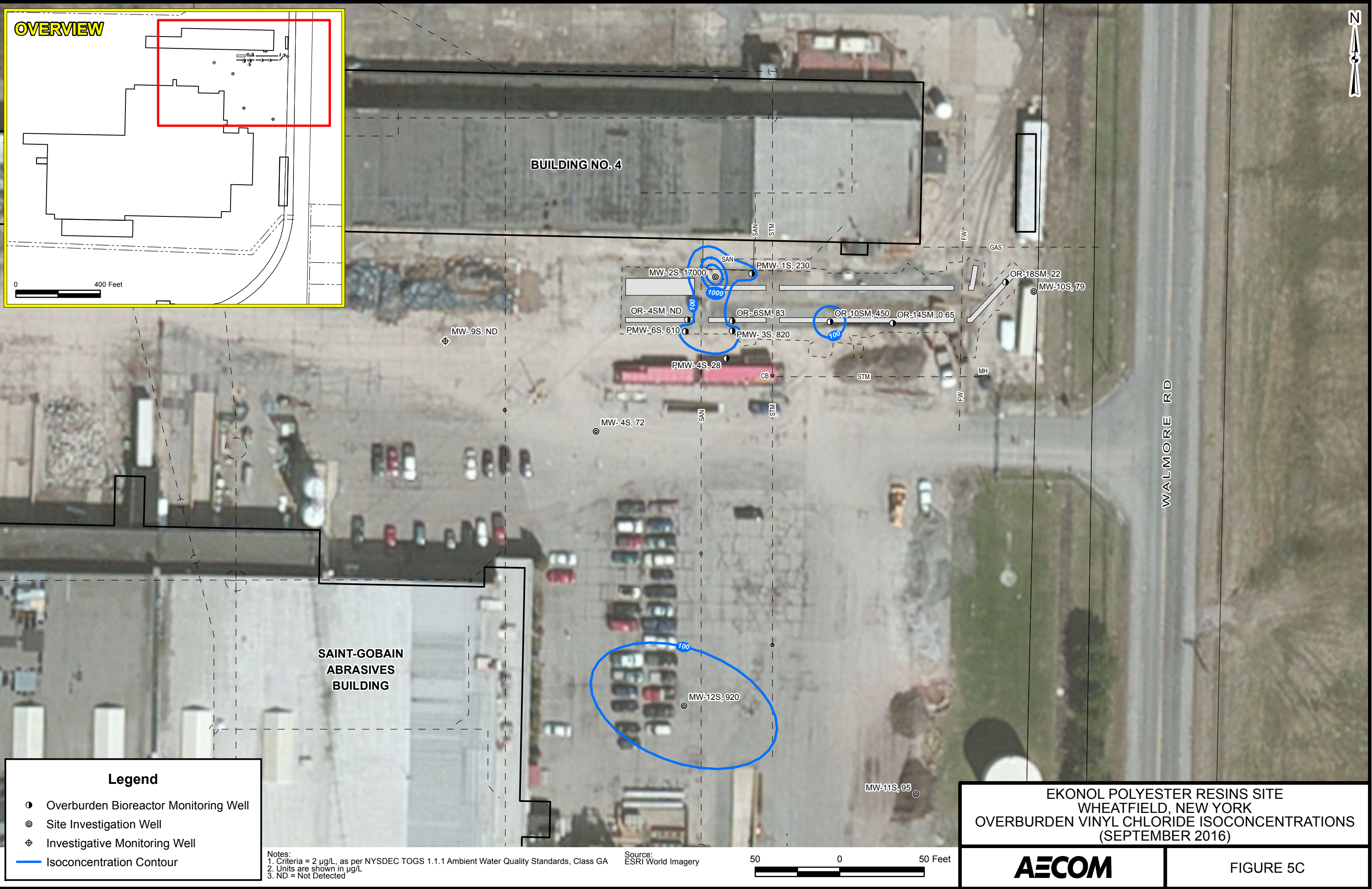
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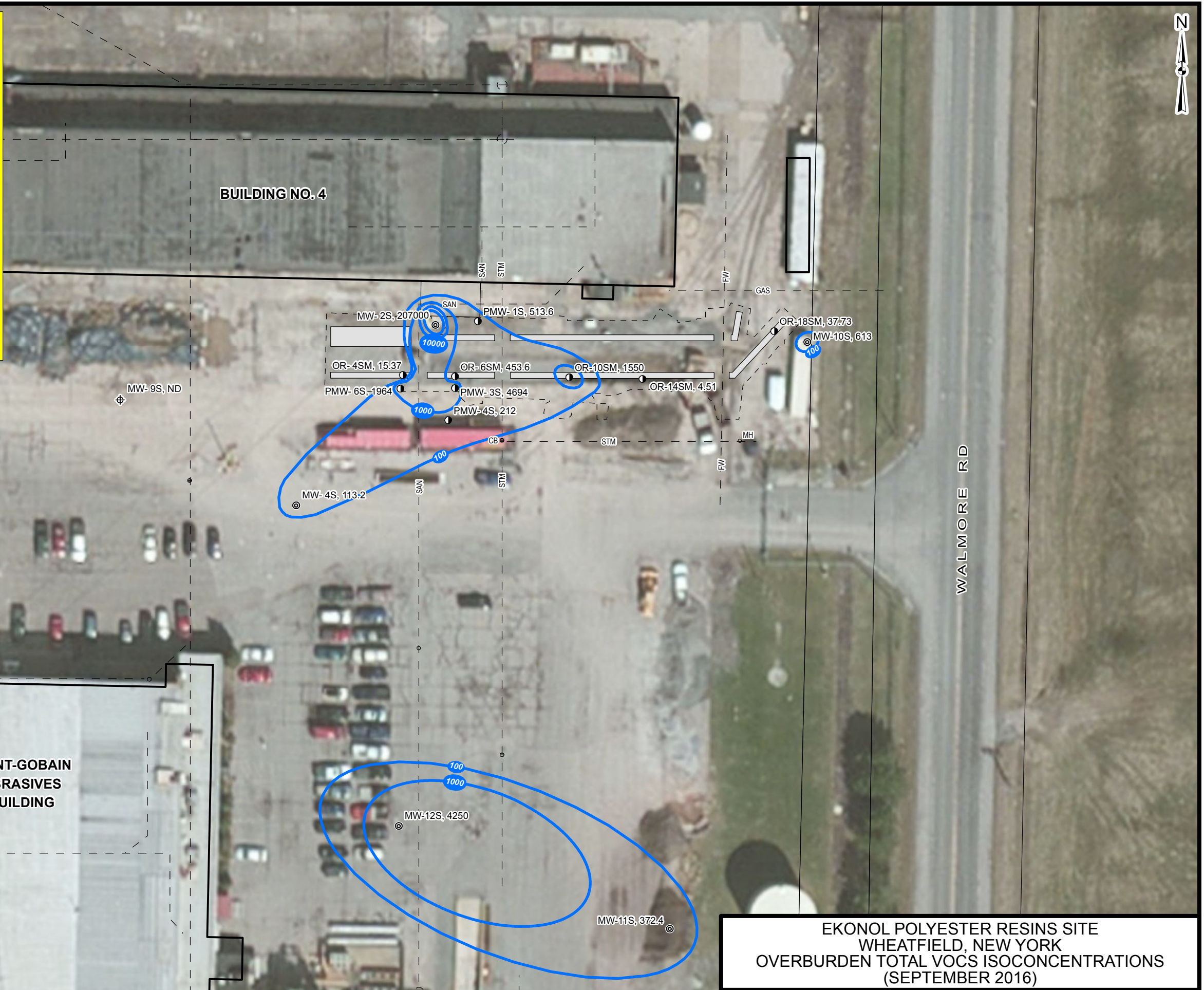
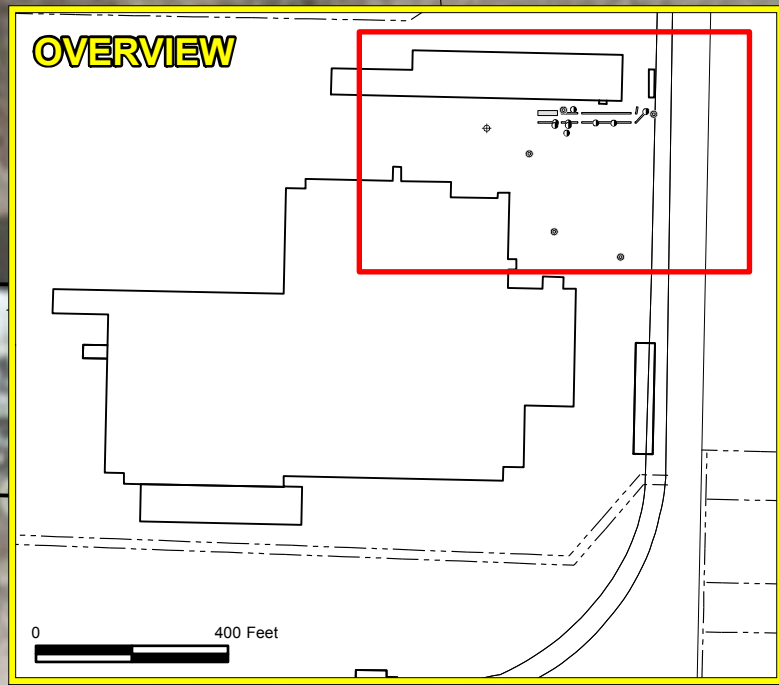
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J:\Projects\60481767_BP\IP\WISC\GIS\Ekond\Maps\2016\FALL\05C_ISOCONCENTRATION - VC - OVERBURDEN.mxd 12/7/2016



J:\Projects\60481767_BP\PMIS\GIS\Ekonol\Maps\2016\FALL\05D ISOCONCENTRATION - TOTAL VOCs - OVERBURDEN.mxd 12/7/2016

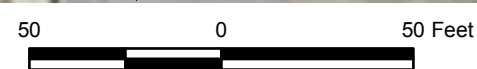


Legend

- Overburden Bioreactor Monitoring Well
- ⊙ Site Investigation Well
- ⊕ Investigative Monitoring Well
- Isoconcentration Contour

Notes:
1. Criteria = NYSDEC TOGS 1.1.1 Ambient Water Quality Standards, Class GA
2. Units are shown in µg/L
3. ND = Not Detected

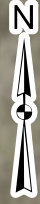
Source:
ESRI World Imagery



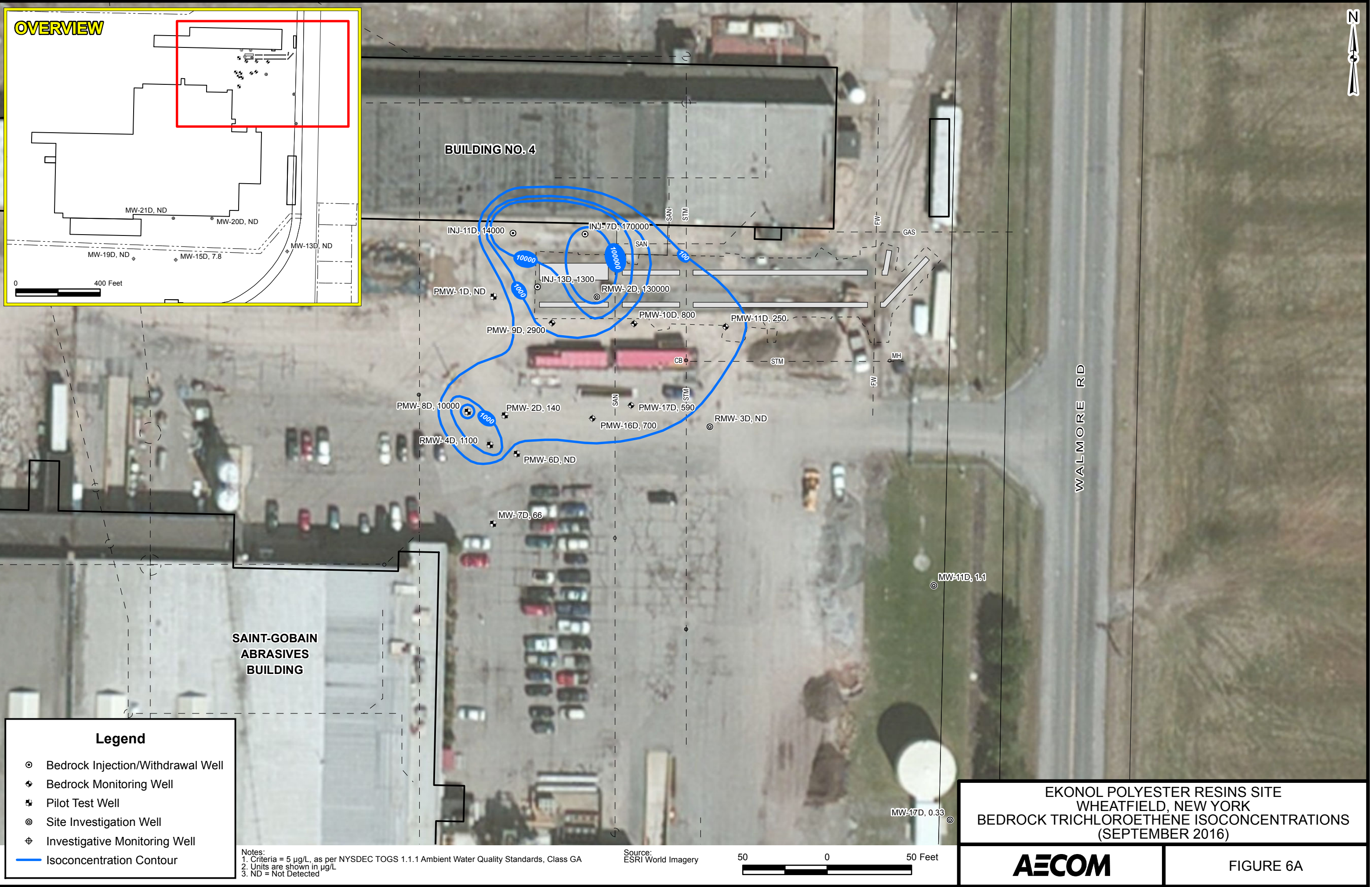
EKONOL POLYESTER RESINS SITE
WHEATFIELD, NEW YORK
OVERBURDEN TOTAL VOCs ISOCONCENTRATIONS
(SEPTEMBER 2016)

AECOM

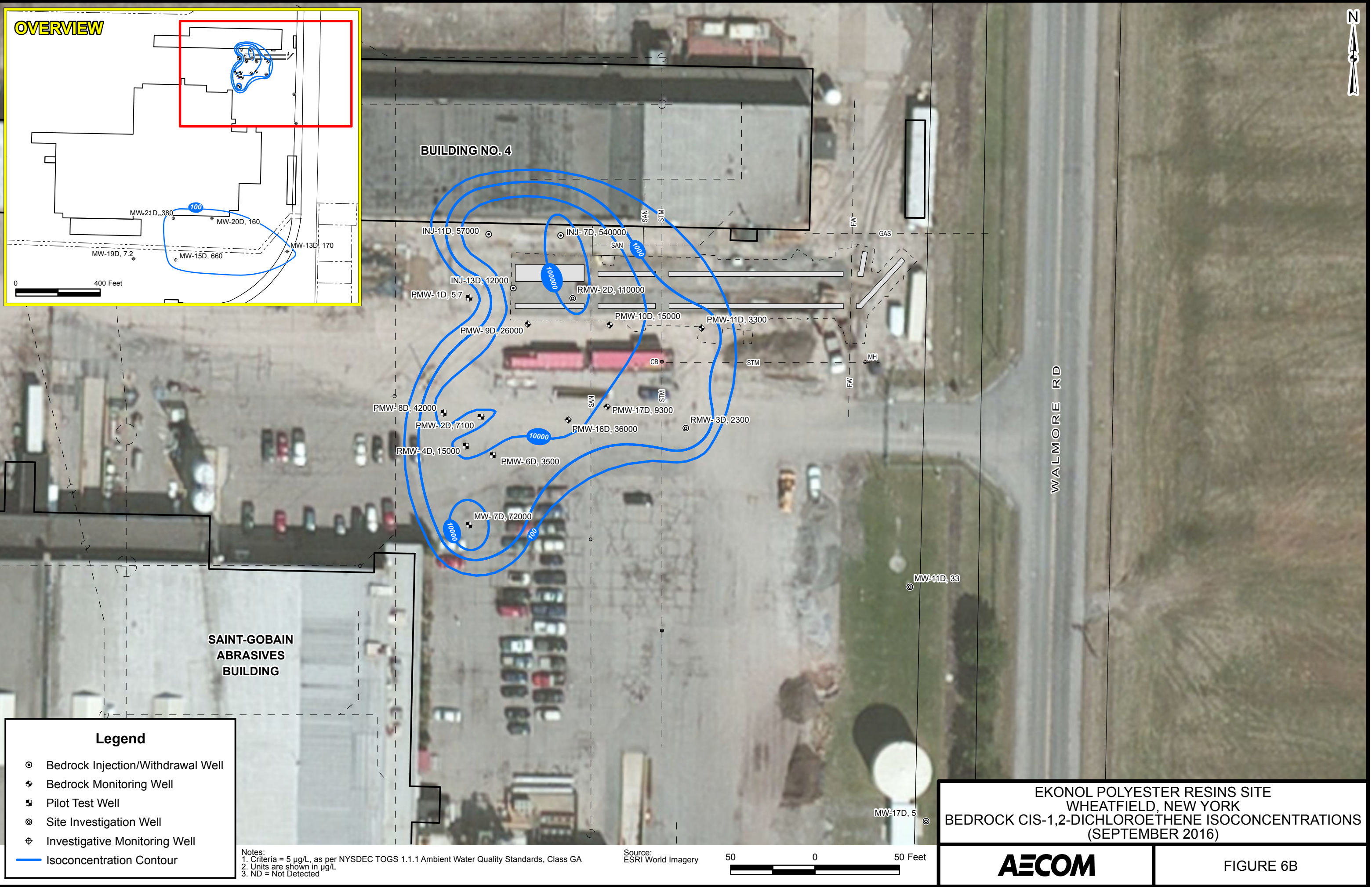
FIGURE 5D



J:\Projects\60481767_BP\IP\WISC\GIS\Ekonol\Maps\2016\FALL\06A ISOCONCENTRATION - TCE - BEDROCK.mxd 12/7/2016



J:\Projects\60481767_BP\IP\WISC\GIS\Ekonol\Maps\2016\FALL\06B_ISOCONCENTRATION - CIS-1,2-DCE - BEDROCK.mxd 12/7/2016

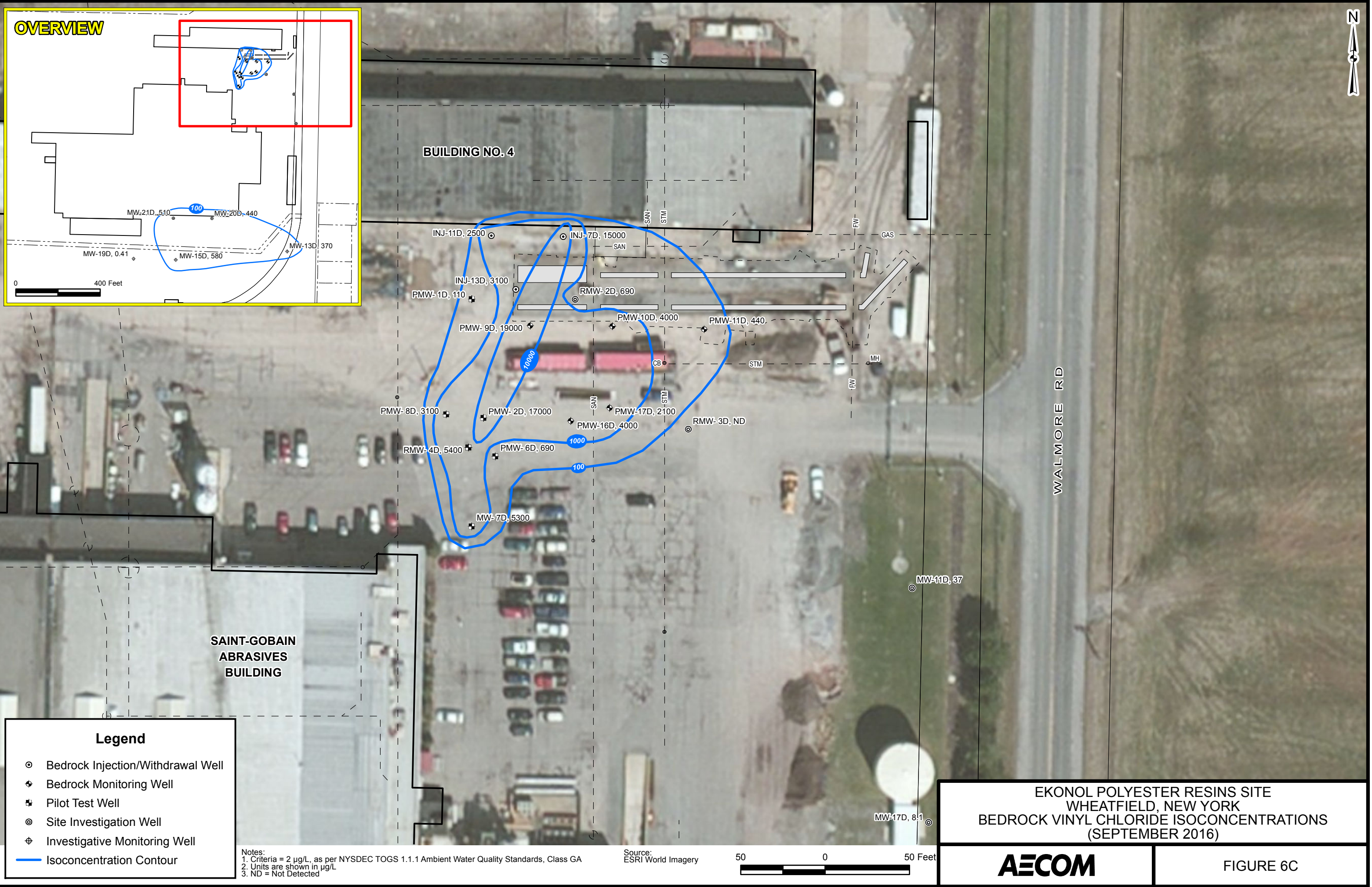


EKONOL POLYESTER RESINS SITE
WHEATFIELD, NEW YORK
BEDROCK CIS-1,2-DICHLOROETHENE ISOCONCENTRATIONS
(SEPTEMBER 2016)

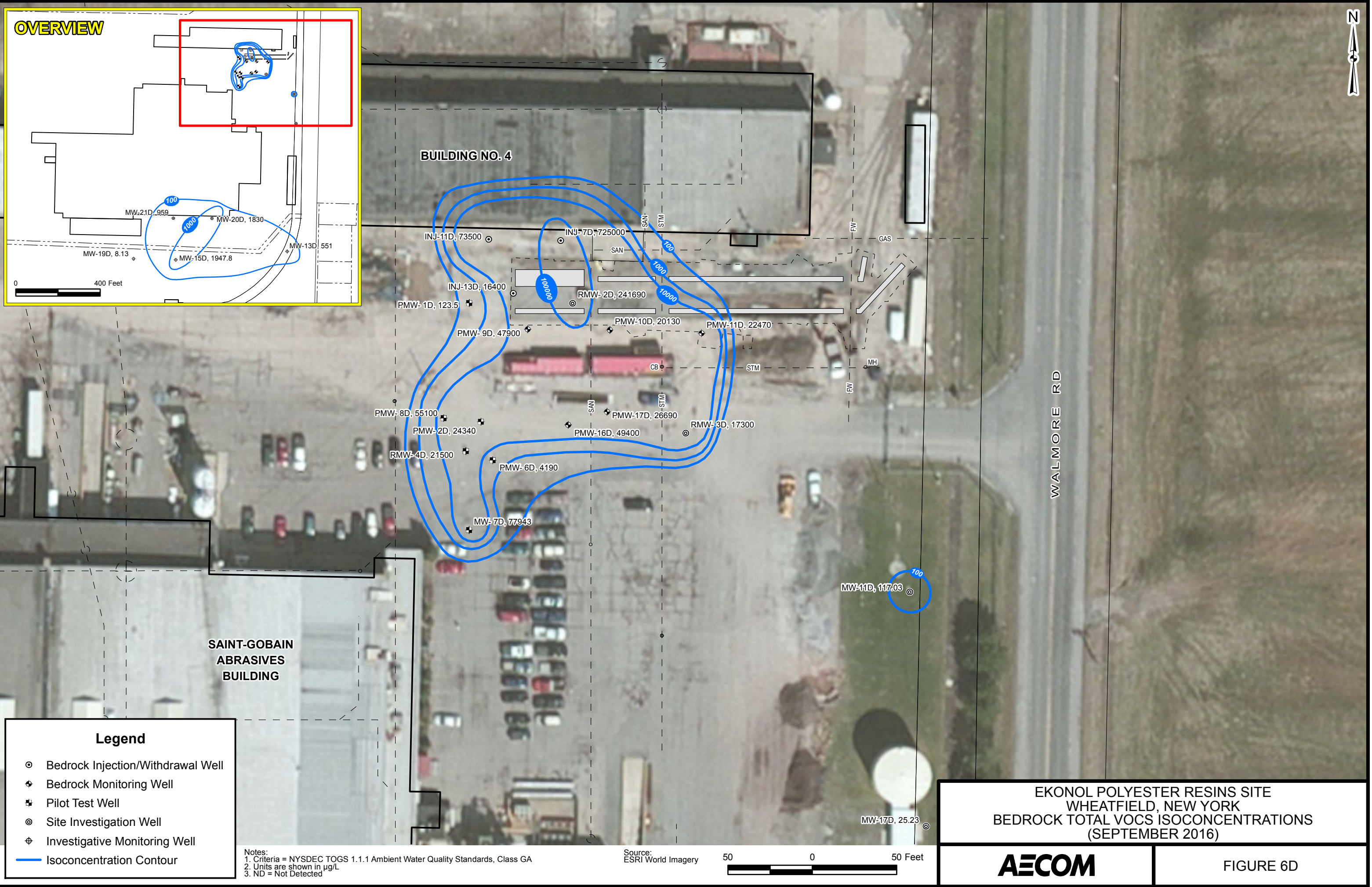


FIGURE 6B

J:\Projects\60481767_BP\PMIS\GIS\Ekonol\Maps\2016\FALL\06C ISOCONCENTRATION - VC - BEDROCK.mxd 12/7/2016



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Appendix A

Inspection Records

EKONOL SITE PAVEMENT INSPECTION FORM WHEATFIELD, NEW YORK

Date of Inspection: 9/26/2016 **Time:** 11:00

Inspector(s) Name/Title: Emily Laity/Env. Scientist

Inspection of	Condition Present?		Action Required?		Comments/Location	Correction Date
	Yes	No	Yes	No		
1. Site Pavement						
A. Surface cracks	X			X	Minor surface cracks. Engineering area not compromised. No action. AECOM to continue to monitor. 11-28-16 Fresh blacktop seal coating observed over part of engineering area.	
B. Pits/divots	X		X		Previously repaired divots N of INJ-13 noted in Spring 2016 have settled. AECOM to repair with asphalt patch.	11/28/2016
C. Sinking	X		X		Previously repaired divots N of INJ-13 noted in Spring 2016 have settled. AECOM to repair with asphalt patch.	11/28/2016
2. Well curb boxes						
A. Cracks		X		X		
B. Loose		X		X		
C. Well caps missing		X		X		
D. Settlement		X		X	New layer of asphalt over parts of facility in early 2016. A few wells are low in the asphalt after the fresh layer applied. AECOM to continue to monitor.	

Site Photo Log:



EKONOL SITE INSPECTION FORM WHEATFIELD, NEW YORK

Date of Inspection: 9/26/2016 **Time:** 10:30

Inspector(s) Name/Title: Emily Laity/Env. Scientist

Inspection of	Action Required?		Comments/Location	Correction Date
	Yes	No		
1. Site Institutional Controls				
A. Any site groundwater use?		X		
B. Any site excavation work?		X		
C. Any new buildings developed in area?		X		
D. Any residential buildings on the site?		X		
2. Site Engineering Controls				
A. Condition and effectiveness of bioreactor asphalt cap?		X	Condition satisfactory. Some minor cracking on surface.	
3. Site Management Activities				
A. Semi-annual groundwater sampling being completed?		X	9/26/2016 - 9/30/2016	
B. Site Health and Safety inspections being completed?		X		
4. Site Records				
A. Site records up to date? (ie- field notebook, field forms, etc.)		X		

Inspection of	Action Required?		Comments/Location	Correction Date
	Yes	No		
5. General Site Conditions				
A. Monitoring wells	X		Some wells need new bolts. AECOM to fix during groundwater sampling event.	09/26/2016 - 09/30/2016
B. Fences/Gates		X		
C. Other Site conditions		X		
6. Compliance with Operation and Maintenance Plan				
A. Permits up to date?		X		
B. Schedule maintained?		X		

OPERATION, MONITORING AND MAINTENANCE CHECKLIST

Date: 9/26/16
Checklist Completed By: LCM
Project Number: 60481716
Property Location: 6600 WALDMOND RD
System Installation Date: 4/17/10

The purpose of this form is to document the operation and maintenance of the sub-slab depressurization system to provide assurance that the system is functioning as designed or identify and execute any actions required to achieve the mitigation of subsurface vapor intrusion of volatile organic compounds to indoor air

1. MITIGATION SYSTEM INSPECTION

Occupant Interview

Any concerns identified by the building occupants?

YES

NO

Comments / Action Items

Occupant's Initials:

LCM

External Piping

Vent pipes securely fastened to building

YES

NO

Are there any visible openings or breaks in the pipe system

YES

NO

Is the rain cap present and intact at discharge point

YES

NO

N/A

Inspection of the exhaust point verified that no air intakes have been located nearby

YES

NO

The sealing/caulking around wall penetrations is intact

YES

NO

Comments / Action Items

Mitigation Fan

Fan is mounted securely to building (no excessive vibrations during operation)

YES

NO

Fan cover is installed

YES

NO

No visible damage to fan or cover

YES

NO

Comments / Action Items

OPERATION, MONITORING AND MAINTENANCE CHECKLIST

Internal Piping

Vertical and horizontal pipe runs are secured, including at all penetration points	<u>YES</u>	NO	
The sealing/caulking is intact around the extraction point or points through the basement floor, crawlspace floor, and/or crawlspace/basement wall interface.	<u>YES</u>	NO	
Vibration dampener installed and intact (pertains to fan mount)	YES	NO	<u>N/A</u>
Mitigation system operation placard present and visible/legible	<u>YES</u>	NO	
Contains description of major components, valid contact number and instructions for occupant inquiries and/or system failure	<u>YES</u>	NO	
Mitigation system maintenance tag present and filled out	YES	NO	
Date of last inspection shown on tag: _____			
U-tube manometer present and intact at each extraction point	<u>YES</u>	NO	

Comments / Action Items

Electrical

Electrical connections secured	<u>YES</u>	NO	
Junction boxes are closed	<u>YES</u>	NO	
Conduit is supported	YES	NO	
Circuit breakers controlling the mitigation fan and alarm circuits operate and are labeled "Mitigation System"	<u>YES</u>	NO	
Power switch tagged with intact tamper proof seal	<u>YES</u>	NO	
Audible alarm present	<u>YES</u>	NO	
Audible alarm switch in "on" position (light on alarm is green)	<u>YES</u>	NO	<u>N/A</u>

Comments / Action Items

2. OPERATIONAL CHECKS

Fan is operating			
Noise and Vibration within normal range	<u>YES</u>	NO	
Alarm sounds when fan is turned off	<u>YES</u>	NO	
U-Tube manometer indicating negative sub slab pressure	YES	NO	
U-Tube Manometer Reading: Location: <u>OFF CC</u> Vacuum <u>0.8</u> in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
U-Tube Manometer Reading: Location: _____ Vacuum _____ in H ₂ O			
Smoke test performed on internal penetrations and pipe joints			
Smoke test indicated no leaks	<u>YES</u>	NO	<u>N/A</u>
Smoke test confirms air flow into sump	<u>YES</u>	NO	<u>N/A</u>
Back draft test confirms proper air flow at combustion appliances	<u>YES</u>	NO	<u>N/A</u>
Smoke test indicated no leaks	<u>YES</u>	NO	<u>N/A</u>

OPERATION, MONITORING AND MAINTENANCE CHECKLIST

3. MAINTENANCE

Fan last replaced on (date): SUMMER 2015

Fan due to be replaced; NA

Additional Maintenance Action Items Performed

4. ADDITIONAL ACTION ITEMS/ COMMENTS/COMPLETION DATES

5. CERTIFICATION

I certify that the information on this form is true, accurate and complete (all blanks filled in) to the best of my knowledge and ability, and that I have the appropriate training and experience to perform this monitoring/inspection:

Name: KEVIN J. MCGOUGH Affiliation: ACCUM
Signature: [Signature] Date (dd/mm/yy): 2/29/16 / 9:25 am pm

Appendix B

Field Sampling Records

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: INJ-7D				Well Diameter: 4"			
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Breezy, overcast											
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/30/2016		Time: 0930 (hhmm)		Initial Depth to Water: 9.20'		Depth to Bottom: 23.45			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
9:40	9.60	300	0.4	16.08	2.17	-	6.79	-190	12.1	D.O. Probe Malfunction	
9:45	10.10	300	0.8	15.33	2.21	-	7.67	-279	6.2		
9:50	10.75	300	1.2	15.32	2.21	-	7.73	-279	4.3		
9:55	11.15	300	1.6	15.30	2.21	-	7.98	-279	2.1		
10:00	11.35	300	2.0	15.27	2.21	-	7.98	-276	2.7		
10:05	11.70	300	2.4	15.28	2.22	-	7.06	-270	2.1		
10:10	12.15	300	2.8	15.24	2.19	-	7.66	-225	2.9		
10:15	12.30	300	3.2	15.24	2.40	-	7.19	-201	3.2		
10:20	12.45	300	3.6	15.20	2.56	-	6.93	-196	2.8		
10:25	12.55	300	4.0	15.17	2.67	-	6.83	-197	4.3		
10:30	12.70	300	4.4	15.14	2.80	-	6.74	-199	3.8		
10:35	12.80	300	4.8	15.13	2.88	-	6.71	-200.0	8		
10:40	12.85	300	5.2	15.13	2.89	-	6.71	-200.0	5.7		
10:45	12.90	300	5.5	15.09	2.91	-	6.68	-201.0	5.7		
Sample Collection Method: Peristaltic Pump		Date: 9/30/2016		Time: 1045		Total Volume of Water Purged (gal): 8 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: INJ-11D				Well Diameter: 4" SS			
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Cloudy, damp, 60°F											
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/29/2016		Time: 1030 (hhmm)		Initial Depth to Water 9.05			Depth to Bottom 21.74		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
10:35	9.45	400	0.5	15.40	0.251	0.00	7.84	-163	27.0	clear w/ black flecks	
10:40	9.75	400	1.1	15.47	0.265	0.00	7.65	-183	20.7	slow pump odor	
10:45	9.80	350	1.5	15.60	0.327	0.00	7.48	-210	14.5		
10:50	9.65	350	2.0	15.50	0.447	0.00	7.37	-244	62.2		
10:55	9.65	350	2.4	15.41	0.611	0.00	7.18	-289	45.2		
11:00	9.65	350	2.9	15.26	0.921	0.00	7.00	-348	5.97		
11:10	9.65	350	3.8	15.19	1.54	0.00	7.00	-363	7.02		
11:20	9.65	350	4.8	15.13	2.04	0.00	7.01	-365	8.05		
11:30	9.65	350	5.7	15.10	2.50	0.00	7.01	-365	8.22	~5 gal purged	
11:45	9.65	350	6.1	15.07	3.11	0.00	7.01	-359	7.80		
12:00	9.65	350	7.5	15.08	3.60	0.00	6.98	-356	7.60		
12:15	9.65	350	8.9	15.11	3.88	0.00	6.97	-358	7.31		
12:25	9.65	350	9.8	15.11	4.11	0.00	6.95	-360	7.22		
12:30	9.65	350	10.3	15.11	4.21	0.00	6.94	-360	7.32		
12:35	9.65	350	10.8	15.13	4.31	0.00	6.93	-359	6.62		
Sample Collection Method: Peristaltic Pump		Date: 9/29/2016		Time: 1235		Total Volume of Water Purged (gal): ~12gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: +ms/msd for dissolved metals and TOC. Sp. Cond. not 100% stable, >1 well vol purged, all other parameters stable after 2+ hr purge				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record													
Site Name: IP-BP Ekonol				Well ID: INJ-13D				Well Diameter: 4"					
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft					
Weather: Drizzling, Windy													
Purging Data:								feet below top of PVC					
Method: Low Flow		Date: 9/29/2016		Time: 1325 (hhmm)		Initial Depth to Water 7.95		Depth to Bottom 21.68					
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:			
13:30	8.70	200	0.3	16.35	2.388	0.63	7.35	-268.2	-				
13:35	8.91	200	0.5	16.37	2.351	0.52	7.39	-256.3	-				
13:40	9.40	200	0.8	16.38	2.325	0.39	7.44	-241.2	-				
13:45	9.75	200	1.1	16.39	2.257	0.47	7.47	-237.6	6.26				
13:50	10.30	200	1.3	16.42	1.990	0.55	7.53	-239.2	5.84				
13:55	10.80	200	1.6	16.48	1.685	0.49	7.58	-262.2	6.34				
14:00	11.00	200	1.8	16.49	1.655	0.49	7.58	-267.8	6.78				
14:05	11.50	200	2.1	16.36	1.632	0.44	7.50	-275.2	8.01				
14:10	11.70	200	2.4	16.35	1.666	0.44	7.48	-267.0	8.14				
14:15	11.93	200	2.6	16.34	1.674	0.44	7.47	-268.3	6.84				
14:20	12.20	200	2.9	16.31	1.933	0.38	7.37	-291.4	6.16				
14:25	12.45	200	3.2	16.30	2.017	0.37	7.34	-294.9	5.39				
14:30	12.60	200	3.4	16.31	2.033	0.36	7.30	-292.1	5.47				
14:35	12.75	200	3.7	16.20	2.274	0.34	7.19	-279.7	5.26				
14:40	12.90	200	4.0	16.16	2.388	0.33	7.15	-283.4	6.24				
Sample Collection Method:		Date: 9/29/2016		Time: 1530		Total Volume of Water Purged (gal): 8 gal							
Peristaltic Pump													
Hach Test Kits				Sample Set									
Alkalinity (mg/L)		N/A		Parameter		☐		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		☒		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		☒		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		☒		2-40mL amber glass vial		H2SO4		9060A	
DTW		13.35		M.E.E		☒		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		☐		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		☐		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		☐		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: INJ-13D				Well Diameter: 4"		Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft	
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Drizzling, Windy				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/29/2016		Time: 1325 (hhmm)		Initial Depth to Water 7.95		Depth to Bottom 21.68			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
14:45	12.90	200	4.3	16.11	2.664	0.32	7.05	-290.3	4.38		
14:50	12.95	200	4.5	16.10	2.798	0.33	7.00	-292.5	4.64		
14:55	13.00	200	4.8	16.09	2.894	0.32	6.95	-273.2	4.85		
15:00	13.05	200	5.1	16.07	3.002	0.31	6.92	-266.4	3.12		
15:05	13.10	200	5.3	15.99	3.244	0.28	6.87	-287.4	4.73		
15:10	13.15	200	5.6	15.99	3.413	0.27	6.85	-288.5	4.51		
15:15	13.20	200	5.8	16.01	3.528	0.25	6.80	-290.2	3.74		
15:20	13.25	200	6.1	15.95	3.705	0.25	6.78	-291.4	3.41		
15:25	13.30	200	6.4	15.90	3.742	0.24	6.74	-293.2	2.85		
15:30	13.35	200	6.6	15.90	3.765	0.23	6.73	-292.1	3.17		
Sample Collection Method:		Date: 9/29/2016		Time: 1530		Total Volume of Water Purged (gal): 8 gal					
Peristaltic Pump											
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		13.35		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-2S				Well Diameter: 2"		Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft	
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Drizzling, cold				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of inner casing					
Method: Low Flow		Date: 9/29/2016		Time: 08:45 (hhmm)		Initial Depth to Water 3.21			Depth to Bottom 11.95		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
8:50	3.83	150	0.2	19.10	4.996	0.13	6.51	81.2	15.2		
8:55	4.45	150	0.4	19.16	5.002	1.37	6.49	77.7	9.17		
9:00	5.45	150	0.6	19.22	5.013	7.24	6.48	51.9	7.43		
9:05	6.40	150	0.8	19.31	5.004	6.13	6.49	31.3	6.35		
9:10	7.55	150	1.0	19.58	4.957	4.45	6.50	29.0	5.12		
9:15	7.75	150	1.2	19.74	4.236	1.50	6.58	3.1	4.73		
9:20	7.80	150	1.4	19.71	3.116	1.01	6.64	-10.8	5.21		
9:25	7.80	150	1.6	20.00	3.173	1.11	6.57	-12.6	4.35		
9:30	7.80	150	1.8	19.63	3.774	1.09	6.53	-10.4	5.31		
9:35	7.80	150	2.0	19.63	3.914	0.91	6.53	-11.3	7.13		
9:40	7.80	150	2.2	19.64	4.282	0.77	6.53	-12.4	5.29		
9:45	7.80	150	2.4	19.65	4.548	0.62	6.54	-14.5	4.31		
9:50	7.80	150	2.6	19.48	4.681	0.56	6.55	-16.6	5.14		
9:55	7.80	150	2.8	19.47	4.709	0.53	6.56	-17.2	4.53		
10:00	7.80	150	3.0	19.46	4.761	0.51	6.57	-18.5	4.24		
Sample Collection Method:		Date: 9/29/2016		Time: 10:00		Total Volume of Water Purged (gal): 3.5 gal					
Peristaltic Pump											
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		7.8		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-9S				Well Diameter: 2"		Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft	
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Sunny, 70°F				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/28/2016		Time: 15:10 (hhmm)		Initial Depth to Water 7.87		Depth to Bottom 14.00			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
15:15	8.50	200	0.3	23.06	0.607	1.14	9.86	-229	55.8		
15:20	9.50	150	0.5	20.83	0.348	2.30	11.05	-249	39.1		
15:25	9.60	150	0.7	200.78	0.313	2.83	11.23	-198	27.3		
15:30	9.62	150	0.9	20.98	0.334	2.14	11.18	-191	33.9		
15:35	9.57	150	1.1	20.45	0.447	0.90	10.44	-159	22.7		
15:40	9.58	150	1.3	19.97	0.622	0.00	9.82	-136	20.7		
15:45	9.58	150	1.5	20.25	0.786	0.00	9.42	-122	10.6		
15:50	9.58	150	1.7	20.44	0.958	0.00	9.11	-115	7.5		
15:55	9.59	150	1.8	20.53	1.38	0.00	8.85	-111	5.4		
16:00	9.72	150	2.0	20.40	1.51	0.00	8.74	-108	4.5		
16:05	10.00	150	2.2	20.55	1.63	0.00	8.55	-105	3.5		
16:10	10.35	150	2.4	20.07	1.83	0.00	8.34	-100	2.8		
16:15	10.54	150	2.6	19.83	1.97	0.00	8.19	-96	2.6		
16:20	10.83	150	2.8	19.98	2.13	0.00	8.02	-93	2.4		
16:25	11.16	150	3.0	20.10	2.22	0.00	7.92	-92	2.1		
Sample Collection Method:		Date: 9/28/2016		Time: 16:50		Total Volume of Water Purged (gal): 4.5 gal					
Peristaltic Pump											
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		12.45		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: 3 well volumes purged; not stable but took grab sample. Well drawing down a little, specific conductivity and ph are still not stable at sample time.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	



Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-10S				Well Diameter: 2"			
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Showers, 60°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/29/2016		Time: 08:50 (hhmm)		Initial Depth to Water 7.80		Depth to Bottom 11.48			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
8:55	7.95	200	0.3	16.17	2.95	0.00	6.82	-25	23.4	clear, no odor	
9:00	8.00	250	0.6	15.57	2.88	0.00	6.89	-55	13.5		
9:05	8.00	250	0.9	15.37	2.72	0.00	6.90	-69	8.02		
9:10	8.01	250	1.3	15.22	2.47	0.00	6.93	-81	7.43		
9:15	8.01	250	1.6	15.09	2.21	0.00	6.95	-89	3.72		
9:20	8.01	250	1.9	14.93	1.97	0.00	9.96	-97	2.22		
9:25	8.02	250	2.2	14.84	1.84	0.00	6.97	-100	1.21		
9:30	8.02	250	2.6	14.80	1.76	0.00	6.98	-100	0.91		
9:35	8.02	250	2.9	14.79	1.69	0.00	6.99	-99	0.92		
9:40	8.02	250	3.2	14.75	1.61	0.00	7.00	-99	0.77		
9:45	8.02	250	3.6	14.72	1.55	0.00	7.01	-98	0.67		
9:50	8.03	250	3.9	14.67	1.52	0.00	7.03	-97	0.56		
9:55	8.03	250	4.2	14.66	1.48	0.00	7.04	-97	0.42		
10:00	8.03	250	4.6	14.64	1.49	0.00	7.05	-95	0.44		
Sample Collection Method: Peristaltic Pump		Date: 9/29/2016		Time: 10:05		Total Volume of Water Purged (gal): 5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		8.03		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: VOCs + MEE Collected with an MS/MSD for VOCs + MEE also collected.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-12S				Well Diameter: 2"			
Samplers: E. Laity				Water Volume Calculation				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
				1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Sunny, 70°F				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of inner casing					
Method: Low Flow		Date: 9/28/2016		Time: 11:20 (hhmm)		Initial Depth to Water: 9.15			Depth to Bottom: 12.91		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
11:25	9.50	200	0.3	23.22	9.38	0.00	6.98	-111	1.9	clear, no odor	
11:30	9.66	200	0.5	20.47	8.37	0.00	6.94	-184	1.1		
11:35	9.85	200	0.8	20.33	7.95	0.00	6.91	-207	0.0		
11:40	9.95	200	1.1	20.59	7.92	0.00	6.86	-223	0.0		
11:45	10.00	200	1.3	20.15	7.93	0.00	6.84	-235	0.0		
11:50	10.07	200	1.6	19.77	7.81	0.00	6.81	-248	0.0		
11:55	10.15	200	1.8	19.43	7.61	0.00	6.79	-255	0.0		
12:00	10.20	200	2.1	19.34	7.51	0.00	6.78	-259	0.0		
12:05	10.23	200	2.4	19.40	7.44	0.00	6.77	-261	0.2		
12:10	10.25	200	2.6	19.40	7.37	0.00	6.77	-264	0.7		
12:15	10.30	200	2.9	19.41	7.37	0.00	6.77	-264	0.7		
12:20	10.30	200	3.2	19.41	7.37	0.00	6.77	-264	0.7		
Sample Collection Method: Peristaltic Pump		Date: 9/28/2016		Time: 12:25		Total Volume of Water Purged (gal): 3 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: VOCs + MEE only				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record													
Site Name: IP-BP Ekonol				Well ID: MW-17D				Well Diameter: 2"					
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft					
Weather: Partly cloudy, Breezy, 65°F													
Purging Data:								feet below top of inner casing					
Method: Low Flow		Date: 9/27/2016		Time: 13:25 (hhmm)		Initial Depth to Water 11.10		Depth to Bottom 33.22					
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:			
13:30	11.50	250	0.3	17.71	1.70	0.31	8.34	-99	2.18	clear, no odor			
13:35	11.50	250	0.7	15.11	2.36	0.00	7.35	-180	0.55				
13:40	11.50	250	1.0	14.86	2.44	0.00	7.29	-184	0.15				
13:45	11.50	250	1.3	14.74	2.48	0.00	7.26	-190	0.29				
13:50	11.50	250	1.7	14.91	2.50	0.00	7.23	-198	0.36				
13:55	11.50	250	2.0	14.98	2.53	0.00	7.21	-207	0.25				
14:00	11.50	250	2.3	14.89	2.53	0.00	7.20	-215	0.27				
14:05	11.50	250	2.6	14.80	2.55	0.00	7.19	-221	0.28				
14:10	11.50	250	3.0	14.68	2.55	0.00	7.19	-229	0.43				
14:15	11.50	250	3.3	14.71	2.56	0.00	7.19	-233	0.32				
14:20	11.50	250	3.6	14.64	2.57	0.00	7.18	-237	0.46				
Sample Collection Method: Peristaltic Pump		Date: 9/27/2016		Time: 14:25		Total Volume of Water Purged (gal): 4.5 gal							
Hach Test Kits				Sample Set									
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method			
Carbon Dioxide (mg/L)		N/A		VOCs		☒		3-40 mL glass vial		HCL			
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		☐		1-500 mL poly(field filtered)		HNO3			
Hydrogen Sulfide (mg/L)		N/A		TOC		☐		2-40mL amber glass vial		H2SO4			
DTW		11.5		M.E.E		☒		3-40 mL glass vial		HCL			
Comments: VOCs/MEE only.				Sulfide		☐		1- 250mL glass (field filtered)		NaOH/Zn Acetate			
				Sulfate		☐		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		☐		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-19D				Well Diameter: 2"			
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Sunny, 60°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/27/2016		Time: 9:55 (hhmm)		Initial Depth to Water 9.65		Depth to Bottom 27.2			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
10:00	9.95	300	0.4	16.96	5.382	3.31	7.19	9.3	MAX		
10:05	9.95	300	0.8	15.54	5.400	3.44	6.60	-13.0	53.7		
10:10	9.95	300	1.2	16.54	5.387	2.65	6.59	-12.2	49.4		
10:15	9.95	300	1.6	16.52	4.590	0.83	6.63	-8.4	32.4		
10:20	9.95	300	2.0	16.45	3.124	0.99	6.71	0.4	18.7		
10:25	9.95	300	2.4	16.38	2.341	1.62	6.76	2.2	17		
10:30	9.95	300	2.8	16.50	3.200	1.11	6.67	9.1	14.3		
10:35	9.95	300	3.2	16.63	3.570	0.87	6.63	10.7	11.4		
10:40	9.95	300	3.6	16.64	4.097	0.61	6.59	12.0	19.3		
10:45	9.95	300	4.0	16.47	4.322	0.49	6.57	12.2	19.80		
10:50	9.95	300	4.4	16.58	4.613	0.34	6.54	13.9	19.40		
10:55	9.95	300	4.8	16.61	4.763	0.28	6.54	13.7	18.6		
11:00	9.95	300	5.2	16.61	4.783	0.27	6.54	13.2	18.5		
11:05	9.95	300	5.5	16.61	4.800	0.27	6.53	12.7	17.4		
Sample Collection Method: Peristaltic Pump		Date: 9/27/2016		Time: 11:05		Total Volume of Water Purged (gal): 7.5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		9.95		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-20D				Well Diameter: 2"		Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft	
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Weather: Partly Cloudy, 65°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/27/2016		Time: 11:50 (hhmm)		Initial Depth to Water 10.20		Depth to Bottom 29.38			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
11:55	10.55	375	0.5	18.54	2.046	0.85	7.37	18.2	57.3		
12:00	10.55	375	1.0	17.47	2.039	0.20	7.12	-42.4	1.71		
12:05	10.55	375	1.5	17.40	2.043	0.24	7.09	-57.4	2.13		
12:10	10.55	375	2.0	17.37	4.150	0.28	7.03	-80.0	1.83		
12:15	10.55	375	2.5	17.24	2.193	0.26	7.02	-87.3	1.53		
12:20	10.55	375	3.0	17.06	2.296	0.20	7.00	-92.4	1.64		
12:25	10.55	375	3.5	17.06	2.331	0.19	6.99	-95.1	1.51		
12:30	10.55	375	4.0	17.08	2.338	0.19	6.99	-97.3	1.45		
12:35	10.55	375	4.5	17.11	2.363	0.18	6.98	-96.4	1.36		
12:40	10.55	375	5.0	17.45	2.418	0.15	6.97	-98.6	1.42		
12:45	10.55	375	5.4	17.44	2.423	0.15	6.97	-98.7	1.56		
Sample Collection Method:		Date: 9/27/2016		Time: 12:45		Total Volume of Water Purged (gal): 7 gal					
Peristaltic Pump											
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		10.55		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: VOCs/MEE only				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-21D				Well Diameter: 4"			
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Partly cloudy, Breezy, 65°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/27/2016		Time: 11:20 (hhmm)		Initial Depth to Water 9.85		Depth to Bottom 31.64			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
11:25	9.85	250	0.3	17.92	0.836	0.00	9.30	-299	8.21	odor, clear	
11:30	9.85	250	0.7	17.72	0.809	0.00	9.42	-315	4.64		
11:35	9.85	250	1.0	17.21	0.804	0.00	9.52	-335	3.94		
11:40	9.85	250	1.3	17.08	0.806	0.00	9.47	-364	3.05		
11:45	9.85	250	1.7	17.00	0.808	0.00	9.45	-372	2.60		
11:50	9.85	250	2.0	16.93	0.829	0.00	9.36	-393	2.51		
11:55	9.85	250	2.3	16.89	0.871	0.00	9.33	-371	1.80		
12:00	9.85	250	2.6	16.75	0.927	0.00	9.11	-327	1.74		
12:05	9.85	250	3.0	16.74	0.971	0.00	8.66	-305	1.48		
12:10	9.85	250	3.3	16.71	1.01	0.00	8.14	-265	1.43		
12:15	9.85	250	3.6	16.38	1.05	0.00	7.95	-247	1.21		
12:20	9.85	250	4.0	16.22	1.50	0.00	7.61	-206	1.10		
12:25	9.85	250	4.3	16.24	1.88	0.00	7.48	-189	0.76		
12:30	9.85	250	4.6	16.27	1.77	0.00	7.47	-188	1.60		
12:35	9.85	250	5.0	16.22	1.97	0.00	7.41	-184	0.77		
Sample Collection Method: Peristaltic Pump		Date: 9/27/2016		Time: 12:55		Total Volume of Water Purged (gal): 6 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		9.85		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: pH is high compared to the spring readings at the start of purging. pH dropped with time. VOCs/MEE only				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

[illegible]

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: OR-4SM				Well Diameter: 2"		Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft	
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Weather: Partly cloudy, 70°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/28/2016		Time: 12:45 (hhmm)		Initial Depth to Water 4.92		Depth to Bottom 12.32			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
12:50	4.95	225	0.3	24.37	2.93	0.00	6.99	-102	22.7	clear, with grey flecks	
13:00	5.00	225	0.9	21.08	3.58	0.00	6.68	-171	4.7		
13:05	5.02	225	1.2	20.86	3.61	0.00	6.67	-203	6.9		
13:15	5.05	225	1.8	21.08	3.72	0.00	6.68	-234	4.7		
13:25	5.05	225	2.4	21.16	3.78	0.00	6.67	-257	1.7		
13:35	5.08	225	3.0	21.31	3.83	0.00	6.67	-281	1.3		
13:40	5.10	225	3.3	20.89	3.87	0.00	6.68	-294	1.6		
13:45	5.11	225	3.6	20.86	3.88	0.00	6.68	-300	1.9		
13:50	5.11	225	3.9	20.71	3.91	0.00	6.68	-327	1.2		
13:55	5.11	225	4.2	20.74	3.92	0.00	6.68	-335	1.3		
14:00	5.15	225	4.5	20.53	3.94	0.00	6.68	-349	2.0		
14:05	5.15	225	4.8	20.45	3.97	0.00	6.68	-361	2.9		
14:10	5.15	225	5.1	20.39	3.98	0.00	6.68	-368	2.1		
14:15	5.15	225	5.3	20.38	4.00	0.00	6.68	-380	2.6		
14:20	5.16	225	5.6	20.45	4.01	0.00	6.68	-388	5.4		
Sample Collection Method:		Date: 9/28/2016		Time: 14:45		Total Volume of Water Purged (gal): 7.5 gal					
Peristaltic Pump											
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		5.19		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: Effervescing during sampling. Water placed in non-haz drum. ORP not stable at sampling, purged 2hrs and > 3 well volumes. Grab sampled at 14:45.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: OR-10SM				Well Diameter: 2"			
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Sunny, 65°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/28/2016		Time: 08:35 (hhmm)		Initial Depth to Water 8.40		Depth to Bottom 11.53			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
8:40	9.35	200	0.3	17.75	0.154	0.00	6.85	-32	384		
8:45	9.65	200	0.5	17.99	0.175	0.00	7.08	-113	126		
8:50	9.70	200	0.8	18.08	0.234	0.00	7.14	-137	102		
8:55	9.75	200	1.1	18.25	0.315	0.00	7.11	-156	44.4		
9:00	9.73	200	1.3	18.31	0.423	0.00	7.06	-165	31.6		
9:05	9.73	200	1.6	18.38	0.482	0.00	7.00	-174	24.9		
9:10	9.73	200	1.8	18.56	0.578	0.00	6.97	-188	8.5		
9:15	9.73	200	2.1	18.88	0.705	0.00	9.92	-209	4.5		
9:20	9.73	200	2.4	19.08	0.755	0.00	9.92	-220	0.5		
9:25	9.73	200	2.6	19.39	0.841	0.00	6.89	-231	0.0		
9:30	9.73	200	2.9	19.58	0.902	0.00	6.88	-241	0.3		
9:35	9.75	200	3.2	19.68	0.955	0.00	6.87	-247	0.0		
9:40	9.78	200	3.4	19.77	1.02	0.00	6.85	-253	0.0		
9:45	9.78	200	3.7	19.87	1.06	0.00	6.83	-258	0.5		
9:50	9.80	200	4.0	20.04	1.10	0.00	6.82	-262	0.3		
Sample Collection Method: Peristaltic Pump		Date: 9/28/2016		Time: 10:45		Total Volume of Water Purged (gal): 7 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		9.98		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: > 3 well volumes collected. All stable except Specific conductivity. Collected MS/MSD for TOC and MEE parameters.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: OR-14SM				Well Diameter: 2"			
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Cloudy, 60°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/26/2016		Time: 10:52 (hhmm)		Initial Depth to Water 9.30		Depth to Bottom 11.50			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
10:55	10.05	150	0.2	19.25	0.310	0.00	6.19	-117	62.2	cloudy, minor black flecks	
11:00	10.30	150	0.4	19.13	0.332	0.00	6.21	-154	52.3		
11:05	10.45	150	0.6	18.87	0.473	0.00	6.39	-232	39.2		
11:10	10.55	150	0.8	18.79	0.577	0.00	6.52	-284	21.2		
11:15	10.60	150	1.0	18.66	0.640	0.00	6.57	-309	16		
11:20	10.65	150	1.2	18.53	0.695	0.00	6.61	-323	12.82		
11:25	10.70	150	1.4	18.39	0.748	0.00	6.64	-353	9.56		
11:30	10.75	150	1.6	18.36	0.764	0.00	6.65	-376	9.69		
11:35	10.80	150	1.8	18.30	0.794	0.00	6.65	-389	9.23		
11:40	10.83	150	2.0	18.29	0.816	0.00	6.66	-400	10.56		
11:45	10.85	150	2.2	18.27	0.849	0.00	6.66	-402	11.29		
11:50	10.86	150	2.4	18.34	0.871	0.00	6.65	-403	8.14		
11:55	10.86	150	2.6	18.40	0.871	0.00	6.65	-405	7.81		
Sample Collection Method: Peristaltic Pump		Date: 9/26/2016		Time: 12:00		Total Volume of Water Purged (gal): 2.5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		10.86		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: Air bubbles during purge.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-1D				Well Diameter: 4"			
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Rain and Clouds, 60°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/26/2016		Time: 14:45 (hhmm)		Initial Depth to Water 9.15		Depth to Bottom 23.00			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
14:50	9.45	175	0.2	16.45	4.03	0.00	7.37	-180	100	grey with black flecks	
14:55	9.60	175	0.5	15.97	4.10	0.00	7.53	-244	22.5	Odor	
15:00	10.10	175	0.7	15.82	4.10	0.00	7.57	-257	20.1		
15:05	10.60	250	1.0	15.63	4.06	0.00	7.61	-267	18		
15:10	10.65	250	1.4	15.62	4.05	0.00	7.61	-267	16.6		
15:15	11.25	250	1.7	15.46	4.03	0.00	7.62	-267	16.6		
15:20	11.70	300	2.1	15.35	4.00	0.00	7.59	-259	14.4		
15:25	12.05	300	2.5	15.36	4.00	0.00	7.58	-256	11.5		
15:30	12.45	300	2.9	15.39	3.93	0.00	7.60	-259	11.6		
15:40	13.25	250	3.5	15.44	3.90	0.00	7.59	-257	13.4		
15:50	14.15	250	4.2	15.40	3.87	0.00	7.55	-251	14.5		
16:00	14.90	250	4.9	15.52	3.87	0.00	7.52	-246	16.0		
16:10	15.60	250	5.5	15.66	3.84	0.00	7.48	-241	16.1		
16:20	16.25	250	6.2	15.69	3.83	0.00	7.45	-237	19.1	slightly cloudy	
16:30	16.80	250	6.8	15.72	3.83	0.00	7.43	-233	17.6		
Sample Collection Method: Peristaltic Pump		Date: 9/26/2016		Time: 16:35		Total Volume of Water Purged (gal): 6.5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		16.8		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: Duplicate collected. Named PMW-51D. Time listed as 9:00hrs.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-1S				Well Diameter: 2"			
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Partly Cloudy 60°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/26/2016		Time: 9:05 (hhmm)		Initial Depth to Water 3.05		Depth to Bottom 12.02			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
9:15	3.45	200	0.3	20.17	6.453	0.94	6.68	-75.2	4.41		
9:20	3.40	200	0.5	19.74	6.122	0.57	6.71	-176.9	4.53		
9:25	3.40	200	0.8	19.78	6.124	0.36	6.71	-196.0	2.66		
9:30	3.40	200	1.1	17.76	6.097	0.24	6.70	-244.4	1.83		
9:35	3.40	200	1.3	19.71	6.099	0.22	6.69	-264.9	1.65		
9:40	3.40	200	1.6	19.74	6.081	0.16	6.66	-273.2	1.74		
9:45	3.40	200	1.8	19.70	6.068	0.14	6.65	-278.4	1.63		
9:50	3.40	200	2.1	19.61	6.018	0.14	6.62	-280.9	1.56		
9:55	3.40	200	2.4	19.61	5.947	0.14	6.62	-280.1	1.5		
10:00	3.40	200	2.6	19.60	5.941	0.15	6.61	-278.5	1.36		
Sample Collection Method: Peristaltic Pump		Date: 9/26/2016		Time: 10:00		Total Volume of Water Purged (gal): 2.5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		3.4		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-2D				Well Diameter: 2"			
Samplers: E. Thalhamer				Water Volume Calculation				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
				1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Overcast, breezy				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of PVC					
Method: Low Flow		Date: 9/30/2016		Time: 1320 (hhmm)		Initial Depth to Water: 9.40			Depth to Bottom: 23.95		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
13:25	10.20	200	0.3	18.01	4.97	-	6.70	-315	11.9		
13:30	11.10	200	0.5	17.06	5.01	-	6.51	-327	10.8		
13:35	12.20	200	0.8	16.93	5.00	-	6.47	-331	11.6		
13:40	13.50	200	1.1	16.91	5.03	-	6.48	-334	15.3		
13:45	14.70	200	1.3	16.90	5.04	-	6.50	-339	19.8		
13:50	15.70	150	1.5	16.90	5.04	-	6.51	-342	14.5		
13:55	16.15	150	1.7	16.94	5.02	-	6.52	-343	14.9		
14:00	16.45	150	1.9	16.96	5.02	-	6.51	-344	15.8		
14:05	16.55	150	2.1	17.00	5.02	-	6.51	-345	14.5		
Sample Collection Method: Peristaltic Pump		Date: 9/30/2016		Time: 1405		Total Volume of Water Purged (gal): 3 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: DO equipment malfunction.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-3S				Well Diameter: 2"			
Samplers: J. Kelly				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Overcast, 61°F											
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/30/2016		Time: 0945 (hhmm)		Initial Depth to Water 7.11		Depth to Bottom 11.70			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
9:50	7.66	150	0.2	18.96	4.52	2.10	6.26	116.9	7.34		
9:55	7.91	150	0.4	18.80	4.50	5.76	6.29	106.4	7.10		
10:00	8.34	150	0.6	19.17	4.89	5.41	6.38	91.0	6.38		
10:05	8.65	150	0.8	19.15	4.06	3.02	6.38	74.6	10.11		
10:10	8.69	150	1.0	19.15	4.12	1.95	6.38	64.4	9.84		
10:15	8.74	150	1.2	18.92	4.26	1.19	6.38	41.0	11.29		
10:20	8.77	150	1.4	18.77	4.37	0.69	6.38	15.2	11.29		
10:25	8.86	150	1.6	18.68	4.47	0.49	6.39	-37.2	9.69		
10:30	8.94	150	1.8	18.61	4.59	0.36	6.40	-112.8	8.83		
10:35	9.06	150	2.0	18.68	4.66	0.30	6.41	-147.4	7.66		
10:40	9.10	150	2.2	18.53	4.69	0.27	6.40	-166.3	7.58		
10:45	9.15	150	2.4	18.51	4.71	0.27	6.41	-202.3	7.87		
10:50	9.20	150	2.6	18.40	4.71	0.25	6.40	-210.9	7.65		
10:55	9.25	150	2.8	18.41	4.72	0.23	6.40	-253.3	9.97		
11:00	9.27	150	3.0	18.41	4.72	0.23	6.40	-267.5	9.17		
Sample Collection Method: Peristaltic Pump		Date: 9/30/2016		Time: 1130		Total Volume of Water Purged (gal): 5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record										
Site Name: IP-BP Ekonol			Well ID: PMW-4S			Well Diameter: 2"				
Samplers: E. Thalhamer			Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot			Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft				
Weather: Partly Cloudy, Breezy, 75°F										
Purging Data:						feet below top of inner casing				
Method: Low Flow		Date: 9/28/2016		Time: 10:20 (hhmm)		Initial Depth to Water 7.95		Depth to Bottom 11.6		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
10:25	8.25	100	0.1	21.11	0.596	1.65	7.71	-167.7	12.9	
10:30	8.30	100	0.3	21.06	0.584	3.74	7.31	-124.1	11.61	
10:35	8.25	100	0.4	21.16	0.625	5.22	7.16	-83.0	11.41	
10:40	8.25	100	0.5	21.35	0.660	6.29	7.10	-51.5	6.72	
10:45	8.30	100	0.7	21.41	0.673	6.87	7.08	-29.3	7.32	
10:50	8.30	100	0.8	21.56	0.684	7.01	7.06	-21.7	6.41	
10:55	8.30	100	0.9	20.42	0.655	7.30	7.10	-23.0	8.69	
11:00	8.75	100	1.1	19.31	0.604	5.01	7.04	-51.9	16.5	
11:05	9.05	100	1.2	19.45	0.822	2.50	6.90	-72.2	9.86	
11:10	9.30	100	1.3	19.46	1.080	1.81	6.82	-74.9	10.29	
11:15	9.50	100	1.5	19.35	1.269	1.51	6.80	-81.1	6.90	
11:20	9.95	100	1.6	19.18	1.365	1.15	6.81	-79.4	7.43	
11:25	10.15	100	1.7	19.05	1.392	0.93	6.82	-67.2	9.37	
11:30	10.60	100	1.6	18.81	1.526	0.87	6.85	-69.6	17.1	
11:35	11.60	100	1.7	18.56	1.618	2.97	6.96	-55.4	21.4	DRY
9/27/2016										
14:50	6.25	-	-	21.63	0.475	2.81	7.65	-89.1	16.3	Grab Sampled
Sample Collection Method: Peristaltic Pump		Date: 9/27/2016		Time: 14:50		Total Volume of Water Purged (gal): >1gal				
Hach Test Kits				Sample Set						
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method
Carbon Dioxide (mg/L)		N/A		VOCs		☒		3-40 mL glass vial		HCL
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		☒		1-500 mL poly(field filtered)		HNO3
Hydrogen Sulfide (mg/L)		N/A		TOC		☒		2-40mL amber glass vial		H2SO4
DTW		-		M.E.E		☒		3-40 mL glass vial		HCL
Comments: Slugs of air in the line at start of purge. Collected MS/MSD for Dissolved Fe + K. Purged dry 9/26/2016. Grab sampled 9/27/2016. Recharged to 6.25ft.				Sulfide		☐		1- 250mL glass (field filtered)		NaOH/Zn Acetate
				Sulfate		☐		2-40 mL glass vial (field filtered)		unpreserved
				Microbial Population		☐		In-line filter		N/A
								CENSUS		

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-6D				Well Diameter: 2"			
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Breezy, 60°F											
Purging Data:								feet below top of inner casing			
Method: Low Flow		Date: 9/27/2016		Time: 13:35 (hhmm)		Initial Depth to Water 10.70		Depth to Bottom 25.14			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
13:40	12.65	250	0.3	17.31	5.183	0.13	6.91	-317.3	MAX		
13:45	14.20	250	0.7	16.54	5.376	1.52	6.87	-337.7	8.83		
13:50	16.19	250	1.0	16.71	5.351	0.39	6.88	-337.6	7.43		
13:55	18.11	250	1.3	16.67	5.409	0.33	6.89	-331.2	6.21		
14:00	20.21	250	1.7	16.55	5.405	0.26	6.90	-320.6	5.31		
14:05	21.30	250	2.0	16.56	5.407	0.24	6.90	-328.6	3.74		
14:10	22.12	250	2.3	16.58	5.401	0.22	6.95	-335.8	9.37	Dry	
9/28/2016											
12:40	18.25	-	-	22.23	5.686	2.09	6.84	-334.2	64.3	Grab Sampled	
Sample Collection Method: Peristaltic Pump		Date: 9/28/2016		Time: 12:40		Total Volume of Water Purged (gal): 2.5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		18.25		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: Recharged to 18.25ft btic on 9-28-16. Grab Sampled.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: MW-7D				Well Diameter: 4"			
Samplers: J. Kelly				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Cloudy 60°F											
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/30/2016		Time: 1210 (hhmm)		Initial Depth to Water 9.42		Depth to Bottom 26.57			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
12:30	9.66	250	0.3	17.34	0.623	0.63	8.48	-201.4	718	Clear with black particulates	
12:35	9.70	250	0.7	17.11	1.069	0.35	7.54	-198.6	853		
12:40	9.74	250	1.0	16.94	1.31	0.43	7.29	-253.3	835		
12:45	9.75	250	1.3	16.93	1.34	0.47	7.22	-262.8	767		
12:50	9.78	300	1.7	16.93	1.36	0.49	7.20	-264.1	802		
12:55	9.79	300	2.1	16.90	1.47	1.11	7.08	-297.1	760		
13:00	9.79	300	2.5	16.82	1.82	1.20	6.84	-333.1	611		
13:05	9.79	300	2.9	16.90	1.90	1.10	6.82	-338.2	-	Turbidity meter malfunction	
13:10	9.79	300	3.3	16.94	2.19	0.61	6.75	-345.5	-		
13:15	9.79	300	3.7	16.92	2.36	0.54	6.71	-346.6	-		
13:20	9.79	300	4.1	16.99	2.48	0.48	6.67	-352.2	-		
13:25	9.79	300	4.5	16.99	2.84	0.44	6.58	-354.4	-		
13:30	9.79	300	4.9	17.04	3.21	0.39	6.54	-355.6	-		
13:35	9.79	300	5.3	17.10	3.19	0.32	6.55	-355.4	-		
13:40	9.79	300	5.7	17.11	3.19	0.30	6.54	-355.8	-		
Sample Collection Method: Peristaltic Pump		Date: 9/30/2016		Time: 1345		Total Volume of Water Purged (gal): 7 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

[illegible]

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-9D				Well Diameter: 4" S.S.			
Samplers: M. Kuczka				Water Volume Calculation				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
				1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Sunny 75°F				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of PVC					
Method: Low Flow		Date: 9/28/2016		Time: 1430 (hhmm)		Initial Depth to Water: 8.98			Depth to Bottom: 14.00		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
14:35	9.44	250	0.3	19.35	4.142	1.46	7.36	-223.8	15.70	black flecks, clear	
14:40	10.07	250	0.7	18.57	4.141	0.59	7.45	-290.9	15.90		
14:45	10.60	250	1.0	18.89	4.143	0.57	7.45	-196.4	18.70		
14:55	11.76	250	1.3	19.03	4.170	0.63	7.23	-234.7	19.70	*Skipped 10 min	
15:00	12.14	250	1.7	18.94	4.165	0.70	7.20	-201.5	15.90		
15:03	-	250	2.0	18.75	4.185	0.86	7.16	-189.5	-	Dry, 2.5 gal purged	
Sample Collection Method: Peristaltic Pump		Date: 9/29/2016		Time: 1600		Total Volume of Water Purged (gal): 2.5 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW				M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: 9/29/16 - recharged to 9.90 @16:00, collected grab sample				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-10D				Well Diameter: 4"			
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
Weather: Overcast, Breezy											
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/29/2016		Time: 1040 (hhmm)		Initial Depth to Water 8.90		Depth to Bottom 21.4			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
10:45	9.15	200		17.66	5.539	4.48	7.14	-103.8	83.5	Black specks in water, turbidimeter not registering	
10:50	9.65	200		17.19	5.424	0.30	7.31	-210.2	-		
10:55	10.10	200		17.19	5.412	0.30	7.35	-201.7	-		
11:00	10.30	200		17.18	5.385	0.30	7.41	-195.3	-		
11:05	10.45	200		17.17	5.353	0.30	7.44	-183.3	15.6		
11:10	10.70	200		17.20	5.332	0.29	7.45	-173.9	14.50		
11:15	11.15	200		17.27	5.131	0.35	7.16	-179.7	13.90		
11:20	11.45	200		17.28	5.014	0.37	7.04	-181.3	12.70		
11:25	11.70	200		17.32	4.756	0.38	6.53	-188.9	11.80		
11:30	11.85	200		17.31	4.708	0.34	6.43	-196.1	11.60		
11:35	11.98	200		17.27	4.686	0.28	6.22	-220.3	8.12		
11:40	12.25	200		17.25	4.714	0.25	6.13	-237.3	8.78		
11:45	12.50	200		17.20	4.737	0.23	6.09	-245.0	9.54		
11:50	12.67	200		17.17	4.763	0.21	6.06	-276.9	9.03		
11:55	12.80	200		17.16	4.840	0.19	6.01	-312.5	8.77		
Sample Collection Method: Peristaltic Pump		Date: 9/29/2016		Time: 1225		Total Volume of Water Purged (gal): 6gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		13.25		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: Collected duplicate for all paramaters (PMW-60D). Turbidity meter malfuction.				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: PMW-16D				Well Diameter: 4"			
Samplers: E. Thalhamer				Water Volume Calculation				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
				1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Overcast, Slight Breeze				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of PVC					
Method: Low Flow		Date: 9/30/2016		Time: 1150 (hhmm)		Initial Depth to Water: 9.05'			Depth to Bottom: 21.81		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
11:55	9.10	400	0.53	16.71	0.826	-	8.69	-299	Max	Dark, strong odor	
12:00	9.20	400	1.06	15.48	2.80	-	6.62	-319	73.3		
12:05	9.20	400	1.59	15.46	2.80	-	6.67	-352	31.2		
12:10	9.20	400	2.11	15.52	2.68	-	6.76	-367	32.3		
12:15	9.20	400	2.64	15.50	2.37	-	6.90	-373	24.4		
12:20	9.20	400	3.17	15.66	2.22	-	7.01	-381	17.5		
12:25	9.20	400	3.70	15.67	2.15	-	7.06	-387	11.8		
12:30	9.20	400	4.23	15.67	2.03	-	7.08	-388	8.9		
12:35	9.20	400	4.76	15.71	2.00	-	7.10	-388	7.2		
12:40	9.20	400	5.28	15.77	2.00	-	7.11	-388	5.1		
12:45	9.20	400	5.81	15.74	1.99	-	7.11	-387	5.3		
Sample Collection Method: Peristaltic Pump		Date: 9/30/2016		Time: 1245		Total Volume of Water Purged (gal): 8 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		9.2		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record													
Site Name: IP-BP Ekonol				Well ID: PMW-17D				Well Diameter: 4"					
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft					
Weather: Overcast, breezy, 65°F													
Purging Data:								feet below top of inner casing					
Method: Low Flow		Date: 9/28/2016		Time: 10:30 (hhmm)		Initial Depth to Water 9.38		Depth to Bottom 22.34					
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:			
10:35	9.70	250	0.3	18.33	0.619	0.29	8.66	-266.8	8.95				
10:40	9.85	250	0.7	18.41	0.633	0.29	8.95	-253.3	7.84				
10:45	9.95	250	1.0	18.26	0.763	0.30	8.94	-280.5	8.51				
10:50	9.97	250	1.3	18.27	0.813	0.30	8.81	-291.3	8.24				
10:55	10.00	250	1.7	18.28	0.952	0.32	8.72	-299.4	7.13				
11:00	10.05	250	2.0	18.47	1.120	0.33	8.47	-300.5	8.13				
11:05	10.05	250	2.3	18.58	1.302	0.39	8.23	-325.9	6.54				
11:10	10.05	250	2.6	18.35	1.436	0.48	7.97	-339.9	7.54				
11:15	10.05	250	3.0	18.42	1.484	0.54	7.86	-345.6	7.23				
11:20	10.05	250	3.3	18.44	1.589	0.81	7.69	-344.7	6.73				
11:25	10.05	250	3.6	18.53	1.648	1.04	7.53	-336.9	7.49				
11:30	10.05	250	4.0	18.51	1.699	1.13	7.44	-342.7	7.83				
11:35	10.05	250	4.3	18.23	1.747	1.21	7.36	-345.3	8.27				
11:40	10.05	250	4.6	18.09	2.070	1.50	7.09	-349.7	8.65				
11:45	10.05	250	5.0	18.05	2.336	0.77	6.95	-346.7	7.91				
Sample Collection Method: Peristaltic Pump		Date: 9/28/2016		Time: 12:15		Total Volume of Water Purged (gal): 8 gal							
Hach Test Kits				Sample Set									
Alkalinity (mg/L)		N/A		Parameter		☐		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		☒		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		☒		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		☒		2-40mL amber glass vial		H2SO4		9060A	
DTW		10.05		M.E.E		☒		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		☐		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		☐		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		☐		In-line filter		N/A		CENSUS	

[illegible]

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: RMW-2D				Well Diameter: 2"			
Samplers: J. Kelly				Water Volume Calculation				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft			
				1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64							
Weather: Cloudy 60°F				gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Purging Data:						feet below top of PVC					
Method: Low Flow		Date: 9/30/2016		Time: 15:25 (hhmm)		Initial Depth to Water: ~7'-8'			Depth to Bottom: NA		
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
15:30	-	200	0.3	18.67	2.33	4.91	6.25	-332.5	21.1	Cloudy with black particulates. Well sticky, difficult to get W.L.	
15:35	-	200	0.5	18.62	2.36	1.11	6.29	-351.9	20		
15:40	-	200	0.8	18.66	2.37	1.05	6.30	-355.0	53.6		
15:45	-	200	1.1	18.49	2.40	0.78	6.40	-360.0	41.7		
15:50	-	200	1.3	18.50	2.47	0.65	6.50	-370.5	31.6		
15:55	9.05	200	1.6	18.19	2.51	0.56	6.60	-370.5	45.6		
16:00	-	200	1.8	17.95	2.59	0.51	6.60	-370.5	41.9		
16:05	-	200	2.1	17.79	2.68	0.47	6.62	-369.9	45.9		
16:10	-	200	2.4	17.76	2.70	0.46	6.63	-368.3	49.2		
16:15	-	200	2.6	17.78	2.78	0.43	6.62	-366.7	66.10		
Sample Collection Method: Peristaltic Pump		Date: 9/30/2016		Time: 1620		Total Volume of Water Purged (gal): 3 gal					
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		-		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments:				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Low Flow Sampling Record													
Site Name: IP-BP Ekonol				Well ID: RMW-3D				Well Diameter: 2"					
Samplers: E. Thalhamer				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot				Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft					
Weather: Sunny, 55°F													
Purging Data:								feet below top of inner casing					
Method: Low Flow		Date: 9/28/2016		Time: 08:40 (hhmm)		Initial Depth to Water 9.20		Depth to Bottom 26.26					
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:			
8:45	9.20	250	0.3	16.69	3.277	0.73	6.81	-322.0	2.78				
8:50	9.20	250	0.7	16.60	2.927	1.59	6.87	-317.4	1.38				
8:55	9.20	250	1.0	16.50	1.983	4.50	7.10	-330.2	3.87				
9:00	9.20	250	1.3	16.35	1.880	4.46	7.13	-326.4	2.53				
9:05	9.20	250	1.7	16.18	1.815	3.75	7.14	-232.2	1.45				
9:10	9.20	250	2.0	16.16	1.791	3.03	7.14	-320.8	1.93				
9:15	9.20	250	2.3	16.18	1.774	2.22	7.13	-321.2	1.52				
9:20	9.20	250	2.6	16.19	1.751	1.65	7.14	-322.8	1.13				
9:25	9.20	250	3.0	16.24	1.740	1.05	7.13	-305.1	0.94				
9:30	9.20	250	3.3	16.19	1.737	0.96	7.13	-309.4	1.83				
9:35	9.20	250	3.6	16.10	1.726	0.63	7.12	-313.6	1.27				
9:40	9.20	250	4.0	15.98	1.722	0.55	7.12	-307.2	1.05				
9:45	9.20	250	4.3	16.07	1.714	0.48	7.11	-316.9	0.96				
9:50	9.20	250	4.6	16.27	1.709	0.44	7.10	-316.0	1.23				
9:55	9.20	250	5.0	16.24	1.710	0.42	7.10	-321.1	0.93				
Sample Collection Method:		Date:		Time:		Total Volume of Water Purged (gal):							
Peristaltic Pump		9/28/2016		09:55		6 gal							
Hach Test Kits				Sample Set									
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method			
Carbon Dioxide (mg/L)		N/A		VOCs		☒		3-40 mL glass vial		HCL			
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		☒		1-500 mL poly(field filtered)		HNO3			
Hydrogen Sulfide (mg/L)		N/A		TOC		☒		2-40mL amber glass vial		H2SO4			
DTW		9.2		M.E.E		☒		3-40 mL glass vial		HCL			
Comments:				Sulfide		☐		1- 250mL glass (field filtered)		NaOH/Zn Acetate			
				Sulfate		☐		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		☐		In-line filter		N/A		CENSUS	

Low Flow Sampling Record											
Site Name: IP-BP Ekonol				Well ID: RMW-4D				Well Diameter: 2"		Acceptance Criteria: Temp ± 3% pH ± 0.1 unit Sp. Cond. ± 3% ORP ± 10mV DO ± 10% Turbidity <50 NTU Drawdown <0.3 ft	
Samplers: E. Laity				Water Volume Calculation 1 inch= 0.041 6 inch= 1.4 1.5 inch= 0.092 8 inch= 2.5 2 inch= 0.163 10 inch= 4 4 inch= 0.64 gal = (Total Depth of Well - Depth to Water) × Casing volume per foot							
Weather: Cloudy, Breezy 60°F											
Purging Data:								feet below top of PVC			
Method: Low Flow		Date: 9/29/2016		Time: 1430 (hhmm)		Initial Depth to Water 9.60		Depth to Bottom 28.74			
Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:	
14:35	10.65	200	0.3	15.73	2.91	0.00	7.32	-343	10.36	Clear w/ black flecks	
14:40	11.45	200	0.5	15.61	2.58	0.00	7.29	-346	9.25	odor	
14:45	11.65	200	0.8	15.76	2.18	0.00	7.19	-345	9.53		
14:50	11.76	200	1.1	15.63	2.07	0.00	7.15	-344	7.08		
14:55	11.80	200	1.3	15.54	2.09	0.00	7.15	-345	6.70		
15:00	11.75	200	1.6	15.49	2.18	0.00	7.06	-345	5.75		
15:05	11.75	200	1.8	15.45	2.33	0.00	7.02	-346	4.89		
15:10	11.80	200	2.1	15.42	2.66	0.00	6.95	-347	3.65		
15:15	11.80	200	2.4	15.43	2.95	0.00	6.91	-347	3.37		
15:20	11.83	200	2.6	15.36	3.07	0.00	6.89	-347	2.57		
15:25	11.84	200	2.9	15.28	3.16	0.00	6.89	-347	2.59		
15:30	11.85	200	3.2	15.21	3.23	0.00	6.88	-348	2.55		
15:35	11.86	200	3.4	15.22	3.26	0.00	6.87	-348	2.70		
15:40	11.87	200	3.7	15.15	3.28	0.00	6.88	-348	3.11		
15:45	11.90	200	4.0	15.13	3.34	0.00	6.88	-349	2.36		
Sample Collection Method:		Date: 9/29/2016		Time: 1550		Total Volume of Water Purged (gal): 4 gal					
Peristaltic Pump											
Hach Test Kits				Sample Set							
Alkalinity (mg/L)		N/A		Parameter		Bottle		Pres.		Method	
Carbon Dioxide (mg/L)		N/A		VOCs		3-40 mL glass vial		HCL		8260C	
Ferrous Iron (mg/L)		N/A		Dissolved Fe & K		1-500 mL poly(field filtered)		HNO3		6010C	
Hydrogen Sulfide (mg/L)		N/A		TOC		2-40mL amber glass vial		H2SO4		9060A	
DTW		11.9		M.E.E		3-40 mL glass vial		HCL		RSK-175 mod	
Comments: Bubbles coming up tubing during purge				Sulfide		1- 250mL glass (field filtered)		NaOH/Zn Acetate		SM 4500 S2	
				Sulfate		2-40 mL glass vial (field filtered)		unpreserved		300.0	
				Microbial Population		In-line filter		N/A		CENSUS	

Appendix C

Data Usability Summary Report

DATA USABILITY SUMMARY REPORT

**EKONOL POLYESTER RESINS SITE
TOWN OF WHEATFIELD, NIAGARA COUNTY, NY
SITE No. V00653-9**

Analyses Performed by:

**TEST AMERICA LABORATORIES, INC.
NORTH CANTON, OHIO**

Prepared for:

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION**

Prepared by:

**AECOM
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NY 14202-2657**

NOVEMBER 2016

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TABLES (Following Text)

Table 1	Validated Groundwater Sample Analytical Results
Table 2	Validated Field QC Sample Analytical Results

ATTACHMENTS

Attachment A	Validated Form 1's
Attachment B	Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for thirty eight (38) groundwater samples, two (2) groundwater field duplicates, two (2) Matrix Spike/Matrix Spike Duplicate (MS/MSD) pairs, and five (5) trip blanks collected on September 26-30, 2016.

The samples were collected at the Ekonol Polyester Resins site (Site ID Number V00653-9), located in the Town of Wheatfield, Niagara County, NY and sent to Test America Laboratories, Inc. (North Canton, Ohio). Test America is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The groundwater samples were analyzed for the following parameters (not all samples were analyzed for all parameters):

<u>Parameter</u>	<u>Method Number</u>
Select Chlorinated Volatile Organic Compounds (CVOCs)	SW8260C
Dissolved Gases (ethane, ethene, and methane)	RSK SOP-175 Modified
Dissolved Iron and Potassium	6010C
Total Organic Carbon	9060A

A limited data validation was performed on the samples in accordance with the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C*, SOP HW-24, Revision 4, October 2014; and
- *ICP-AES Data Validation*, SOP HW-2a, Rev. 15, December 2012

The limited data review included a review of: completeness of all required deliverables; holding times; QC results [blanks, instrument tunes, calibration standards, MS/MSD recoveries, duplicate precision, and laboratory control sample (LCS) recoveries] to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'R' (rejected), 'J' (estimated value), and 'UJ' (estimated reporting limit). Definitions of USEPA data qualifiers are presented at the end of this text. The validated analytical results are presented on Table 1 and Table 2. Validated Form 1s have been presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), and were analyzed within the required holding times (HT) with the following exceptions.

The CVOC vials for samples MW-4S, OR-4SM, OR-6SM, OR-18SM, PMW-1S, PMW-6D, PMW-6S, PMW-8D, and RMW-2D were not properly preserved (pH >2) and were not analyzed within the HT for unpreserved samples (i.e., > 7 days). The detected CVOC results have been qualified 'J'. Using professional judgement the non-detect results were qualified 'UJ' in these samples. The results were compared to historical data and the values were similar, therefore the non-detect results were not rejected.

The dissolved gases [methane, ethane, and ethane (M/E/E)] vials for sample OR-4SM, OR-18SM, PMW-6D, and PMW-6S were not properly preserved (pH >2) and were not analyzed within the HT for unpreserved samples (i.e., > 7 days). The detected M/E/E results have been qualified 'J' and the non-detect results were qualified 'UJ' in these samples.

V. NON-CONFORMANCES

Instrument Calibration

The CVOC initial and/or continuing calibration average relative response factors (RRF) associated with sample TB-093016 was less than 0.100 for chloroethane. The non-detect results for chloroethane in this sample was qualified 'R'.

The percent differences (%D) between the initial calibration (ICAL) average RRF and the RRFs in the continuing calibration (CCAL) standards were greater than 20% for CVOCs 1,1,1-trichloroethane, chloroethane, and/or tetrachloroethene. The results for these compounds (all were non-detect) were qualified 'UJ' in associated samples INJ-11D, INJ-13D, MW-2S, MW-10S, PMW-9D, PMW-10D, PMW-60D (FD of PMW-10D), PMW-11D, RMW-4D, and TB-092916.

The original analysis of the samples from WO# 240-70280-1 for M/E/E occurred within the HT, however all the calibration standards on that run (i.e., ICAL and CCALs) were not acceptable. The lab re-analyzed all samples on a run with acceptable calibration; however the re-analysis occurred outside of the HT. The results have been reported from the re-analysis and all results have been qualified 'J' or 'UJ' due to the HT exceedance.

The M/E/E analysis of samples INJ-7D, MW-7D, PMW-2D, PMW-16D, RMW-2D, and TB-093016 occurred on a run without an acceptable closing CCAL. The samples were not re-analyzed. The results for M/E/E in these samples have been qualified 'J' or 'UJ'.

The M/E/E analysis of sample PMW-3S occurred on a run without an acceptable closing CCAL. The results for E/E in this sample have been qualified 'J'. The methane result in the original analysis was over the calibration curve (i.e., 'E' qualifier). The lab re-analyzed the sample at a dilution, however the dilution occurred outside of the HT. The diluted results for methane were much lower than the undiluted results. To be conservative the undiluted results for methane were reported and the 'E' qualifier changed to 'J'.

The M/E/E analysis of samples OR-4SM, PMW-6D, and TB-092816 occurred on a run without an acceptable closing CCAL. The samples were re-analyzed, however the re-analysis occurred outside of the HT. The results of the original analysis have been reported and all results qualified 'J' or 'UJ'.

Laboratory Control Sample

The percent recovery (%R) for M/E/E in the LCS associated with the samples in WO# 240-70306-1 was greater than the upper quality control (QC) limit. The samples were re-analyzed, but the re-analysis occurred outside of the holding time. The results of the original analysis have been reported and the detected results qualified 'J'.

VI. SAMPLE RESULTS AND REPORTING

Field duplicates were collected at locations PMW-1D (PMW-51D) and PMW-10D (PMW-60D) and exhibited good field and analytical precision.

The concentration of methane was greater than the calibration curve in sample OR-18SM. This sample was re-analyzed outside of the HT utilizing a 5x dilution. The results for methane have been reported from the diluted analysis and qualified 'J' due to the holding time exceedance.

All sample results were reported in accordance with method requirements and were adjusted for sample volume (where applicable). Results reported below the reporting limit, but greater than the MDL, are qualified 'J' by the laboratory. Those results being reported from a secondary dilution have been qualified 'D'.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'R' (rejected) are not usable. Those results qualified 'J' (estimated value) or 'UJ' (estimated reporting limit) during the data review are considered conditionally usable. All other sample results are usable as reported. AECOM does not recommend the re-collection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist



Date:

11/21/16

Reviewed By: George E. Kisluk, Senior Chemist



Date:

11/21/16

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- U** – The analyte was analyzed for, but was not detected above the reported sample reporting limit.
- J** – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected above the reported sample reporting limit. However, the reported reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the analyte in the sample.
- R** – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D** – The sample results are reported from a secondary dilution.

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		INJ- 7D	INJ-11D	INJ-13D	MW- 2S	MW- 4S
Sample ID		INJ-7D	INJ-11D	INJ-13D	MW-2S	MW-4S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/30/16	09/29/16	09/29/16	09/29/16	09/26/16
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	25,000 U	5,000 U	500 UJ	5,000 U	2.5 UJ
1,1-Dichloroethane	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
1,1-Dichloroethene	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
1,2-Dichloroethene (cis)	UG/L	540,000	57,000	12,000	190,000	40 J
1,2-Dichloroethene (trans)	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
Benzene	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
Chloroethane	UG/L	25,000 U	5,000 UJ	500 U	5,000 UJ	2.5 UJ
Ethylbenzene	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
Naphthalene	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
Tetrachloroethene	UG/L	25,000 U	5,000 U	500 UJ	5,000 U	2.5 UJ
Toluene	UG/L	25,000 U	5,000 U	500 U	5,000 U	2.5 UJ
Trichloroethene	UG/L	170,000	14,000	1,300	5,000 U	1.2 J
Vinyl chloride	UG/L	15,000 J	2,500 J	3,100	17,000	72 J
Xylene (total)	UG/L	50,000 U	10,000 U	1,000 U	10,000 U	5.0 UJ
Dissolved Metals						
Iron, Dissolved	MG/L	28	0.350	4	3	0.560
Potassium, Dissolved	MG/L	7.6	12	9.4	3.1 J	6.6
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	160	82	82	2.8	3.9
Dissolved Gases						
Ethane	UG/L	33 J	73 J	270	8.8 J	3.5
Ethene	UG/L	880 J	1,200 J	1,300	80 J	4.0
Methane	UG/L	880 J	10,000 J	9,700	120 J	90

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		MW- 7D	MW- 9S	MW-10S	MW-11D	MW-11S
Sample ID		MW-7D	MW-9S	MW-10S	MW-11D	MW-11S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/30/16	09/28/16	09/29/16	09/27/16	09/27/16
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	41 J	1.0 U	20 U	33	13 U
1,1-Dichloroethane	UG/L	350	1.0 U	20 U	12	7.0 J
1,1-Dichloroethene	UG/L	46 J	1.0 U	20 U	2.0 U	13 U
1,2-Dichloroethene (cis)	UG/L	72,000	1.0 U	520	33	240
1,2-Dichloroethene (trans)	UG/L	140 J	1.0 U	20 U	0.93 J	6.4 J
Benzene	UG/L	170 U	1.0 U	20 U	2.0 U	13 U
Chloroethane	UG/L	170 U	1.0 U	20 UJ	2.0 U	13 U
Ethylbenzene	UG/L	170 U	1.0 U	20 U	2.0 U	13 U
Naphthalene	UG/L	170 U	1.0 U	20 U	2.0 U	13 U
Tetrachloroethene	UG/L	170 U	1.0 U	20 U	2.0 U	13 U
Toluene	UG/L	170 U	1.0 U	20 U	2.0 U	13 U
Trichloroethene	UG/L	66 J	1.0 U	14 J	1.1 J	24
Vinyl chloride	UG/L	5,300	1.0 U	79	37	95
Xylene (total)	UG/L	330 U	2.0 U	40 U	4.0 U	25 U
Dissolved Metals						
Iron, Dissolved	MG/L	0.063 J	0.100 U	NA	NA	NA
Potassium, Dissolved	MG/L	7.3	4.1 J	NA	NA	NA
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	240	6.9	NA	NA	NA
Dissolved Gases						
Ethane	UG/L	7.5 J	0.50 UJ	0.94 J	31	1.1
Ethene	UG/L	300 J	0.50 UJ	5.3 J	8.0	16
Methane	UG/L	5,000 J	6.7 J	23 J	160	90

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		MW-12S	MW-13D	MW-15D	MW-17D	MW-19D
Sample ID		MW-12S	MW-13D	MW-15D	MW-17D	MW-19D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/28/16	09/27/16	09/27/16	09/27/16	09/27/16
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	100 U	20 U	590	1.0	1.0 U
1,1-Dichloroethane	UG/L	100 U	11 J	92	7.8	1.0 U
1,1-Dichloroethene	UG/L	100 U	20 U	18 J	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1,400	170	660	5.0	7.2
1,2-Dichloroethene (trans)	UG/L	30 J	20 U	33 U	1.0 U	0.52 J
Benzene	UG/L	100 U	20 U	33 U	1.0 U	1.0 U
Chloroethane	UG/L	100 U	20 U	33 U	3.0	1.0 U
Ethylbenzene	UG/L	100 U	20 U	33 U	1.0 U	1.0 U
Naphthalene	UG/L	100 U	20 U	33 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	100 U	20 U	33 U	1.0 U	1.0 U
Toluene	UG/L	100 U	20 U	33 U	1.0 U	1.0 U
Trichloroethene	UG/L	1,900	20 U	7.8 J	0.33 J	1.0 U
Vinyl chloride	UG/L	920	370	580	8.1	0.41 J
Xylene (total)	UG/L	200 U	40 U	67 U	2.0 U	2.0 U
Dissolved Metals						
Iron, Dissolved	MG/L	NA	0.100 U	0.260	NA	1.7
Potassium, Dissolved	MG/L	NA	5.3	4.1 J	NA	4.8 J
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	NA	3.1	2.2	NA	7.1
Dissolved Gases						
Ethane	UG/L	19	3.5	0.67	1.2	0.50 U
Ethene	UG/L	480	76	8.5	2.7	0.50 U
Methane	UG/L	2,600	1,400	65	38	9.1

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		MW-20D	MW-21D	OR- 4SM	OR- 6SM	OR-10SM
Sample ID		MW-20D	MW-21D	OR-4SM	OR-6SM	OR-10SM
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/27/16	09/27/16	09/28/16	09/26/16	09/28/16
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1,100	48	1.0 UJ	17 UJ	50 U
1,1-Dichloroethane	UG/L	100	21 J	0.34 J	17 UJ	50 U
1,1-Dichloroethene	UG/L	30 J	25 U	1.0 UJ	17 UJ	50 U
1,2-Dichloroethene (cis)	UG/L	160	380	1.0 UJ	350 J	1,100
1,2-Dichloroethene (trans)	UG/L	50 U	25 U	0.85 J	14 J	50 U
Benzene	UG/L	50 U	25 U	3.1 J	17 UJ	50 U
Chloroethane	UG/L	50 U	25 U	1.0 UJ	17 UJ	50 U
Ethylbenzene	UG/L	50 U	25 U	1.6 J	17 UJ	50 U
Naphthalene	UG/L	50 U	25 U	0.62 J	17 UJ	50 U
Tetrachloroethene	UG/L	50 U	25 U	1.0 UJ	17 UJ	50 U
Toluene	UG/L	50 U	25 U	0.96 J	6.6 J	50 U
Trichloroethene	UG/L	50 U	25 U	1.0 UJ	17 UJ	50 U
Vinyl chloride	UG/L	440	510	1.0 UJ	83 J	450
Xylene (total)	UG/L	100 U	50 U	7.9 J	33 UJ	100 U
Dissolved Metals						
Iron, Dissolved	MG/L	NA	NA	16	1.7	0.790
Potassium, Dissolved	MG/L	NA	NA	19	23	3 J
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	NA	NA	38	38	15
Dissolved Gases						
Ethane	UG/L	2.6	0.91	1.5 J	47	13
Ethene	UG/L	56	11	2.5 UJ	23	57
Methane	UG/L	240	55	3,800 J	2,100 D	4,100

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		OR-14SM	OR-18SM	PMW- 1D	PMW- 1D	PMW- 1S
Sample ID		OR-14SM	OR-18SM	PMW-1D	PMW-51D	PMW-1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/26/16	09/26/16	09/26/16	09/26/16	09/26/16
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 UJ	6.7 U	6.3 U	17 UJ
1,1-Dichloroethane	UG/L	1.0 U	1.0 UJ	4.8 J	4.9 J	17 UJ
1,1-Dichloroethene	UG/L	1.0 U	1.0 UJ	6.7 U	6.3 U	17 UJ
1,2-Dichloroethene (cis)	UG/L	0.28 J	13 J	5.7 J	5.5 J	270 J
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.1 J	2.5 J	2.9 J	9.6 J
Benzene	UG/L	0.53 J	0.56 J	6.7 U	6.3 U	17 UJ
Chloroethane	UG/L	1.0 U	1.0 UJ	6.7 U	6.3 U	17 UJ
Ethylbenzene	UG/L	0.35 J	0.47 J	6.7 U	6.3 U	17 UJ
Naphthalene	UG/L	1.0 U	1.0 UJ	6.7 U	6.3 U	17 UJ
Tetrachloroethene	UG/L	1.0 U	1.0 UJ	6.7 U	6.3 U	17 UJ
Toluene	UG/L	1.2	1.0 UJ	6.7 U	6.3 U	17 UJ
Trichloroethene	UG/L	1.0 U	1.0 UJ	6.7 U	6.3 U	4.0 J
Vinyl chloride	UG/L	0.65 J	22 J	110	98	230 J
Xylene (total)	UG/L	1.5 J	0.60 J	13 U	13 U	33 UJ
Dissolved Metals						
Iron, Dissolved	MG/L	1.6	0.100 U	45	48	0.059 J
Potassium, Dissolved	MG/L	2.9 J	15	11	11	15
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	13	5.1	380	370	8.9
Dissolved Gases						
Ethane	UG/L	0.81	2.2 J	300	240	17
Ethene	UG/L	1.5	7.1 J	940	830	90
Methane	UG/L	5,800 D	3,700 DJ	5,200 D	5,700 D	4,100 D

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		PMW- 2D	PMW- 3S	PMW- 4S	PMW- 6D	PMW- 6S
Sample ID		PMW-2D	PMW-3S	PMW-4S	PMW-6D	PMW-6S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/30/16	09/30/16	09/27/16	09/28/16	09/27/16
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
1,1-Dichloroethane	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
1,1-Dichloroethene	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
1,2-Dichloroethene (cis)	UG/L	7,100	3,800	160	3,500 J	1,300 J
1,2-Dichloroethene (trans)	UG/L	100 J	74 J	10	250 UJ	54 J
Benzene	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
Chloroethane	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
Ethylbenzene	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
Naphthalene	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
Tetrachloroethene	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
Toluene	UG/L	250 U	140 U	6.7 U	250 UJ	67 UJ
Trichloroethene	UG/L	140 J	140 U	14	250 UJ	67 UJ
Vinyl chloride	UG/L	17,000	820	28	690 J	610 J
Xylene (total)	UG/L	500 U	290 U	13 U	500 UJ	130 UJ
Dissolved Metals						
Iron, Dissolved	MG/L	0.330	0.490	0.040 J	0.120	0.097 J
Potassium, Dissolved	MG/L	12	12	0.280 J	9.5	12
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	470	11	5.0	500	32
Dissolved Gases						
Ethane	UG/L	13 J	24 J	21	63 J	2.4 J
Ethene	UG/L	2,800 J	100 J	46	5,100 J	21 J
Methane	UG/L	5,200 J	2,300 J	2,000 D	13,000 J	2,700 DJ

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		PMW- 8D	PMW- 9D	PMW-10D	PMW-10D	PMW-11D
Sample ID		PMW-8D	PMW-9D	PMW-10D	PMW-60D	PMW-11D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/29/16	09/29/16	09/29/16	09/29/16	09/28/16
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	2,000 UJ	1,000 UJ	500 U	500 UJ	17,000
1,1-Dichloroethane	UG/L	2,000 UJ	1,000 U	280 J	330 J	790 J
1,1-Dichloroethene	UG/L	2,000 UJ	1,000 U	500 U	500 U	690 J
1,2-Dichloroethene (cis)	UG/L	42,000 J	26,000	15,000	15,000	3,300
1,2-Dichloroethene (trans)	UG/L	2,000 UJ	1,000 U	500 U	500 U	830 U
Benzene	UG/L	2,000 UJ	1,000 U	500 U	500 U	830 U
Chloroethane	UG/L	2,000 UJ	1,000 U	500 UJ	500 U	830 UJ
Ethylbenzene	UG/L	2,000 UJ	1,000 U	500 U	500 U	830 U
Naphthalene	UG/L	2,000 UJ	1,000 U	500 U	500 U	830 U
Tetrachloroethene	UG/L	2,000 UJ	1,000 UJ	500 U	500 UJ	830 U
Toluene	UG/L	2,000 UJ	1,000 U	500 U	500 U	830 U
Trichloroethene	UG/L	10,000 J	2,900	800	700	250 J
Vinyl chloride	UG/L	3,100 J	19,000	3,600	4,000	440 J
Xylene (total)	UG/L	4,000 UJ	2,000 U	1,000 U	1,000 U	1,700 U
Dissolved Metals						
Iron, Dissolved	MG/L	0.100 U	59	19	18	0.066 J
Potassium, Dissolved	MG/L	6.1	11	6	5.9	2.7 J
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	120	300	520	510	4.1
Dissolved Gases						
Ethane	UG/L	10	240 J	51 J	63 J	2.2
Ethene	UG/L	280	14,000 J	5,800 J	5,000 J	18
Methane	UG/L	2,500	9,100 J	5,300 J	4,700 J	390

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Detection Limits shown are PQL

TABLE 1
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		PMW-16D	PMW-17D	RMW- 2D	RMW- 3D	RMW- 4D
Sample ID		PMW-16D	PMW-17D	RMW-2D	RMW-3D	RMW-4D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/30/16	09/28/16	09/30/16	09/28/16	09/29/16
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	7,900	13,000	1,300 UJ	15,000	500 UJ
1,1-Dichloroethane	UG/L	800 J	1,700	1,300 UJ	1,300 U	500 U
1,1-Dichloroethene	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
1,2-Dichloroethene (cis)	UG/L	36,000	9,300	110,000 J	2,300	15,000
1,2-Dichloroethene (trans)	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
Benzene	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
Chloroethane	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
Ethylbenzene	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
Naphthalene	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
Tetrachloroethene	UG/L	1,700 U	1,000 U	1,000 J	1,300 U	500 UJ
Toluene	UG/L	1,700 U	1,000 U	1,300 UJ	1,300 U	500 U
Trichloroethene	UG/L	700 J	590 J	130,000 J	1,300 U	1,100
Vinyl chloride	UG/L	4,000	2,100	690 J	1,300 U	5,400
Xylene (total)	UG/L	3,300 U	2,000 U	2,500 UJ	2,500 U	1,000 U
Dissolved Metals						
Iron, Dissolved	MG/L	0.078 J	0.100 U	0.100 U	0.072 J	0.100 U
Potassium, Dissolved	MG/L	3.2 J	3.7 J	4.9 J	2.7 J	4.9 J
Miscellaneous Parameters						
Total Organic Carbon (TOC)	MG/L	51	66	270	2.4	150
Dissolved Gases						
Ethane	UG/L	5.5 J	7.1	37 J	1.4	27 J
Ethene	UG/L	290 J	75	85 J	1.0	1,600 J
Methane	UG/L	600 J	1,200	2,900 J	28	5,200 J

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

TABLE 2
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
EKONOL POLYESTER RESINS SITE

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-092616	TB-092716	TB-092816	TB-092916	TB-093016
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		09/26/16	09/27/16	09/28/16	09/29/16	09/30/16
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dissolved Gases						
Ethane	UG/L	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
Ethene	UG/L	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
Methane	UG/L	0.12 J	0.17 J	0.097 J	0.090 J	0.12 J

Flags assigned during chemistry validation are shown.

Made By: AMK 11/21/2016 Checked By: GEK 11/21/2016

Detection Limits shown are PQL

ATTACHMENT A
VALIDATED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: INJ-7D Lab Sample ID: 240-70306-3
 Matrix: Water Lab File ID: UXJ7895.D
 Analysis Method: 8260C Date Collected: 09/30/2016 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/13/2016 13:21
 Soil Aliquot Vol: _____ Dilution Factor: 25000
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251181 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		25000	7000
75-00-3	Chloroethane	ND		25000	10000
156-59-2	cis-1,2-Dichloroethene	540000		25000	7500
75-34-3	1,1-Dichloroethane	ND		25000	6300
75-35-4	1,1-Dichloroethene	ND		25000	6800
100-41-4	Ethylbenzene	ND		25000	6500
91-20-3	Naphthalene	ND		25000	6300
127-18-4	Tetrachloroethene	ND		25000	7500
108-88-3	Toluene	ND		25000	5800
156-60-5	trans-1,2-Dichloroethene	ND		25000	7300
71-55-6	1,1,1-Trichloroethane	ND		25000	5800
79-01-6	Trichloroethene	170000		25000	8300
75-01-4	Vinyl chloride	15000	J	25000	11000
1330-20-7	Xylenes, Total	ND		50000	6000

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		63-132
2037-26-5	Toluene-d8 (Surr)	98		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: INJ-11D Lab Sample ID: 240-70280-6
 Matrix: Water Lab File ID: UXJ7875.D
 Analysis Method: 8260C Date Collected: 09/29/2016 12:35
 Sample wt/vol: 5(mL) Date Analyzed: 10/12/2016 19:16
 Soil Aliquot Vol: _____ Dilution Factor: 5000
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		5000	1800
75-00-3	Chloroethane	ND	JS	5000	1600
156-59-2	cis-1,2-Dichloroethene	57000		5000	1300
75-34-3	1,1-Dichloroethane	ND		5000	1500
75-35-4	1,1-Dichloroethene	ND		5000	2300
100-41-4	Ethylbenzene	ND		5000	1300
91-20-3	Naphthalene	ND		5000	2300
127-18-4	Tetrachloroethene	ND		5000	1600
108-88-3	Toluene	ND		5000	1200
156-60-5	trans-1,2-Dichloroethene	ND		5000	1500
71-55-6	1,1,1-Trichloroethane	ND		5000	2200
79-01-6	Trichloroethene	14000		5000	1100
75-01-4	Vinyl chloride	2500	J	5000	1500
1330-20-7	Xylenes, Total	ND		10000	2600

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		63-132
2037-26-5	Toluene-d8 (Surr)	99		73-124

OK
11/3/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: INJ-13D Lab Sample ID: 240-70280-8
 Matrix: Water Lab File ID: UXJ7891.D
 Analysis Method: 8260C Date Collected: 09/29/2016 15:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/13/2016 11:51
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251181 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		500	180
75-00-3	Chloroethane	ND		500	160
156-59-2	cis-1,2-Dichloroethene	12000		500	130
75-34-3	1,1-Dichloroethane	ND		500	150
75-35-4	1,1-Dichloroethene	ND		500	230
100-41-4	Ethylbenzene	ND		500	130
91-20-3	Naphthalene	ND		500	230
127-18-4	Tetrachloroethene	ND	JS	500	160
108-88-3	Toluene	ND		500	120
156-60-5	trans-1,2-Dichloroethene	ND		500	150
71-55-6	1,1,1-Trichloroethane	ND	JS	500	220
79-01-6	Trichloroethene	1300		500	110
75-01-4	Vinyl chloride	3100		500	150
1330-20-7	Xylenes, Total	ND		1000	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		63-132
2037-26-5	Toluene-d8 (Surr)	98		73-124

JS
10/13/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: MW-2S Lab Sample ID: 240-70280-2
 Matrix: Water Lab File ID: UXJ7869.D
 Analysis Method: 8260C Date Collected: 09/29/2016 10:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/12/2016 17:02
 Soil Aliquot Vol: _____ Dilution Factor: 5000
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		5000	1800
75-00-3	Chloroethane	ND	JS	5000	1600
156-59-2	cis-1,2-Dichloroethene	190000		5000	1300
75-34-3	1,1-Dichloroethane	ND		5000	1500
75-35-4	1,1-Dichloroethene	ND		5000	2300
100-41-4	Ethylbenzene	ND		5000	1300
91-20-3	Naphthalene	ND		5000	2300
127-18-4	Tetrachloroethene	ND		5000	1600
108-88-3	Toluene	ND		5000	1200
156-60-5	trans-1,2-Dichloroethene	ND		5000	1500
71-55-6	1,1,1-Trichloroethane	ND		5000	2200
79-01-6	Trichloroethene	ND		5000	1100
75-01-4	Vinyl chloride	17000		5000	1500
1330-20-7	Xylenes, Total	ND		10000	2600

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	78		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: MW-4S Lab Sample ID: 240-70070-3
 Matrix: Water Lab File ID: UXJ7737.D
 Analysis Method: 8260C Date Collected: 09/26/2016 15:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 13:18
 Soil Aliquot Vol: _____ Dilution Factor: 2.5
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		2.5	0.88
75-00-3	Chloroethane	ND		2.5	0.80
156-59-2	cis-1,2-Dichloroethene	40	<i>J</i>	2.5	0.65
75-34-3	1,1-Dichloroethane	ND		2.5	0.75
75-35-4	1,1-Dichloroethene	ND		2.5	1.1
100-41-4	Ethylbenzene	ND		2.5	0.63
91-20-3	Naphthalene	ND		2.5	1.1
127-18-4	Tetrachloroethene	ND		2.5	0.78
108-88-3	Toluene	ND		2.5	0.58
156-60-5	trans-1,2-Dichloroethene	ND		2.5	0.75
71-55-6	1,1,1-Trichloroethane	ND		2.5	1.1
79-01-6	Trichloroethene	1.2	<i>J</i>	2.5	0.55
75-01-4	Vinyl chloride	72	<i>J</i>	2.5	0.73
1330-20-7	Xylenes, Total	ND		5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	75		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: MW-7D Lab Sample ID: 240-70306-6
 Matrix: Water Lab File ID: UXJ7901.D
 Analysis Method: 8260C Date Collected: 09/30/2016 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 10/13/2016 15:36
 Soil Aliquot Vol: _____ Dilution Factor: 166.67
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251181 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		170	47
75-00-3	Chloroethane	ND		170	68
75-34-3	1,1-Dichloroethane	350		170	42
75-35-4	1,1-Dichloroethene	46	J	170	45
100-41-4	Ethylbenzene	ND		170	43
91-20-3	Naphthalene	ND		170	42
127-18-4	Tetrachloroethene	ND		170	50
108-88-3	Toluene	ND		170	38
156-60-5	trans-1,2-Dichloroethene	140	J	170	48
71-55-6	1,1,1-Trichloroethane	41	J	170	38
79-01-6	Trichloroethene	66	J	170	55
75-01-4	Vinyl chloride	5300		170	75
1330-20-7	Xylenes, Total	ND		330	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		63-132
2037-26-5	Toluene-d8 (Surr)	93		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
SDG No.: _____
Client Sample ID: MW-7D Lab Sample ID: 240-70306-6
Matrix: Water Lab File ID: UXC8904.D
Analysis Method: 8260C Date Collected: 09/30/2016 13:45
Sample wt/vol: 5 (mL) Date Analyzed: 10/14/2016 10:46
Soil Aliquot Vol: _____ Dilution Factor: 2500
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251380 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	72000		2500	750

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		63-132
2037-26-5	Toluene-d8 (Surr)	104		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: MW-9S Lab Sample ID: 240-70214-8
 Matrix: Water Lab File ID: UXJ7834.D
 Analysis Method: 8260C Date Collected: 09/28/2016 16:50
 Sample wt/vol: 5(mL) Date Analyzed: 10/11/2016 13:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	ND		1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	ND		1.0	0.29
1330-20-7	Xylenes, Total	ND		2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	79		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		63-132
2037-26-5	Toluene-d8 (Surr)	90		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: MW-10S Lab Sample ID: 240-70280-3
 Matrix: Water Lab File ID: UXJ7870.D
 Analysis Method: 8260C Date Collected: 09/29/2016 10:05
 Sample wt/vol: 5(mL) Date Analyzed: 10/12/2016 17:25
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		20	7.0
75-00-3	Chloroethane	ND		20	6.4
156-59-2	cis-1,2-Dichloroethene	520	~~F1~~	20	5.2
75-34-3	1,1-Dichloroethane	ND		20	6.0
75-35-4	1,1-Dichloroethene	ND		20	9.0
100-41-4	Ethylbenzene	ND		20	5.0
91-20-3	Naphthalene	ND		20	9.0
127-18-4	Tetrachloroethene	ND		20	6.2
108-88-3	Toluene	ND		20	4.6
156-60-5	trans-1,2-Dichloroethene	ND		20	6.0
71-55-6	1,1,1-Trichloroethane	ND		20	8.8
79-01-6	Trichloroethene	14	J	20	4.4
75-01-4	Vinyl chloride	79		20	5.8
1330-20-7	Xylenes, Total	ND		40	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	118		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	125		63-132
2037-26-5	Toluene-d8 (Surr)	109		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-11D Lab Sample ID: 240-70149-9
 Matrix: Water Lab File ID: UXJ7796.D
 Analysis Method: 8260C Date Collected: 09/27/2016 15:40
 Sample wt/vol: 5(mL) Date Analyzed: 10/10/2016 12:11
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250595 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		2.0	0.70
75-00-3	Chloroethane	ND		2.0	0.64
156-59-2	cis-1,2-Dichloroethene	33		2.0	0.52
75-34-3	1,1-Dichloroethane	12		2.0	0.60
75-35-4	1,1-Dichloroethene	ND		2.0	0.90
100-41-4	Ethylbenzene	ND		2.0	0.50
91-20-3	Naphthalene	ND		2.0	0.90
127-18-4	Tetrachloroethene	ND		2.0	0.62
108-88-3	Toluene	ND		2.0	0.46
156-60-5	trans-1,2-Dichloroethene	0.93	J	2.0	0.60
71-55-6	1,1,1-Trichloroethane	33		2.0	0.88
79-01-6	Trichloroethene	1.1	J	2.0	0.44
75-01-4	Vinyl chloride	37		2.0	0.58
1330-20-7	Xylenes, Total	ND		4.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	82		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		63-132
2037-26-5	Toluene-d8 (Surr)	93		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-11S Lab Sample ID: 240-70149-10
 Matrix: Water Lab File ID: UXJ7797.D
 Analysis Method: 8260C Date Collected: 09/27/2016 16:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/10/2016 12:33
 Soil Aliquot Vol: _____ Dilution Factor: 12.5
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250595 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		13	4.4
75-00-3	Chloroethane	ND		13	4.0
156-59-2	cis-1,2-Dichloroethene	240		13	3.3
75-34-3	1,1-Dichloroethane	7.0	J	13	3.8
75-35-4	1,1-Dichloroethene	ND		13	5.6
100-41-4	Ethylbenzene	ND		13	3.1
91-20-3	Naphthalene	ND		13	5.6
127-18-4	Tetrachloroethene	ND		13	3.9
108-88-3	Toluene	ND		13	2.9
156-60-5	trans-1,2-Dichloroethene	6.4	J	13	3.8
71-55-6	1,1,1-Trichloroethane	ND		13	5.5
79-01-6	Trichloroethene	24		13	2.8
75-01-4	Vinyl chloride	95		13	3.6
1330-20-7	Xylenes, Total	ND		25	6.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	80		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		63-132
2037-26-5	Toluene-d8 (Surr)	93		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: MW-12S Lab Sample ID: 240-70214-4
 Matrix: Water Lab File ID: UXJ7816.D
 Analysis Method: 8260C Date Collected: 09/28/2016 12:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/10/2016 19:42
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250595 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		100	35
75-00-3	Chloroethane	ND		100	32
156-59-2	cis-1,2-Dichloroethene	1400		100	26
75-34-3	1,1-Dichloroethane	ND		100	30
75-35-4	1,1-Dichloroethene	ND		100	45
100-41-4	Ethylbenzene	ND		100	25
91-20-3	Naphthalene	ND		100	45
127-18-4	Tetrachloroethene	ND		100	31
108-88-3	Toluene	ND		100	23
156-60-5	trans-1,2-Dichloroethene	30	J	100	30
71-55-6	1,1,1-Trichloroethane	ND		100	44
79-01-6	Trichloroethene	1900		100	22
75-01-4	Vinyl chloride	920		100	29
1330-20-7	Xylenes, Total	ND		200	52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	78		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		63-132
2037-26-5	Toluene-d8 (Surr)	94		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 240-70149-3
 Matrix: Water Lab File ID: UXJ7795.D
 Analysis Method: 8260C Date Collected: 09/27/2016 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/10/2016 11:48
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250595 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		20	7.0
75-00-3	Chloroethane	ND		20	6.4
156-59-2	cis-1,2-Dichloroethene	170	~~F1~~	20	5.2
75-34-3	1,1-Dichloroethane	11	J	20	6.0
75-35-4	1,1-Dichloroethene	ND		20	9.0
100-41-4	Ethylbenzene	ND		20	5.0
91-20-3	Naphthalene	ND	~~F1~~	20	9.0
127-18-4	Tetrachloroethene	ND		20	6.2
108-88-3	Toluene	ND		20	4.6
156-60-5	trans-1,2-Dichloroethene	ND		20	6.0
71-55-6	1,1,1-Trichloroethane	ND		20	8.8
79-01-6	Trichloroethene	ND		20	4.4
75-01-4	Vinyl chloride	370		20	5.8
1330-20-7	Xylenes, Total	ND		40	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	78		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
2037-26-5	Toluene-d8 (Surr)	87		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
SDG No.: _____
Client Sample ID: MW-15D Lab Sample ID: 240-70149-2
Matrix: Water Lab File ID: UXJ7750.D
Analysis Method: 8260C Date Collected: 09/27/2016 09:40
Sample wt/vol: 5 (mL) Date Analyzed: 10/07/2016 18:11
Soil Aliquot Vol: _____ Dilution Factor: 33.33
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		33	12
75-00-3	Chloroethane	ND		33	11
156-59-2	cis-1,2-Dichloroethene	660		33	8.7
75-34-3	1,1-Dichloroethane	92		33	10
75-35-4	1,1-Dichloroethene	18	J	33	15
100-41-4	Ethylbenzene	ND		33	8.3
91-20-3	Naphthalene	ND		33	15
127-18-4	Tetrachloroethene	ND		33	10
108-88-3	Toluene	ND		33	7.7
156-60-5	trans-1,2-Dichloroethene	ND		33	10
71-55-6	1,1,1-Trichloroethane	590		33	15
79-01-6	Trichloroethene	7.8	J	33	7.3
75-01-4	Vinyl chloride	580		33	9.7
1330-20-7	Xylenes, Total	ND		67	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	80		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		63-132
2037-26-5	Toluene-d8 (Surr)	95		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-19D Lab Sample ID: 240-70149-4
 Matrix: Water Lab File ID: UXJ7754.D
 Analysis Method: 8260C Date Collected: 09/27/2016 11:05
 Sample wt/vol: 5 (mL) Date Analyzed: 10/07/2016 19:41
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	7.2		1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	ND		1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.52	J	1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	0.41	J	1.0	0.29
1330-20-7	Xylenes, Total	ND		2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	79		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		63-132
2037-26-5	Toluene-d8 (Surr)	93		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: OR-4SM Lab Sample ID: 240-70214-7
 Matrix: Water Lab File ID: UXJ7833.D
 Analysis Method: 8260C Date Collected: 09/28/2016 14:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/11/2016 13:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	3.1	J	1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
75-34-3	1,1-Dichloroethane	0.34	J	1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	1.6	J	1.0	0.25
91-20-3	Naphthalene	0.62	J	1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	0.96	J	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.85	J	1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	ND		1.0	0.29
1330-20-7	Xylenes, Total	7.9	J	2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	79		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: OR-6SM Lab Sample ID: 240-70070-1
 Matrix: Water Lab File ID: UXJ7735.D
 Analysis Method: 8260C Date Collected: 09/26/2016 12:30
 Sample wt/vol: 5 (mL) Date Analyzed: 10/07/2016 12:34
 Soil Aliquot Vol: _____ Dilution Factor: 16.67
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		17	5.8
75-00-3	Chloroethane	ND		17	5.3
156-59-2	cis-1,2-Dichloroethene	350	<i>5</i>	17	4.3
75-34-3	1,1-Dichloroethane	ND		17	5.0
75-35-4	1,1-Dichloroethene	ND		17	7.5
100-41-4	Ethylbenzene	ND		17	4.2
91-20-3	Naphthalene	ND		17	7.5
127-18-4	Tetrachloroethene	ND		17	5.2
108-88-3	Toluene	6.6	J	17	3.8
156-60-5	trans-1,2-Dichloroethene	14	J	17	5.0
71-55-6	1,1,1-Trichloroethane	ND		17	7.3
79-01-6	Trichloroethene	ND		17	3.7
75-01-4	Vinyl chloride	83	<i>5</i>	17	4.8
1330-20-7	Xylenes, Total	ND		33	8.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	75		73-120
1868-53-7	Dibromofluoromethane (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		63-132
2037-26-5	Toluene-d8 (Surr)	89		73-124

OK
11/1/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: OR-10SM Lab Sample ID: 240-70214-2
 Matrix: Water Lab File ID: UXJ7830.D
 Analysis Method: 8260C Date Collected: 09/28/2016 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/11/2016 12:00
 Soil Aliquot Vol: _____ Dilution Factor: 50
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		50	18
75-00-3	Chloroethane	ND		50	16
156-59-2	cis-1,2-Dichloroethene	1100		50	13
75-34-3	1,1-Dichloroethane	ND		50	15
75-35-4	1,1-Dichloroethene	ND		50	23
100-41-4	Ethylbenzene	ND		50	13
91-20-3	Naphthalene	ND		50	23
127-18-4	Tetrachloroethene	ND		50	16
108-88-3	Toluene	ND		50	12
156-60-5	trans-1,2-Dichloroethene	ND		50	15
71-55-6	1,1,1-Trichloroethane	ND		50	22
79-01-6	Trichloroethene	ND		50	11
75-01-4	Vinyl chloride	450		50	15
1330-20-7	Xylenes, Total	ND		100	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	81		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: OR-14SM Lab Sample ID: 240-70070-5
 Matrix: Water Lab File ID: UXJ7739.D
 Analysis Method: 8260C Date Collected: 09/26/2016 12:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 14:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.53	J	1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.28	J	1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	0.35	J	1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	1.2		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	0.65	J	1.0	0.29
1330-20-7	Xylenes, Total	1.5	J	2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	78		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		63-132
2037-26-5	Toluene-d8 (Surr)	94		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-70070-1</u>
SDG No.: _____	
Client Sample ID: <u>OR-18SM</u>	Lab Sample ID: <u>240-70070-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7738.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/26/2016 13:05</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/07/2016 13:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>250329</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.56	J	1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	13	J	1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	0.47	J	1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	1.1	J	1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	22	J	1.0	0.29
1330-20-7	Xylenes, Total	0.60	J	2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	119		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	128		63-132
2037-26-5	Toluene-d8 (Surr)	111		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-70070-1</u>
SDG No.: _____	
Client Sample ID: <u>PMW-1D</u>	Lab Sample ID: <u>240-70070-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7741.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/26/2016 16:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/07/2016 14:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>6.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>250329</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		6.7	2.3
75-00-3	Chloroethane	ND		6.7	2.1
156-59-2	cis-1,2-Dichloroethene	5.7	J	6.7	1.7
75-34-3	1,1-Dichloroethane	4.8	J	6.7	2.0
75-35-4	1,1-Dichloroethene	ND		6.7	3.0
100-41-4	Ethylbenzene	ND		6.7	1.7
91-20-3	Naphthalene	ND		6.7	3.0
127-18-4	Tetrachloroethene	ND		6.7	2.1
108-88-3	Toluene	ND		6.7	1.5
156-60-5	trans-1,2-Dichloroethene	2.5	J	6.7	2.0
71-55-6	1,1,1-Trichloroethane	ND		6.7	2.9
79-01-6	Trichloroethene	ND		6.7	1.5
75-01-4	Vinyl chloride	110		6.7	1.9
1330-20-7	Xylenes, Total	ND		13	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	81		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		63-132
2037-26-5	Toluene-d8 (Surr)	95		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

PMW-1D

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: PMW-51D Lab Sample ID: 240-70070-6
 Matrix: Water Lab File ID: UXJ7740.D
 Analysis Method: 8260C Date Collected: 09/26/2016 09:00
 Sample wt/vol: 5 (mL) Date Analyzed: 10/07/2016 14:26
 Soil Aliquot Vol: _____ Dilution Factor: 6.25
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		6.3	2.2
75-00-3	Chloroethane	ND		6.3	2.0
156-59-2	cis-1,2-Dichloroethene	5.5	J	6.3	1.6
75-34-3	1,1-Dichloroethane	4.9	J	6.3	1.9
75-35-4	1,1-Dichloroethene	ND		6.3	2.8
100-41-4	Ethylbenzene	ND		6.3	1.6
91-20-3	Naphthalene	ND		6.3	2.8
127-18-4	Tetrachloroethene	ND		6.3	1.9
108-88-3	Toluene	ND		6.3	1.4
156-60-5	trans-1,2-Dichloroethene	2.9	J	6.3	1.9
71-55-6	1,1,1-Trichloroethane	ND		6.3	2.8
79-01-6	Trichloroethene	ND		6.3	1.4
75-01-4	Vinyl chloride	98		6.3	1.8
1330-20-7	Xylenes, Total	ND		13	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		63-132
2037-26-5	Toluene-d8 (Surr)	94		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-70070-1</u>
SDG No.: _____	
Client Sample ID: <u>PMW-1S</u>	Lab Sample ID: <u>240-70070-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7736.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/26/2016 10:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/07/2016 12:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>16.67</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18(mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>250329</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		17	5.8
75-00-3	Chloroethane	ND		17	5.3
156-59-2	cis-1,2-Dichloroethene	270	J	17	4.3
75-34-3	1,1-Dichloroethane	ND		17	5.0
75-35-4	1,1-Dichloroethene	ND		17	7.5
100-41-4	Ethylbenzene	ND		17	4.2
91-20-3	Naphthalene	ND		17	7.5
127-18-4	Tetrachloroethene	ND		17	5.2
108-88-3	Toluene	ND		17	3.8
156-60-5	trans-1,2-Dichloroethene	9.6	J	17	5.0
71-55-6	1,1,1-Trichloroethane	ND		17	7.3
79-01-6	Trichloroethene	4.0	J	17	3.7
75-01-4	Vinyl chloride	230	J	17	4.8
1330-20-7	Xylenes, Total	ND		33	8.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	80		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		63-132
2037-26-5	Toluene-d8 (Surr)	94		73-124

OK
11/1/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG No.: _____

Client Sample ID: PMW-4S

Lab Sample ID: 240-70149-8

Matrix: Water

Lab File ID: UXJ7758.D

Analysis Method: 8260C

Date Collected: 09/27/2016 14:50

Sample wt/vol: 5(mL)

Date Analyzed: 10/07/2016 21:10

Soil Aliquot Vol: _____

Dilution Factor: 6.67

Soil Extract Vol.: _____

GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 250329

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		6.7	2.3
75-00-3	Chloroethane	ND		6.7	2.1
156-59-2	cis-1,2-Dichloroethene	160		6.7	1.7
75-34-3	1,1-Dichloroethane	ND		6.7	2.0
75-35-4	1,1-Dichloroethene	ND		6.7	3.0
100-41-4	Ethylbenzene	ND		6.7	1.7
91-20-3	Naphthalene	ND		6.7	3.0
127-18-4	Tetrachloroethene	ND		6.7	2.1
108-88-3	Toluene	ND		6.7	1.5
156-60-5	trans-1,2-Dichloroethene	10		6.7	2.0
71-55-6	1,1,1-Trichloroethane	ND		6.7	2.9
79-01-6	Trichloroethene	14		6.7	1.5
75-01-4	Vinyl chloride	28		6.7	1.9
1330-20-7	Xylenes, Total	ND		13	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	78		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		63-132
2037-26-5	Toluene-d8 (Surr)	94		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-70214-1</u>
SDG No.: _____	
Client Sample ID: <u>PMW-6D</u>	Lab Sample ID: <u>240-70214-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7831.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/28/2016 12:40</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/11/2016 12:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>250</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>250757</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		250	88
75-00-3	Chloroethane	ND		250	80
156-59-2	cis-1,2-Dichloroethene	3500	5	250	65
75-34-3	1,1-Dichloroethane	ND		250	75
75-35-4	1,1-Dichloroethene	ND		250	110
100-41-4	Ethylbenzene	ND		250	63
91-20-3	Naphthalene	ND		250	110
127-18-4	Tetrachloroethene	ND		250	78
108-88-3	Toluene	ND		250	58
156-60-5	trans-1,2-Dichloroethene	ND		250	75
71-55-6	1,1,1-Trichloroethane	ND		250	110
79-01-6	Trichloroethene	ND		250	55
75-01-4	Vinyl chloride	690	5	250	73
1330-20-7	Xylenes, Total	ND		500	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	79		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		63-132
2037-26-5	Toluene-d8 (Surr)	93		73-124

OK
11/2/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-9D Lab Sample ID: 240-70280-10
 Matrix: Water Lab File ID: UXJ7893.D
 Analysis Method: 8260C Date Collected: 09/29/2016 16:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/13/2016 12:36
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251181 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1000	350
75-00-3	Chloroethane	ND		1000	320
156-59-2	cis-1,2-Dichloroethene	26000		1000	260
75-34-3	1,1-Dichloroethane	ND		1000	300
75-35-4	1,1-Dichloroethene	ND		1000	450
100-41-4	Ethylbenzene	ND		1000	250
91-20-3	Naphthalene	ND		1000	450
127-18-4	Tetrachloroethene	ND	0.5	1000	310
108-88-3	Toluene	ND		1000	230
156-60-5	trans-1,2-Dichloroethene	ND		1000	300
71-55-6	1,1,1-Trichloroethane	ND	0.5	1000	440
79-01-6	Trichloroethene	2900		1000	220
75-01-4	Vinyl chloride	19000		1000	290
1330-20-7	Xylenes, Total	ND		2000	520

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		63-132
2037-26-5	Toluene-d8 (Surr)	98		73-124

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11/13/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-10D Lab Sample ID: 240-70280-4
 Matrix: Water Lab File ID: UXJ7873.D
 Analysis Method: 8260C Date Collected: 09/29/2016 12:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/12/2016 18:31
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		500	180
75-00-3	Chloroethane	ND	<i>JS</i>	500	160
156-59-2	cis-1,2-Dichloroethene	15000		500	130
75-34-3	1,1-Dichloroethane	280	J	500	150
75-35-4	1,1-Dichloroethene	ND		500	230
100-41-4	Ethylbenzene	ND		500	130
91-20-3	Naphthalene	ND		500	230
127-18-4	Tetrachloroethene	ND		500	160
108-88-3	Toluene	ND		500	120
156-60-5	trans-1,2-Dichloroethene	ND		500	150
71-55-6	1,1,1-Trichloroethane	ND		500	220
79-01-6	Trichloroethene	800		500	110
75-01-4	Vinyl chloride	3600		500	150
1330-20-7	Xylenes, Total	ND		1000	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	82		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		63-132
2037-26-5	Toluene-d8 (Surr)	93		73-124

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11/3/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: PMW-11D Lab Sample ID: 240-70214-6
 Matrix: Water Lab File ID: UXJ7859.D
 Analysis Method: 8260C Date Collected: 09/28/2016 14:05
 Sample wt/vol: 5(mL) Date Analyzed: 10/12/2016 13:11
 Soil Aliquot Vol: _____ Dilution Factor: 833.33
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		830	290
75-00-3	Chloroethane	ND	<i>JS</i>	830	270
156-59-2	cis-1,2-Dichloroethene	3300		830	220
75-34-3	1,1-Dichloroethane	790	J	830	250
75-35-4	1,1-Dichloroethene	690	J	830	370
100-41-4	Ethylbenzene	ND		830	210
91-20-3	Naphthalene	ND		830	370
127-18-4	Tetrachloroethene	ND		830	260
108-88-3	Toluene	ND		830	190
156-60-5	trans-1,2-Dichloroethene	ND		830	250
71-55-6	1,1,1-Trichloroethane	17000		830	370
79-01-6	Trichloroethene	250	J	830	180
75-01-4	Vinyl chloride	440	J	830	240
1330-20-7	Xylenes, Total	ND		1700	430

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		63-132
2037-26-5	Toluene-d8 (Surr)	99		73-124

JS
11/2/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

PMW-100

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-60D Lab Sample ID: 240-70280-5
 Matrix: Water Lab File ID: UXJ7896.D
 Analysis Method: 8260C Date Collected: 09/29/2016 09:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/13/2016 13:44
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251181 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		500	180
75-00-3	Chloroethane	ND		500	160
156-59-2	cis-1,2-Dichloroethene	15000	FI	500	130
75-34-3	1,1-Dichloroethane	330	J	500	150
75-35-4	1,1-Dichloroethene	ND		500	230
100-41-4	Ethylbenzene	ND		500	130
91-20-3	Naphthalene	ND		500	230
127-18-4	Tetrachloroethene	ND	VS	500	160
108-88-3	Toluene	ND		500	120
156-60-5	trans-1,2-Dichloroethene	ND		500	150
71-55-6	1,1,1-Trichloroethane	ND	VS	500	220
79-01-6	Trichloroethene	700		500	110
75-01-4	Vinyl chloride	4000		500	150
1330-20-7	Xylenes, Total	ND		1000	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		63-132
2037-26-5	Toluene-d8 (Surr)	96		73-124

10/21/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG No.: _____

Client Sample ID: PMW-16D

Lab Sample ID: 240-70306-4

Matrix: Water

Lab File ID: UXJ7899.D

Analysis Method: 8260C

Date Collected: 09/30/2016 12:45

Sample wt/vol: 5 (mL)

Date Analyzed: 10/13/2016 14:51

Soil Aliquot Vol: _____

Dilution Factor: 1666.67

Soil Extract Vol.: _____

GC Column: DB-624 ID: 0.18 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 251181

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1700	470
75-00-3	Chloroethane	ND		1700	680
156-59-2	cis-1,2-Dichloroethene	36000		1700	500
75-34-3	1,1-Dichloroethane	800	J	1700	420
75-35-4	1,1-Dichloroethene	ND		1700	450
100-41-4	Ethylbenzene	ND		1700	430
91-20-3	Naphthalene	ND		1700	420
127-18-4	Tetrachloroethene	ND		1700	500
108-88-3	Toluene	ND		1700	380
156-60-5	trans-1,2-Dichloroethene	ND		1700	480
79-01-6	Trichloroethene	700	J	1700	550
75-01-4	Vinyl chloride	4000		1700	750
1330-20-7	Xylenes, Total	ND		3300	400

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	79		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: PMW-16D Lab Sample ID: 240-70306-4
 Matrix: Water Lab File ID: UXR4964.D
 Analysis Method: 8260C Date Collected: 09/30/2016 12:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/14/2016 14:02
 Soil Aliquot Vol: _____ Dilution Factor: 1666.67
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251489 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	7900		1700	380

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		63-132
2037-26-5	Toluene-d8 (Surr)	89		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: PMW-17D Lab Sample ID: 240-70214-3
 Matrix: Water Lab File ID: UXJ7815.D
 Analysis Method: 8260C Date Collected: 09/28/2016 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/10/2016 19:20
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250595 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1000	350
75-00-3	Chloroethane	ND		1000	320
156-59-2	cis-1,2-Dichloroethene	9300		1000	260
75-34-3	1,1-Dichloroethane	1700		1000	300
75-35-4	1,1-Dichloroethene	ND		1000	450
100-41-4	Ethylbenzene	ND		1000	250
91-20-3	Naphthalene	ND		1000	450
127-18-4	Tetrachloroethene	ND		1000	310
108-88-3	Toluene	ND		1000	230
156-60-5	trans-1,2-Dichloroethene	ND		1000	300
71-55-6	1,1,1-Trichloroethane	13000		1000	440
79-01-6	Trichloroethene	590	J	1000	220
75-01-4	Vinyl chloride	2100		1000	290
1330-20-7	Xylenes, Total	ND		2000	520

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	77		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		63-132
2037-26-5	Toluene-d8 (Surr)	88		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-70306-1</u>
SDG No.: _____	
Client Sample ID: <u>RMW-2D</u>	Lab Sample ID: <u>240-70306-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7902.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/30/2016 16:20</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/13/2016 15:59</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1250</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>251181</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1300	350
75-00-3	Chloroethane	ND		1300	510
75-34-3	1,1-Dichloroethane	ND		1300	310
75-35-4	1,1-Dichloroethene	ND		1300	340
100-41-4	Ethylbenzene	ND		1300	330
91-20-3	Naphthalene	ND		1300	310
127-18-4	Tetrachloroethene	1000	J	1300	380
108-88-3	Toluene	ND		1300	290
156-60-5	trans-1,2-Dichloroethene	ND		1300	360
71-55-6	1,1,1-Trichloroethane	ND		1300	290
75-01-4	Vinyl chloride	690	J	1300	560
1330-20-7	Xylenes, Total	ND		2500	300

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	82		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		63-132
2037-26-5	Toluene-d8 (Surr)	96		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: RMW-2D Lab Sample ID: 240-70306-7
 Matrix: Water Lab File ID: UXC8905.D
 Analysis Method: 8260C Date Collected: 09/30/2016 16:20
 Sample wt/vol: 5(mL) Date Analyzed: 10/14/2016 11:09
 Soil Aliquot Vol.: _____ Dilution Factor: 5000
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251380 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	110000	5	5000	1500
79-01-6	Trichloroethene	130000	↓	5000	1700

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		63-132
2037-26-5	Toluene-d8 (Surr)	104		73-124

Q17116

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Canton</u>	Job No.: <u>240-70214-1</u>
SDG No.: _____	
Client Sample ID: <u>RMW-3D</u>	Lab Sample ID: <u>240-70214-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXJ7813.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/28/2016 09:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/10/2016 18:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1250</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>250595</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1300	440
75-00-3	Chloroethane	ND		1300	400
156-59-2	cis-1,2-Dichloroethene	2300		1300	330
75-34-3	1,1-Dichloroethane	ND		1300	380
75-35-4	1,1-Dichloroethene	ND		1300	560
100-41-4	Ethylbenzene	ND		1300	310
91-20-3	Naphthalene	ND		1300	560
127-18-4	Tetrachloroethene	ND		1300	390
108-88-3	Toluene	ND		1300	290
156-60-5	trans-1,2-Dichloroethene	ND		1300	380
71-55-6	1,1,1-Trichloroethane	15000		1300	550
79-01-6	Trichloroethene	ND		1300	280
75-01-4	Vinyl chloride	ND		1300	360
1330-20-7	Xylenes, Total	ND		2500	650

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	76		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: RMW-4D Lab Sample ID: 240-70280-9
 Matrix: Water Lab File ID: UXJ7892.D
 Analysis Method: 8260C Date Collected: 09/29/2016 15:50
 Sample wt/vol: 5(mL) Date Analyzed: 10/13/2016 12:14
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251181 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		500	180
75-00-3	Chloroethane	ND		500	160
156-59-2	cis-1,2-Dichloroethene	15000		500	130
75-34-3	1,1-Dichloroethane	ND		500	150
75-35-4	1,1-Dichloroethene	ND		500	230
100-41-4	Ethylbenzene	ND		500	130
91-20-3	Naphthalene	ND		500	230
127-18-4	Tetrachloroethene	ND	JS	500	160
108-88-3	Toluene	ND		500	120
156-60-5	trans-1,2-Dichloroethene	ND		500	150
71-55-6	1,1,1-Trichloroethane	ND	JS	500	220
79-01-6	Trichloroethene	1100		500	110
75-01-4	Vinyl chloride	5400		500	150
1330-20-7	Xylenes, Total	ND		1000	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	84		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		63-132
2037-26-5	Toluene-d8 (Surr)	97		73-124

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: TB-092616 Lab Sample ID: 240-70070-8
 Matrix: Water Lab File ID: UXJ7742.D
 Analysis Method: 8260C Date Collected: 09/26/2016 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 15:11
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	ND		1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	ND		1.0	0.29
1330-20-7	Xylenes, Total	ND		2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	78		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		63-132
2037-26-5	Toluene-d8 (Surr)	91		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: TB-092716 Lab Sample ID: 240-70149-1
 Matrix: Water Lab File ID: UXJ7749.D
 Analysis Method: 8260C Date Collected: 09/27/2016 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/07/2016 17:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250329 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	ND		1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	ND		1.0	0.29
1330-20-7	Xylenes, Total	ND		2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	75		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		63-132
2037-26-5	Toluene-d8 (Surr)	92		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: TB-092816 Lab Sample ID: 240-70214-9
 Matrix: Water Lab File ID: UXJ7835.D
 Analysis Method: 8260C Date Collected: 09/28/2016 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/11/2016 13:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.35
75-00-3	Chloroethane	ND		1.0	0.32
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	ND		1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	ND		1.0	0.29
1330-20-7	Xylenes, Total	ND		2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		63-132
2037-26-5	Toluene-d8 (Surr)	94		73-124

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: TB-092916 Lab Sample ID: 240-70280-1
 Matrix: Water Lab File ID: UXJ7868.D
 Analysis Method: 8260C Date Collected: 09/29/2016 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 10/12/2016 16:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.35
75-00-3	Chloroethane	ND	US	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
75-34-3	1,1-Dichloroethane	ND		1.0	0.30
75-35-4	1,1-Dichloroethene	ND		1.0	0.45
100-41-4	Ethylbenzene	ND		1.0	0.25
91-20-3	Naphthalene	ND		1.0	0.45
127-18-4	Tetrachloroethene	ND		1.0	0.31
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.44
79-01-6	Trichloroethene	ND		1.0	0.22
75-01-4	Vinyl chloride	ND		1.0	0.29
1330-20-7	Xylenes, Total	ND		2.0	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		63-132
2037-26-5	Toluene-d8 (Surr)	96		73-124

240-70280-1
11/3/16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: TB-093016 Lab Sample ID: 240-70306-1
 Matrix: Water Lab File ID: UXJ7880.D
 Analysis Method: 8260C Date Collected: 09/30/2016 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 10/12/2016 21:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251017 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.28
75-00-3	Chloroethane	~~ND~~	<u>R</u>	1.0	0.41
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.30
75-34-3	1,1-Dichloroethane	ND		1.0	0.25
75-35-4	1,1-Dichloroethene	ND		1.0	0.27
100-41-4	Ethylbenzene	ND		1.0	0.26
91-20-3	Naphthalene	ND		1.0	0.25
127-18-4	Tetrachloroethene	ND		1.0	0.30
108-88-3	Toluene	ND		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.29
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.23
79-01-6	Trichloroethene	ND		1.0	0.33
75-01-4	Vinyl chloride	ND		1.0	0.45
1330-20-7	Xylenes, Total	ND		2.0	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		63-132
2037-26-5	Toluene-d8 (Surr)	92		73-124

OK
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: INJ-7D Lab Sample ID: 240-70306-3
 Matrix: Water Lab File ID: RSK0101415.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 10:45
 Sample wt/vol: 33 (mL) Date Analyzed: 10/14/2016 20:36
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	880	* 3	5.0	0.80
74-84-0	Ethane	33	* ↓	5.0	1.4
74-85-1	Ethene	880	* ↓	5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	106		76-121

Q-178
11/7/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
SDG No.: _____
Client Sample ID: INJ-7D Lab Sample ID: 240-70306-3
Matrix: Water Lab File ID: RSK0101715.D
Analysis Method: RSK-175 Date Collected: 09/30/2016 10:45
Sample wt/vol: 33(mL) Date Analyzed: 10/17/2016 18:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	490	H	0.50	0.080
74-84-0	Ethane	19	H	0.50	0.14
74-85-1	Ethene	460	H	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	80		76-121

Q4X
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: INJ-11D Lab Sample ID: 240-70280-6
 Matrix: Water Lab File ID: RSK0101626.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 12:35
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 22:05
 Soil Aliquot Vol.: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	10000	H <i>J</i>	5.0	0.80
74-84-0	Ethane	73	H <i>↓</i>	5.0	1.4
74-85-1	Ethene	1200	H <i>↓</i>	5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	78		76-121

OK
11/4/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: INJ-13D Lab Sample ID: 240-70280-8
 Matrix: Water Lab File ID: RSK0101628.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 15:30
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 22:40
 Soil Aliquot Vol.: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	9700	H <i>↓</i>	5.0	0.80
74-84-0	Ethane	270	H <i>↓</i>	5.0	1.4
74-85-1	Ethene	1300	H <i>↓</i>	5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	77		76-121

Q175X
11/4/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: MW-2S Lab Sample ID: 240-70280-2
 Matrix: Water Lab File ID: RSK0101619.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 10:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 20:06
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	120	H <i>2.5</i>	0.50	0.080
74-84-0	Ethane	8.8	H <i>↓</i>	0.50	0.14
74-85-1	Ethene	80	H <i>↓</i>	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	82		76-121

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11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: MW-4S Lab Sample ID: 240-70070-3
 Matrix: Water Lab File ID: RSK0100709.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 15:30
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 18:00
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	90		0.50	0.080
74-84-0	Ethane	3.5		0.50	0.14
74-85-1	Ethene	4.0		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	110		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: MW-7D Lab Sample ID: 240-70306-6
 Matrix: Water Lab File ID: RSK0101418.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 13:45
 Sample wt/vol: 33 (mL) Date Analyzed: 10/14/2016 21:27
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5000	* 5	2.5	0.40
74-84-0	Ethane	7.5	* ↓	2.5	0.70
74-85-1	Ethene	300	* ↓	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

[Signature]
 10/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: MW-7D Lab Sample ID: 240-70306-6
 Matrix: Water Lab File ID: RSK0101718.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 13:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/17/2016 19:30
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	4100	H	2.5	0.40
74-84-0	Ethane	7.4	H	2.5	0.70
74-85-1	Ethene	270	H	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	82		76-121

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10/11/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: MW-9S Lab Sample ID: 240-70214-8
 Matrix: Water Lab File ID: RSK0101216.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 16:50
 Sample wt/vol: 33(mL) Date Analyzed: 10/12/2016 21:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	6.7	5	0.50	0.080
74-84-0	Ethane	ND	5	0.50	0.14
74-85-1	Ethene	ND	↓	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

OK
11/21/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
SDG No.: _____
Client Sample ID: MW-9S Lab Sample ID: 240-70214-8
Matrix: Water Lab File ID: RSK0101607.D
Analysis Method: RSK-175 Date Collected: 09/28/2016 16:50
Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 16:41
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	4.4	H	0.50	0.080
74-84-0	Ethane	ND	H	0.50	0.14
74-85-1	Ethene	ND	H	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	90		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-10D Lab Sample ID: 240-70280-4
 Matrix: Water Lab File ID: RSK0101623.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 12:25
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 21:14
 Soil Aliquot Vol.: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5300	H 5	2.5	0.40
74-84-0	Ethane	51	H	2.5	0.70
74-85-1	Ethene	5800	H ↓	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	80		76-121

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11/4/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
SDG No.: _____
Client Sample ID: MW-10S Lab Sample ID: 240-70280-3
Matrix: Water Lab File ID: RSK0101620.D
Analysis Method: RSK-175 Date Collected: 09/29/2016 10:05
Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 20:23
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	23	H	0.50	0.080
74-84-0	Ethane	0.94	H P2	0.50	0.14
74-85-1	Ethene	5.3	H P2	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	81		76-121

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11/4/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-11D Lab Sample ID: 240-70149-9
 Matrix: Water Lab File ID: RSK0101118.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 15:40
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 22:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	160		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	101		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-11S Lab Sample ID: 240-70149-10
 Matrix: Water Lab File ID: RSK0101019.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 16:25
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 22:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	1.1		0.50	0.14
74-85-1	Ethene	16		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-11S Lab Sample ID: 240-70149-10
 Matrix: Water Lab File ID: RSK0101119.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 16:25
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 22:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	90		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: MW-12S Lab Sample ID: 240-70214-4
 Matrix: Water Lab File ID: RSK0101211.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 12:25
 Sample wt/vol: 33(mL) Date Analyzed: 10/12/2016 20:01
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2600		1.0	0.16
74-84-0	Ethane	19		1.0	0.28
74-85-1	Ethene	480		1.0	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	98		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: MW-12S Lab Sample ID: 240-70214-4
 Matrix: Water Lab File ID: RSK0101211.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 12:25
 Sample wt/vol: 33 (mL) Date Analyzed: 10/12/2016 20:01
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2600		1.0	0.16
74-84-0	Ethane	19		1.0	0.28
74-85-1	Ethene	480		1.0	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	98		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 240-70149-3
 Matrix: Water Lab File ID: RSK0101011.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 10:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 20:05
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	3.5		0.50	0.14
74-85-1	Ethene	76		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 240-70149-3
 Matrix: Water Lab File ID: RSK0101111.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 10:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 20:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1400		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	101		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
SDG No.: _____
Client Sample ID: MW-15D Lab Sample ID: 240-70149-2
Matrix: Water Lab File ID: RSK0101010.D
Analysis Method: RSK-175 Date Collected: 09/27/2016 09:40
Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 19:48
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	0.67		0.50	0.14
74-85-1	Ethene	8.5		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-15D Lab Sample ID: 240-70149-2
 Matrix: Water Lab File ID: RSK0101110.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 09:40
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 20:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	65		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-17D Lab Sample ID: 240-70149-7
 Matrix: Water Lab File ID: RSK0101016.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 14:25
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 21:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	1.2		0.50	0.14
74-85-1	Ethene	2.7		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-17D Lab Sample ID: 240-70149-7
 Matrix: Water Lab File ID: RSK0101116.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 14:25
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 22:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	38		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-19D Lab Sample ID: 240-70149-4
 Matrix: Water Lab File ID: RSK0101012.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 11:05
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 20:22
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	ND		0.50	0.14
74-85-1	Ethene	ND		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	102		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-19D Lab Sample ID: 240-70149-4
 Matrix: Water Lab File ID: RSK0101112.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 11:05
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 20:53
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	9.1		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	102		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-20D Lab Sample ID: 240-70149-5
 Matrix: Water Lab File ID: RSK0101013.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 12:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 20:39
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	2.6		0.50	0.14
74-85-1	Ethene	56		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	102		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-20D Lab Sample ID: 240-70149-5
 Matrix: Water Lab File ID: RSK0101113.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 12:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 21:10
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	240		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: MW-21D Lab Sample ID: 240-70149-6
 Matrix: Water Lab File ID: RSK0101015.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 12:55
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 21:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	0.91		0.50	0.14
74-85-1	Ethene	11		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
SDG No.: _____
Client Sample ID: MW-21D Lab Sample ID: 240-70149-6
Matrix: Water Lab File ID: RSK0101115.D
Analysis Method: RSK-175 Date Collected: 09/27/2016 12:55
Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 21:44
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	55		0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
SDG No.: _____
Client Sample ID: OR-4SM Lab Sample ID: 240-70214-7
Matrix: Water Lab File ID: RSK0101215.D
Analysis Method: RSK-175 Date Collected: 09/28/2016 14:45
Sample wt/vol: 33 (mL) Date Analyzed: 10/12/2016 21:09
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	3800		2.5	0.40
74-84-0	Ethane	1.5	J	2.5	0.70
74-85-1	Ethene	ND	JS	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	100		76-121

JS
10/12/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: OR-4SM Lab Sample ID: 240-70214-7
 Matrix: Water Lab File ID: RSK0101606.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 14:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 16:24
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	3000	H <u>3</u>	2.5	0.40
74-84-0	Ethane	1.3	J H	2.5	0.70
74-85-1	Ethene	1.5	J H	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	90		76-121

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out of 11/2/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: OR-6SM Lab Sample ID: 240-70070-1
 Matrix: Water Lab File ID: RSK0100707.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 12:30
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 17:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	47		0.50	0.14
74-85-1	Ethene	23		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	108		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: OR-10SM Lab Sample ID: 240-70214-2
 Matrix: Water Lab File ID: RSK0101207.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 10:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/12/2016 18:53
 Soil Aliquot Vol.: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	4100		2.5	0.40
74-84-0	Ethane	13	~~E2~~	2.5	0.70
74-85-1	Ethene	57	~~E2~~	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	108		76-121

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FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: OR-14SM Lab Sample ID: 240-70070-5
 Matrix: Water Lab File ID: RSK0100711.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 12:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 18:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	0.81		0.50	0.14
74-85-1	Ethene	1.5		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
SDG No.: _____
Client Sample ID: OR-14SM Lab Sample ID: 240-70070-5
Matrix: Water Lab File ID: RSK0100911.D
Analysis Method: RSK-175 Date Collected: 09/26/2016 12:00
Sample wt/vol: 33(mL) Date Analyzed: 10/09/2016 23:05
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250520 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5800	<u>D</u>	2.5	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

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11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: OR-18SM Lab Sample ID: 240-70070-4
 Matrix: Water Lab File ID: RSK0100710.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 13:05
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 18:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
~~74-82-8~~	~~Methane~~	~~2700~~	~~E~~	~~0.50~~	~~0.000~~
74-84-0	Ethane	2.2	<u>3</u>	0.50	0.14
74-85-1	Ethene	7.1	<u>3</u>	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	109		76-121

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11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
SDG No.: _____
Client Sample ID: OR-18SM Lab Sample ID: 240-70070-4
Matrix: Water Lab File ID: RSK0101106.D
Analysis Method: RSK-175 Date Collected: 09/26/2016 13:05
Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 19:11
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	3700	~~H~~ <u>DS</u>	2.5	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	112		76-121

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11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
SDG No.: _____
Client Sample ID: OR-6SM Lab Sample ID: 240-70070-1
Matrix: Water Lab File ID: RSK0100906.D
Analysis Method: RSK-175 Date Collected: 09/26/2016 12:30
Sample wt/vol: 33(mL) Date Analyzed: 10/09/2016 21:41
Soil Aliquot Vol: _____ Dilution Factor: 2
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250520 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2100	D	1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	111		76-121

OK
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: PMW-1D Lab Sample ID: 240-70070-7
 Matrix: Water Lab File ID: RSK0100713.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 16:35
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 19:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	300		0.50	0.14
74-85-1	Ethene	940		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
SDG No.: _____
Client Sample ID: PMW-1D Lab Sample ID: 240-70070-7
Matrix: Water Lab File ID: RSK0100913.D
Analysis Method: RSK-175 Date Collected: 09/26/2016 16:35
Sample wt/vol: 33(mL) Date Analyzed: 10/09/2016 23:39
Soil Aliquot Vol: _____ Dilution Factor: 10
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250520 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5200	D	5.0	0.80

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

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FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

PMW-10

Lab Name: TestAmerica Canton Job No.: 240-70070-1
SDG No.: _____
Client Sample ID: PMW-51D Lab Sample ID: 240-70070-6
Matrix: Water Lab File ID: RSK0100712.D
Analysis Method: RSK-175 Date Collected: 09/26/2016 09:00
Sample wt/vol: 33 (mL) Date Analyzed: 10/07/2016 18:51
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	240		0.50	0.14
74-85-1	Ethene	830		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

OK
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Pmw-ID

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: PMW-51D Lab Sample ID: 240-70070-6
 Matrix: Water Lab File ID: RSK0100912.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 09:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/09/2016 23:22
 Soil Aliquot Vol.: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250520 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5700	<i>D</i>	2.5	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

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FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: PMW-1S Lab Sample ID: 240-70070-2
 Matrix: Water Lab File ID: RSK0100708.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 10:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 17:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	17		0.50	0.14
74-85-1	Ethene	90		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	109		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
SDG No.: _____
Client Sample ID: PMW-1S Lab Sample ID: 240-70070-2
Matrix: Water Lab File ID: RSK0100907.D
Analysis Method: RSK-175 Date Collected: 09/26/2016 10:00
Sample wt/vol: 33 (mL) Date Analyzed: 10/09/2016 21:57
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250520 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	4100	<u>D</u>	2.5	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	106		76-121

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10/11/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: PMW-2D Lab Sample ID: 240-70306-5
 Matrix: Water Lab File ID: RSK0101417.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 14:05
 Sample wt/vol: 33(mL) Date Analyzed: 10/14/2016 21:10
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5200	✓ 3	5.0	0.80
74-84-0	Ethane	13	✓ ↓	5.0	1.4
74-85-1	Ethene	2800	✓ ↓	5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	108		76-121

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FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
SDG No.: _____
Client Sample ID: PMW-2D Lab Sample ID: 240-70306-5
Matrix: Water Lab File ID: RSK0101717.D
Analysis Method: RSK-175 Date Collected: 09/30/2016 14:05
Sample wt/vol: 33(mL) Date Analyzed: 10/17/2016 19:13
Soil Aliquot Vol: _____ Dilution Factor: 10
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	3700	H	5.0	0.80
74-84-0	Ethane	15	H	5.0	1.4
74-85-1	Ethene	2400	H	5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	83		76-121

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FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: PMW-3S Lab Sample ID: 240-70306-2
 Matrix: Water Lab File ID: RSK0101414.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 11:30
 Sample wt/vol: 33(mL) Date Analyzed: 10/14/2016 20:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	3200	~~E~~ ~~3~~	0.50	0.080
74-84-0	Ethane	24	~~3~~	0.50	0.14
74-85-1	Ethene	100	~~3~~	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

OK
11/7/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
SDG No.: _____
Client Sample ID: PMW-3S Lab Sample ID: 240-70306-2
Matrix: Water Lab File ID: RSK0101713.D
Analysis Method: RSK-175 Date Collected: 09/30/2016 11:30
Sample wt/vol: 33(mL) Date Analyzed: 10/17/2016 18:05
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1600	H	2.5	0.40
74-84-0	Ethane	12	H	2.5	0.70
74-85-1	Ethene	47	H	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	86		76-121

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11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: PMW-4S Lab Sample ID: 240-70149-8
 Matrix: Water Lab File ID: RSK0101017.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 14:50
 Sample wt/vol: 33 (mL) Date Analyzed: 10/10/2016 21:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	21		0.50	0.14
74-85-1	Ethene	46		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	99		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
SDG No.: _____
Client Sample ID: PMW-6S Lab Sample ID: 240-70149-11
Matrix: Water Lab File ID: RSK0101120.D
Analysis Method: RSK-175 Date Collected: 09/27/2016 16:25
Sample wt/vol: 33 (mL) Date Analyzed: 10/11/2016 23:10
Soil Aliquot Vol: _____ Dilution Factor: 2
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2700	DJ	1.0	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	107		76-121

QJH
11/2/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-8D Lab Sample ID: 240-70280-7
 Matrix: Water Lab File ID: RSK0101627.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 13:55
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 22:22
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	2500	H	1.0	0.16
74-84-0	Ethane	10	H	1.0	0.28
74-85-1	Ethene	280	H	1.0	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	79		76-121

Signature
11/4/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-9D Lab Sample ID: 240-70280-10
 Matrix: Water Lab File ID: RSK0101630.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 16:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 23:14
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	9100	~~H~~ J	5.0	0.80
74-84-0	Ethane	240	~~H~~ ↓	5.0	1.4
74-85-1	Ethene	14000	~~H~~ ↓	5.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	76		76-121

OK
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

PMW-100

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: PMW-60D Lab Sample ID: 240-70280-5
 Matrix: Water Lab File ID: RSK0101624.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 09:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 21:31
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	4700	H 5	2.5	0.40
74-84-0	Ethane	63	H	2.5	0.70
74-85-1	Ethene	5000	H ↓	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	79		76-121

JFK
11/14/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: PMW-16D Lab Sample ID: 240-70306-4
 Matrix: Water Lab File ID: RSK0101416.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 12:45
 Sample wt/vol: 33(mL) Date Analyzed: 10/14/2016 20:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	600	* <u>3</u>	0.50	0.080
74-84-0	Ethane	5.5	* <u>↓</u>	0.50	0.14
74-85-1	Ethene	290	* <u>↓</u>	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

check
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
SDG No.: _____
Client Sample ID: PMW-16D Lab Sample ID: 240-70306-4
Matrix: Water Lab File ID: RSK0101716.D
Analysis Method: RSK-175 Date Collected: 09/30/2016 12:45
Sample wt/vol: 33(mL) Date Analyzed: 10/17/2016 18:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 251726 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	470	H	0.50	0.080
74-84-0	Ethane	5.0	H	0.50	0.14
74-85-1	Ethene	280	H	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	84		76-121

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11/7/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: PMW-17D Lab Sample ID: 240-70214-3
 Matrix: Water Lab File ID: RSK0101210.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 12:15
 Sample wt/vol: 33(mL) Date Analyzed: 10/12/2016 19:44
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	1200		0.50	0.080
74-84-0	Ethane	7.1		0.50	0.14
74-85-1	Ethene	75		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	103		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: RMW-2D Lab Sample ID: 240-70306-7
 Matrix: Water Lab File ID: RSK0101419.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 16:20
 Sample wt/vol: 33 (mL) Date Analyzed: 10/14/2016 21:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	290	* 5	0.50	0.080
74-84-0	Ethane	37	* ↓	0.50	0.14
74-85-1	Ethene	85	* ↓	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

Handwritten signature
11/7/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG No.: _____

Client Sample ID: RMW-2D

Lab Sample ID: 240-70306-7

Matrix: Water

Lab File ID: RSK0101719.D

Analysis Method: RSK-175

Date Collected: 09/30/2016 16:20

Sample wt/vol: 33(mL)

Date Analyzed: 10/17/2016 19:47

Soil Aliquot Vol: _____

Dilution Factor: 1

Soil Extract Vol.: _____

GC Column: HP-PLOT/Q ID: 0.53(mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 251726

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	140	H	0.50	0.080
74-84-0	Ethane	21	H	0.50	0.14
74-85-1	Ethene	55	H	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	85		76-121

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11/7/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: RMW-3D Lab Sample ID: 240-70214-1
 Matrix: Water Lab File ID: RSK0101206.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 09:55
 Sample wt/vol: 33(mL) Date Analyzed: 10/12/2016 18:36
 Soil Aliquot Vol.: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	28		0.50	0.080
74-84-0	Ethane	1.4		0.50	0.14
74-85-1	Ethene	1.0		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	110		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: RMW-4D Lab Sample ID: 240-70280-9
 Matrix: Water Lab File ID: RSK0101629.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 15:50
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 22:57
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	5200	~~H~~ J	2.5	0.40
74-84-0	Ethane	27	~~H~~ J	2.5	0.70
74-85-1	Ethene	1600	~~H~~ J	2.5	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	77		76-121

APK
11/1/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70070-1
 SDG No.: _____
 Client Sample ID: TB-092616 Lab Sample ID: 240-70070-8
 Matrix: Water Lab File ID: RSK0100715.D
 Analysis Method: RSK-175 Date Collected: 09/26/2016 00:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/07/2016 19:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250395 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	0.12	J	0.50	0.080
74-84-0	Ethane	ND		0.50	0.14
74-85-1	Ethene	ND		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	100		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: TB-092716 Lab Sample ID: 240-70149-1
 Matrix: Water Lab File ID: RSK0101009.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 00:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 19:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	ND		0.50	0.14
74-85-1	Ethene	ND		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	105		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
 SDG No.: _____
 Client Sample ID: TB-092716 Lab Sample ID: 240-70149-1
 Matrix: Water Lab File ID: RSK0101109.D
 Analysis Method: RSK-175 Date Collected: 09/27/2016 00:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/11/2016 20:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 250876 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	0.17	J	0.50	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	106		76-121

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Client Sample ID: TB-092816 Lab Sample ID: 240-70214-9
 Matrix: Water Lab File ID: RSK0101217.D
 Analysis Method: RSK-175 Date Collected: 09/28/2016 00:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/12/2016 21:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251125 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	0.097	J	0.50	0.080
74-84-0	Ethane	ND	65	0.50	0.14
74-85-1	Ethene	ND	↓	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	98		76-121

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FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG No.: _____

Client Sample ID: TB-092816

Lab Sample ID: 240-70214-9

Matrix: Water

Lab File ID: RSK0101608.D

Analysis Method: RSK-175

Date Collected: 09/28/2016 00:00

Sample wt/vol: 33(mL)

Date Analyzed: 10/16/2016 16:58

Soil Aliquot Vol: _____

Dilution Factor: 1

Soil Extract Vol.: _____

GC Column: HP-PLOT/Q ID: 0.53 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 251603

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	0.17	J H	0.50	0.080
74-84-0	Ethane	ND	H	0.50	0.14
74-85-1	Ethene	ND	H	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	85		76-121

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11/2/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70280-1
 SDG No.: _____
 Client Sample ID: TB-092916 Lab Sample ID: 240-70280-1
 Matrix: Water Lab File ID: RSK0101618.D
 Analysis Method: RSK-175 Date Collected: 09/29/2016 00:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/16/2016 19:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251603 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	0.090	J H	0.50	0.080
74-84-0	Ethane	ND	H <i>CS</i>	0.50	0.14
74-85-1	Ethene	ND	H <i>↓</i>	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	79		76-121

CHSK
11/4/16

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Client Sample ID: TB-093016 Lab Sample ID: 240-70306-1
 Matrix: Water Lab File ID: RSK0101413.D
 Analysis Method: RSK-175 Date Collected: 09/30/2016 00:00
 Sample wt/vol: 33(mL) Date Analyzed: 10/14/2016 20:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 251428 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-82-8	Methane	0.12	J *	0.50	0.080
74-84-0	Ethane	ND	* <i>CS</i>	0.50	0.14
74-85-1	Ethene	ND	* <i>↓</i>	0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	104		76-121

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11/7/16

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: INJ-7D

Lab Sample ID: 240-70306-3

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 10:45

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	28000	100	25	ug/L			1	6010C
7440-09-7	Potassium	7600	5000	70	ug/L			1	6010C

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-70149-1
SDG No.: _____
Client Sample ID: MW-11D Lab Sample ID: 240-70149-9
Matrix: Water Lab File ID: RSK0101018.D
Analysis Method: RSK-175 Date Collected: 09/27/2016 15:40
Sample wt/vol: 33(mL) Date Analyzed: 10/10/2016 22:04
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: HP-PLOT/Q ID: 0.53(mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 250663 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-84-0	Ethane	31		0.50	0.14
74-85-1	Ethene	8.0		0.50	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
420-46-2	1,1,1-Trifluoroethane	101		76-121

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: INJ-11D

Lab Sample ID: 240-70280-6

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 12:35

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	350	100	25	ug/L			1	6010C
7440-09-7	Potassium	12000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: INJ-13D

Lab Sample ID: 240-70280-8

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 15:30

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	4000	100	25	ug/L			1	6010C
7440-09-7	Potassium	9400	5000	70	ug/L			1	6010C

Client Sample ID: MW-2S	Lab Sample ID: 240-70280-2
Lab Name: TestAmerica Canton	Job No.: 240-70280-1
SDG ID.:	
Matrix: Water	Date Sampled: 09/29/2016 10:00
Reporting Basis: WET	Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	3000	100	25	ug/L			1	6010C
7440-09-7	Potassium	3100	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-4S

Lab Sample ID: 240-70070-3

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 15:30

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	560	100	25	ug/L			1	6010C
7440-09-7	Potassium	6600	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-7D

Lab Sample ID: 240-70306-6

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 13:45

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	63	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	7300	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-9S

Lab Sample ID: 240-70214-8

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 16:50

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	4100	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-13D

Lab Sample ID: 240-70149-3

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 10:45

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	5300	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-15D

Lab Sample ID: 240-70149-2

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 09:40

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	260	100	25	ug/L			1	6010C
7440-09-7	Potassium	4100	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-19D

Lab Sample ID: 240-70149-4

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 11:05

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	1700	100	25	ug/L			1	6010C
7440-09-7	Potassium	4800	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: OR-4SM

Lab Sample ID: 240-70214-7

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 14:45

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	16000	100	25	ug/L			1	6010C
7440-09-7	Potassium	19000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: OR-6SM

Lab Sample ID: 240-70070-1

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 12:30

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	1700	100	25	ug/L			1	6010C
7440-09-7	Potassium	23000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: OR-10SM

Lab Sample ID: 240-70214-2

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 10:45

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	790	100	25	ug/L			1	6010C
7440-09-7	Potassium	3000	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: OR-14SM

Lab Sample ID: 240-70070-5

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 12:00

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	1600	100	25	ug/L			1	6010C
7440-09-7	Potassium	2900	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: OR-18SM

Lab Sample ID: 240-70070-4

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 13:05

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	15000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-1D

Lab Sample ID: 240-70070-7

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/26/2016 16:35

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	45000	100	25	ug/L			1	6010C
7440-09-7	Potassium	11000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

PMW-1D

Client Sample ID: PMW-51D

Lab Sample ID: 240-70070-6

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 09:00

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	48000	100	25	ug/L			1	6010C
7440-09-7	Potassium	11000	5000	70	ug/L			1	6010C

OK
11/1/16

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-1S

Lab Sample ID: 240-70070-2

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 10:00

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	59	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	15000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-2D

Lab Sample ID: 240-70306-5

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 14:05

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	330	100	25	ug/L			1	6010C
7440-09-7	Potassium	12000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-3S

Lab Sample ID: 240-70306-2

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 11:30

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	490	100	25	ug/L			1	6010C
7440-09-7	Potassium	12000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-4S

Lab Sample ID: 240-70149-8

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 14:50

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	40	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	280	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-6S

Lab Sample ID: 240-70149-11

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 16:25

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	97	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	12000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-8D

Lab Sample ID: 240-70280-7

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 13:55

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	6100	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-10D

Lab Sample ID: 240-70280-4

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 12:25

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	19000	100	25	ug/L			1	6010C
7440-09-7	Potassium	6000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

PMW-100

Client Sample ID: PMW-60D

Lab Sample ID: 240-70280-5

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 09:00

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	18000	100	25	ug/L			1	6010C
7440-09-7	Potassium	5900	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-16D

Lab Sample ID: 240-70306-4

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 12:45

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	78	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	3200	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: RMW-2D

Lab Sample ID: 240-70306-7

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 16:20

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	4900	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-6D

Lab Sample ID: 240-70214-5

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 12:40

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	120	100	25	ug/L			1	6010C
7440-09-7	Potassium	9500	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-9D

Lab Sample ID: 240-70280-10

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 16:00

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	59000	100	25	ug/L			1	6010C
7440-09-7	Potassium	11000	5000	70	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-11D

Lab Sample ID: 240-70214-6

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 14:05

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	66	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	2700	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: PMW-17D

Lab Sample ID: 240-70214-3

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/28/2016 12:15

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	3700	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: RMW-3D

Lab Sample ID: 240-70214-1

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 09:55

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	72	100	25	ug/L	J		1	6010C
7440-09-7	Potassium	2700	5000	70	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: RMW-4D

Lab Sample ID: 240-70280-9

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 15:50

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron	ND	100	25	ug/L			1	6010C
7440-09-7	Potassium	4900	5000	70	ug/L	J		1	6010C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INJ-7D

Lab Sample ID: 240-70306-3

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 10:45

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	160	10	0.80	mg/L		~~B~~	10	9060A
7440-44-0	Total Organic Carbon	160	10	0.80	mg/L		~~B~~	10	9060A

CHX
11/7/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INJ-11D

Lab Sample ID: 240-70280-6

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 12:35

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	83	4.0	0.32	mg/L			4	9060A
	TOC Result 1	82	4.0	0.32	mg/L			4	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INJ-13D

Lab Sample ID: 240-70280-8

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 15:30

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	83	2.0	0.16	mg/L			2	9060A
	TOC Result 1	82	2.0	0.16	mg/L			2	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2S

Lab Sample ID: 240-70280-2

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/29/2016 10:00

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	3.0	1.0	0.080	mg/L		~~B~~	1	9060A
	TOC Result 1	2.8	1.0	0.080	mg/L		~~B~~	1	9060A

Check
11/4/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-13D

Lab Sample ID: 240-70149-3

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 10:45

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	3.0	1.0	0.080	mg/L			1	9060A
	TOC Result 2	3.2	1.0	0.080	mg/L			1	9060A
	TOC Result 3	3.1	1.0	0.080	mg/L			1	9060A
	TOC Result 4	3.3	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	3.1	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-15D

Lab Sample ID: 240-70149-2

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 09:40

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	2.2	1.0	0.080	mg/L			1	9060A
	TOC Result 2	2.3	1.0	0.080	mg/L			1	9060A
	TOC Result 3	2.2	1.0	0.080	mg/L			1	9060A
	TOC Result 4	2.3	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	2.2	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-19D

Lab Sample ID: 240-70149-4

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 11:05

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	6.8	1.0	0.080	mg/L			1	9060A
	TOC Result 2	7.3	1.0	0.080	mg/L			1	9060A
	TOC Result 3	7.0	1.0	0.080	mg/L			1	9060A
	TOC Result 4	7.3	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	7.1	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-4S

Lab Sample ID: 240-70149-8

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 14:50

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	4.9	1.0	0.080	mg/L			1	9060A
	TOC Result 2	5.0	1.0	0.080	mg/L			1	9060A
	TOC Result 3	5.1	1.0	0.080	mg/L			1	9060A
	TOC Result 4	5.1	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	5.0	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-6S

Lab Sample ID: 240-70149-11

Lab Name: TestAmerica Canton

Job No.: 240-70149-1

SDG ID.:

Matrix: Water

Date Sampled: 09/27/2016 16:25

Reporting Basis: WET

Date Received: 09/29/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	30	1.0	0.080	mg/L			1	9060A
	TOC Result 2	33	1.0	0.080	mg/L			1	9060A
	TOC Result 3	31	1.0	0.080	mg/L			1	9060A
	TOC Result 4	32	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	32	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RMW-2D

Lab Sample ID: 240-70306-7

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/30/2016 16:20

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	260	10	0.80	mg/L		~~B~~	10	9060A
7440-44-0	Total Organic Carbon	270	10	0.80	mg/L		~~B~~	10	9060A

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11/7/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-4S

Lab Sample ID: 240-70070-3

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 15:30

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	3.7	1.0	0.080	mg/L			1	9060A
	TOC Result 2	4.0	1.0	0.080	mg/L			1	9060A
	TOC Result 3	3.8	1.0	0.080	mg/L			1	9060A
	TOC Result 4	3.9	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	3.9	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-7D

Lab Sample ID: 240-70306-6

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 13:45

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	230	10	0.80	mg/L		~~B~~	10	9060A
7440-44-0	Total Organic Carbon	240	10	0.80	mg/L		~~B~~	10	9060A

OK
11/11/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-9S

Lab Sample ID: 240-70214-8

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 16:50

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	6.7	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	6.9	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OR-4SM

Lab Sample ID: 240-70214-7

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 14:45

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	37	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	38	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OR-6SM

Lab Sample ID: 240-70070-1

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 12:30

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	37	1.0	0.080	mg/L			1	9060A
	TOC Result 2	38	1.0	0.080	mg/L			1	9060A
	TOC Result 3	37	1.0	0.080	mg/L			1	9060A
	TOC Result 4	39	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	38	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OR-10SM

Lab Sample ID: 240-70214-2

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 10:45

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	14	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	15	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OR-14SM

Lab Sample ID: 240-70070-5

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 12:00

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	13	1.0	0.080	mg/L			1	9060A
	TOC Result 2	14	1.0	0.080	mg/L			1	9060A
	TOC Result 3	13	1.0	0.080	mg/L			1	9060A
	TOC Result 4	14	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	13	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: OR-18SM

Lab Sample ID: 240-70070-4

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 13:05

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	4.7	1.0	0.080	mg/L			1	9060A
	TOC Result 2	5.1	1.0	0.080	mg/L			1	9060A
	TOC Result 3	5.2	1.0	0.080	mg/L			1	9060A
	TOC Result 4	5.4	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	5.1	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-1D

Lab Sample ID: 240-70070-7

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 16:35

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	370	20	1.6	mg/L			20	9060A
	TOC Result 2	380	20	1.6	mg/L			20	9060A
	TOC Result 3	380	20	1.6	mg/L			20	9060A
	TOC Result 4	380	20	1.6	mg/L			20	9060A
7440-44-0	Total Organic Carbon	380	20	1.6	mg/L			20	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

PMW-1D

Client Sample ID: PMW-51D

Lab Sample ID: 240-70070-6

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 09:00

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	370	20	1.6	mg/L			20	9060A
	TOC Result 2	380	20	1.6	mg/L			20	9060A
	TOC Result 3	370	20	1.6	mg/L			20	9060A
	TOC Result 4	370	20	1.6	mg/L			20	9060A
7440-44-0	Total Organic Carbon	370	20	1.6	mg/L			20	9060A

Anal
11/1/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-1S

Lab Sample ID: 240-70070-2

Lab Name: TestAmerica Canton

Job No.: 240-70070-1

SDG ID.:

Matrix: Water

Date Sampled: 09/26/2016 10:00

Reporting Basis: WET

Date Received: 09/28/2016 09:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	8.5	2.0	0.16	mg/L			2	9060A
	TOC Result 2	9.3	2.0	0.16	mg/L			2	9060A
	TOC Result 3	8.6	2.0	0.16	mg/L			2	9060A
	TOC Result 4	9.3	2.0	0.16	mg/L			2	9060A
7440-44-0	Total Organic Carbon	8.9	2.0	0.16	mg/L			2	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-2D

Lab Sample ID: 240-70306-5

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 14:05

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	460	20	1.6	mg/L		~~B~~	20	9060A
7440-44-0	Total Organic Carbon	470	20	1.6	mg/L		~~B~~	20	9060A

OK
11/7/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-3S

Lab Sample ID: 240-70306-2

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 11:30

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	11	2.0	0.16	mg/L		~~B~~	2	9060A
7440-44-0	Total Organic Carbon	11	2.0	0.16	mg/L		~~B~~	2	9060A

OK
11/7/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-8D

Lab Sample ID: 240-70280-7

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 13:55

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	130	4.0	0.32	mg/L			4	9060A
	TOC Result 1	120	4.0	0.32	mg/L			4	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-6D

Lab Sample ID: 240-70214-5

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 12:40

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	490	20	1.6	mg/L			20	9060A
7440-44-0	Total Organic Carbon	500	20	1.6	mg/L			20	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-9D

Lab Sample ID: 240-70280-10

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 16:00

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	310	20	1.6	mg/L			20	9060A
	TOC Result 1	300	20	1.6	mg/L			20	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-10D

Lab Sample ID: 240-70280-4

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/29/2016 12:25

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	520	20	1.6	mg/L		~~B~~	20	9060A
	TOC Result 1	520	20	1.6	mg/L		~~B~~	20	9060A

OK
11/4/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

PMW-100

Client Sample ID: PMW-60D

Lab Sample ID: 240-70280-5

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 09:00

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	520	20	1.6	mg/L		~~B~~	20	9060A
	TOC Result 1	510	20	1.6	mg/L		~~B~~	20	9060A

OK
11/4/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-11D

Lab Sample ID: 240-70214-6

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 14:05

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	3.9	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	4.1	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-16D

Lab Sample ID: 240-70306-4

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2016 12:45

Reporting Basis: WET

Date Received: 10/04/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	50	1.0	0.080	mg/L		~~B~~	1	9060A
7440-44-0	Total Organic Carbon	51	1.0	0.080	mg/L		~~B~~	1	9060A

OK
11/7/16

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: PMW-17D

Lab Sample ID: 240-70214-3

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 12:15

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	65	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	66	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RMW-3D

Lab Sample ID: 240-70214-1

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG ID.:

Matrix: Water

Date Sampled: 09/28/2016 09:55

Reporting Basis: WET

Date Received: 09/30/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	TOC Result 1	2.4	1.0	0.080	mg/L			1	9060A
7440-44-0	Total Organic Carbon	2.5	1.0	0.080	mg/L			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RMW-4D

Lab Sample ID: 240-70280-9

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG ID.:

Matrix: Water

Date Sampled: 09/29/2016 15:50

Reporting Basis: WET

Date Received: 10/01/2016 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	150	10	0.80	mg/L			10	9060A
	TOC Result 1	150	10	0.80	mg/L			10	9060A

ATTACHMENT B

SUPPORT DOCUMENTATION

Lab No	Sample Description	Date	Time	Matrix	No. Containers / Preservative	Requested Analyses	Report Type & QC Level
950	OR-65M	9-26-16	1230	Soil / Solid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒
951	PMW-45	9-26-16	1530	Water / Liquid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒
952	OR-185M	9-26-16	1305	Water / Liquid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒
953	OR-145M	9-26-16	1200	Water / Liquid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒
954	PMW-51D	9-26-16	0900	Water / Liquid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒
955	PMW-41D	9-26-16	1635	Water / Liquid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒
956	TB-092016	9-26-16	-	Water / Liquid	4	☒ Total Organic Carbon (5310C) ☒ Dissolved Iron & Potassium 6010B ☒ Methane, Ethane, Ethene ☒ VOCs (SW8260B)	Standard Full Data Package ☒

Lab No 950 of 952

BM Phone: _____

BM Email: _____

Test America (Canton, OH)

4101 Shuffel Street NW, North Canton, OH 44720

Lab Contact: Deborah Dunn

330-497-9396 / 330-497-0772

BP/ARC Facility Address

6600 Walmore Rd.

Wheatfield, NY 14304

NYSDEC

California Global ID No

Entos Proposal No

Accounting Mode

Provision

OOB BU

OOB RM

BP/ARC Contractor

AECOM

60481767.16.03

257 West Genesee St., Suite 400 Buffalo, NY 14202

James Kaczor

716-923-1300

James.Kaczor@aecom.com

BP/ARC

Contractor

X

Special Instructions: TA Buffalo to ship to TA Canton, 10/1/16

THIS LINE - LAB USE ONLY

Custody Seals In Place Yes / No

Temp Blank Yes / No

Conter Temp on Receipt

F/C

Trp Blank Yes / No

MS/MSD Sample Submitted Yes / No

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP IPO Ekonol Polyester Resins

Report Number: 240-70070-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 9/28/2016 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples OR-6SM (240-70070-1), PMW-1S (240-70070-2), MW-4S (240-70070-3), OR-18SM (240-70070-4), OR-14SM (240-70070-5), PMW-51D (240-70070-6), PMW-1D (240-70070-7) and TB-092616 (240-70070-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 10/07/2016.

Samples OR-6SM (240-70070-1)[16.67X], PMW-1S (240-70070-2)[16.67X], MW-4S (240-70070-3)[2.5X], PMW-51D (240-70070-6)[6.25X] and PMW-1D (240-70070-7)[6.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The pH of samples OR-6SM (240-70070-1), PMW-1S (240-70070-2), MW-4S (240-70070-3) and OR-18SM (240-70070-4) was greater than 2. The samples were analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

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

DISSOLVED GASES

Samples OR-6SM (240-70070-1), PMW-1S (240-70070-2), MW-4S (240-70070-3), OR-18SM (240-70070-4), OR-14SM (240-70070-5), PMW-51D (240-70070-6), PMW-1D (240-70070-7) and TB-092616 (240-70070-8) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 10/07/2016, 10/09/2016 and 10/11/2016.

Ethane failed the recovery criteria low for the MS of sample OR-18SMMS (240-70070-4) in batch 240-250876.

Samples OR-6SM (240-70070-1)[2X], PMW-1S (240-70070-2)[5X], OR-18SM (240-70070-4)[5X], OR-14SM (240-70070-5)[5X], PMW-51D (240-70070-6)[5X] and PMW-1D (240-70070-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Sample OR-6SM (240-70070-1) was collected in properly preserved vials; however, the pH was outside the required criteria when verified by the laboratory. Corrective action was not possible.

Reanalysis of sample OR-18SM (240-70070-4) was performed outside of the analytical holding time due to multiple runs for dilutions and QC failure. Both sets of data have been reported.

Methane for sample OR-18SM (240-70070-4) was over calibration range. Data has been reported as secondary due to reanalysis outside of analytical holding time:

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

DISSOLVED METALS (ICP)

Samples OR-6SM (240-70070-1), PMW-1S (240-70070-2), MW-4S (240-70070-3), OR-18SM (240-70070-4), OR-14SM (240-70070-5), PMW-51D (240-70070-6) and PMW-1D (240-70070-7) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 09/29/2016 and analyzed on 09/30/2016.

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

TOTAL ORGANIC CARBON

Samples OR-6SM (240-70070-1), PMW-1S (240-70070-2), MW-4S (240-70070-3), OR-18SM (240-70070-4), OR-14SM (240-70070-5), PMW-51D (240-70070-6) and PMW-1D (240-70070-7) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 09/30/2016 and 10/01/2016.

Samples PMW-1S (240-70070-2)[2X], PMW-51D (240-70070-6)[20X] and PMW-1D (240-70070-7)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

GC/MS VOA Worksheet

Batch Number: 240-250329
Method: 8260C
Analyst: Evans, Laura

Date Open: Oct 07 2016 9:29AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	VM50IS_00058	vm50ss_stk_00069
BFB-240-250329/1		8260C			5 mL		A3UX11		
CCVIS-240-250329/2		8260C			5 mL		A3UX11	1 uL	1.1958 uL
CCV-240-250329/3		8260C			5 mL		A3UX11	1 uL	
LCS-240-250329/4		8260C			5 mL		A3UX11	1 uL	1.1958 uL
MRL-240-250329/5					5 mL		A3UX11	1 uL	1.1958 uL
CCV-240-250329/6		8260C			5 mL		A3UX11	1 uL	
MB-240-250329/7		8260C			5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-1	OR-6SM	8260C	T	6 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-2	PMW-1S	8260C	T	6 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-3	MW-4S	8260C	T	6 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-4	OR-18SM	8260C	T	5 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-5	OR-14SM	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-6	PMW-51D	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-B-7	PMW-1D	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70070-A-8	TB-092616	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70128-B-1	SW2016-SW-1	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70128-B-2	SW2016-SW-2	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70128-B-3	SW2016-SW-2-2	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70128-E-3-MS		8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70128-H-3-MS		8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
D									
240-70128-B-5	SW2016-TB-1	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70149-B-1	TB-092716	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70149-B-2	MW-15D	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70149-B-4	MW-19D	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL
240-70149-B-5	MW-20D	8260C	T	<2 SU	5 mL		A3UX11	1 uL	1.1958 uL

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: BP IPO Req Due Date (mm/dd/yy): Rush TAT: Yes No ☒
BP/ARC Facility No: Ekono Polyester Resins Site Lab Work Order Number:

Lab Name	Test America (Canton, OH)		BP/ARC Facility Address	6600 Walmore Rd.		Consultant/Contractor	AECOM	
Lab Address	4101 Shuffel Street NW, North Canton, OH 44720		City, State, ZIP Code	Wheatfield, NY 14304		Consultant/Contractor Project No	60481767.16.03	
Lab PM	Lab Contact: Deborah Dunn		Lead Regulatory Agency	NYSDEC		Address	257 West Genesee St., Suite 400 Buffalo, NY 14202	
Lab Phone	330-497-9396 / 330-497-0772		California Global ID No			Consultant/Contractor PM	James Kaczor	
Lab Shipping Agent			Enlist Proposal No			Phone	716-923-1300	
Lab Bottle Order No.			Accounting Monte	Provision		Email EDD To	James.Kaczor@aecom.com	
Other Info			Stage	Activity		Invoice To	BP/ARC Contractor ☒	

Sample Description	Date	Time	Matrix			No. Containers / Preservative					Requested Analyses				Report Type & QC Level	
			Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	HNO3	HC	NaOH-Zn-acetate	H3PO4	VOCs (SW8260B)	Methane, Ethane, Ethene	Disolved Iron & Potassium	Total Organic Carbon (5310C)	Standard
TR-092316	9-27-16	—	X			4										 240 70149 Chain of Custody and must only be printed on sample destruction
mw-15D	9-27-16	9:40	X			9		1	6		X	X	X		(Exonol Fall Sampling Set)	
mw-13D	9-27-16	10:45	X			9		1	6		X	X	X		(Iron Potassium field Interid)	
mw-19D	9-27-16	11:05	X			9		1	6		X	X	X		100% MSO for vac/100	
mw-36D	9-27-16	12:45	X			6					X				100% MSO only	
mw-21D	9-27-16	13:55	X			6					X				100% MSO only	
mw-17D	9-27-16	14:25	X			6					X				100% MSO only	
mw-4S	9-27-16	14:50	X			11		3	6		X	X	X		100% MSO for vac/100	
mw-11D	9-27-16	15:40	X			6					X				100% MSO only	
mw-11S	9-27-16	16:25	X			6					X	X	X		100% MSO only	

Sample's Name	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sample's Company	AECOM	9/27/16	17:30	James Kaczor	9/27/16	17:30
Sampling Method	Drill off at TA Buffalo NY			James Kaczor	9/27/16	17:30
Shipment Tracking No.						

Special Instructions: TA Buffalo to ship to TA Canton

THIS LINE LAB USE ONLY: Custody Seals in Place Yes/No Temp Blank Yes/No Cooler Temp on Receipt F/C MSMSD Sample Submitted Yes/No

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP IPO Ekonol Polyester Resins

Report Number: 240-70149-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 9/29/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TB-092716 (240-70149-1), MW-15D (240-70149-2), MW-13D (240-70149-3), MW-19D (240-70149-4), MW-20D (240-70149-5), MW-21D (240-70149-6), MW-17D (240-70149-7), PMW-4S (240-70149-8), MW-11D (240-70149-9), MW-11S (240-70149-10) and PMW-6S (240-70149-11) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 10/07/2016 and 10/10/2016.

The pH of sample PMW-6S (240-70149-11) was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

Samples MW-15D (240-70149-2)[33.33X], MW-13D (240-70149-3)[20X], MW-20D (240-70149-5)[50X], MW-21D (240-70149-6)[25X], PMW-4S (240-70149-8)[6.67X], MW-11D (240-70149-9)[2X], MW-11S (240-70149-10)[12.5X] and PMW-6S (240-70149-11)[66.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

cis-1,2-Dichloroethene and Naphthalene failed the recovery criteria high for the MSD of sample MW-13DMSD (240-70149-3) in batch 240-250595.

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

DISSOLVED GASES

Samples TB-092716 (240-70149-1), MW-15D (240-70149-2), MW-13D (240-70149-3), MW-19D (240-70149-4), MW-20D (240-70149-5), MW-21D (240-70149-6), MW-17D (240-70149-7), PMW-4S (240-70149-8), MW-11D (240-70149-9), MW-11S (240-70149-10) and PMW-6S (240-70149-11) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 10/10/2016 and 10/11/2016.

Samples PMW-4S (240-70149-8)[2X] and PMW-6S (240-70149-11)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Sample PMW-6S (240-70149-11) was collected in properly preserved vials; however, the pH was outside the required criteria when verified by the laboratory. Corrective action was not possible.

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

DISSOLVED METALS (ICP)

Samples MW-15D (240-70149-2), MW-13D (240-70149-3), MW-19D (240-70149-4), PMW-4S (240-70149-8) and PMW-6S (240-70149-11) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 09/30/2016 and analyzed on 10/05/2016.

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

TOTAL ORGANIC CARBON

Samples MW-15D (240-70149-2), MW-13D (240-70149-3), MW-19D (240-70149-4), PMW-4S (240-70149-8) and PMW-6S (240-70149-11) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 10/05/2016.

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

[illegible]

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP IPO Ekonol Polyester Resins

Report Number: 240-70214-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 9/30/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples RMW-3D (240-70214-1), OR-10SM (240-70214-2), PMW-17D (240-70214-3), MW-12S (240-70214-4), PMW-6D (240-70214-5), PMW-11D (240-70214-6), OR-4SM (240-70214-7), MW-9S (240-70214-8) and TB-092816 (240-70214-9) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 10/10/2016, 10/11/2016 and 10/12/2016.

Samples RMW-3D (240-70214-1)[1250X], OR-10SM (240-70214-2)[50X], PMW-17D (240-70214-3)[1000X], MW-12S (240-70214-4)[100X], PMW-6D (240-70214-5)[250X] and PMW-11D (240-70214-6)[833.33X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The pH of samples PMW-6D (240-70214-5) and OR-4SM (240-70214-7) was greater than 2. The samples were analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

The continuing calibration verification (CCV) for analytical batch 251017 exceeded control criteria for multiple compounds. Sample PMW-11D (240-70214-6) associated with this CCV was non-detect for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore, the data has been reported. No further corrective action was required:

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

DISSOLVED GASES

Samples RMW-3D (240-70214-1), OR-10SM (240-70214-2), PMW-17D (240-70214-3), MW-12S (240-70214-4), PMW-6D (240-70214-5), PMW-11D (240-70214-6), OR-4SM (240-70214-7), MW-9S (240-70214-8) and TB-092816 (240-70214-9) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 10/12/2016 and 10/16/2016.

Samples PMW-6D (240-70214-5) and OR-4SM (240-70214-7) were collected in properly preserved vials; however, the pH was outside the required criteria when verified by the laboratory and corrective action was not possible:

Samples OR-10SM (240-70214-2)[5X], MW-12S (240-70214-4)[2X], PMW-6D (240-70214-5)[10X] and OR-4SM (240-70214-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Reanalysis of samples OR-4SM (240-70214-7), MW-9S (240-70214-8), and TB-092816 (240-70214-9) was performed outside of the analytical holding time due to instrument issues. Both sets of data have been reported.

Ethane and Ethene exceeded the RPD limit for the MSD of sample OR-10SMMSD (240-70214-2) in batch 240-251125. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

The CCV associated with samples OR-4SM (240-70214-7), MW-9S (240-70214-8) and TB-092816 (240-70214-9) failed low for all compounds. Data reported as secondary due to re-analysis outside of hold time.

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

DISSOLVED METALS (ICP)

Samples RMW-3D (240-70214-1), OR-10SM (240-70214-2), PMW-17D (240-70214-3), PMW-6D (240-70214-5), PMW-11D (240-70214-6), OR-4SM (240-70214-7) and MW-9S (240-70214-8) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/03/2016 and analyzed on 10/05/2016.

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

TOTAL ORGANIC CARBON

Samples RMW-3D (240-70214-1), OR-10SM (240-70214-2), PMW-17D (240-70214-3), PMW-6D (240-70214-5), PMW-11D (240-70214-6), OR-4SM (240-70214-7) and MW-9S (240-70214-8) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 10/05/2016.

Sample PMW-6D (240-70214-5)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG No.: _____

Lab File ID: BFB61012.D

BFB Injection Date: 10/12/2016

Instrument ID: A3UX11

BFB Injection Time: 09:18

Analysis Batch No.: 251017

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.5	
75	30.0 - 60.0 % of mass 95	53.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	85.2	
175	5.0 - 9.0 % of mass 174	6.7	(7.9) 1
176	95.0 - 101.0 % of mass 174	86.0	(100.9) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-251017/2	UXJ7853.D	10/12/2016	10:56
	LCS 240-251017/4	UXJ7854.D	10/12/2016	11:19
	CCV 240-251017/3	UXJ7855.D	10/12/2016	11:41
	CCV 240-251017/6	UXJ7856.D	10/12/2016	12:04
	MB 240-251017/7	UXJ7858.D	10/12/2016	12:49
PMW-11D	240-70214-6	UXJ7859.D	10/12/2016	13:11

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-70214-1

SDG No.: _____

Lab Sample ID: CCVIS 240-251017/2

Calibration Date: 10/12/2016 10:56

Instrument ID: A3UX11

Calib Start Date: 08/17/2016 08:02

GC Column: DB-624

ID: 0.18 (mm)

Calib End Date: 08/17/2016 09:55

Lab File ID: UXJ7853.D

Conc. Units: ng/uL

Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1874	0.1675	0.1000	0.00894	0.0100	-10.6	20.0
Chloromethane	Ave	0.2511	0.2288	0.1000	0.00911	0.0100	-8.9	20.0
Vinyl chloride	Ave	0.2558	0.2205	0.1000	0.00862	0.0100	-13.8	20.0
Butadiene	Ave	0.2594	0.2256		0.00870	0.0100	-13.0	20.0
Bromomethane	Ave	0.0999	0.0683	0.0500	0.00683	0.0100	-31.7*	20.0
Chloroethane	Ave	0.1092	0.0834	0.0500	0.00764	0.0100	-23.6*	20.0
Dichlorofluoromethane	Ave	0.2410	0.2218		0.00920	0.0100	-8.0	20.0
Trichlorofluoromethane	Ave	0.2362	0.2588	0.1000	0.0110	0.0100	9.6	20.0
Ethyl ether	Ave	0.2314	0.2212		0.00956	0.0100	-4.4	20.0
Acrolein	Ave	0.0327	0.0242		0.0370	0.0500	-25.9	50.0
1,1-Dichloroethene	Ave	0.2365	0.2260	0.1000	0.00956	0.0100	-4.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1130	0.1211	0.0500	0.0107	0.0100	7.1	20.0
Acetone	Qua		0.0613	0.0100	0.0284	0.0200	42.2	50.0
Iodomethane	Ave	0.3123	0.3079		0.00986	0.0100	-1.4	20.0
Carbon disulfide	Ave	0.7657	0.7008	0.1000	0.00915	0.0100	-8.5	20.0
3-Chloro-1-propene	Ave	0.1866	0.1744		0.00934	0.0100	-6.6	20.0
Methyl acetate	Ave	0.1347	0.1437	0.1000	0.0533	0.0500	6.7	20.0
Methylene Chloride	Lin1		0.2493	0.1000	0.00942	0.0100	-5.8	50.0
2-Methyl-2-propanol	Ave	0.0101	0.0107		0.106	0.100	5.5	50.0
Acrylonitrile	Ave	0.0752	0.0744		0.0989	0.100	-1.1	20.0
Methyl tert-butyl ether	Ave	0.6713	0.6723	0.1000	0.0100	0.0100	0.1	20.0
trans-1,2-Dichloroethene	Ave	0.2888	0.2635	0.1000	0.00912	0.0100	-8.8	20.0
Hexane	Ave	0.0758	0.0684		0.00903	0.0100	-9.7	20.0
1,1-Dichloroethane	Ave	0.4831	0.4822	0.2000	0.00998	0.0100	-0.2	20.0
Vinyl acetate	Ave	0.4463	0.4013		0.00899	0.0100	-10.1	50.0
2-Butanone (MEK)	Ave	0.0749	0.0903	0.0100	0.0241	0.0200	20.6*	20.0
cis-1,2-Dichloroethene	Ave	0.2953	0.2769	0.1000	0.00938	0.0100	-6.2	20.0
2,2-Dichloropropane	Ave	0.2492	0.2790		0.0112	0.0100	12.0	20.0
Chlorobromomethane	Ave	0.1223	0.1257		0.0103	0.0100	2.7	20.0
Tetrahydrofuran	Ave	0.0509	0.0537		0.0211	0.0200	5.5	20.0
Chloroform	Ave	0.4276	0.4221	0.2000	0.00987	0.0100	-1.3	20.0
1,1,1-Trichloroethane	Ave	0.3117	0.3489	0.1000	0.0112	0.0100	11.9	20.0
Cyclohexane	Ave	0.3989	0.3968	0.1000	0.00995	0.0100	-0.5	20.0
1,1-Dichloropropene	Ave	0.3815	0.3789		0.00993	0.0100	-0.7	20.0
Carbon tetrachloride	Ave	0.2740	0.3184	0.1000	0.0116	0.0100	16.2	20.0
Isobutyl alcohol	Ave	0.0051	0.0059		0.289	0.250	15.4	20.0
1,2-Dichloroethane	Ave	0.3070	0.3438	0.1000	0.0112	0.0100	12.0	20.0
Benzene	Ave	1.183	1.075	0.5000	0.00909	0.0100	-9.1	20.0
n-Heptane	Ave	0.0689	0.0597		0.00866	0.0100	-13.4	20.0
Trichloroethene	Ave	0.2671	0.2689	0.1500	0.0101	0.0100	0.7	20.0

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Sample No.: CCVRT 240-251125/3 Date Analyzed: 10/12/2016 17:44
 Instrument ID: ZPID GC Column: HP-PLOT/Q ID: 0.53 (mm)
 Lab File ID (Standard): RSK0101203.D Heated Purge: (Y/N) N
 Calibration ID: 32579

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

					TFE		
					RT #		
CONTINUING CALIBRATION SURROGATE					3.34		
UPPER LIMIT					3.39		
LOWER LIMIT					3.29		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED		LAB FILE ID			
CCVRT 240-251125/3		10/12/2016	17:44	RSK0101203.D	3.34		
MB 240-251125/4		10/12/2016	18:01	RSK0101204.D	3.34		
LCS 240-251125/5		10/12/2016	18:19	RSK0101205.D	3.34		
240-70214-1	RMW-3D	10/12/2016	18:36	RSK0101206.D	3.34		
240-70214-2	OR-10SM	10/12/2016	18:53	RSK0101207.D	3.34		
240-70214-2 MS	OR-10SM MS	10/12/2016	19:10	RSK0101208.D	3.34		
240-70214-2 MSD	OR-10SM MSD	10/12/2016	19:27	RSK0101209.D	3.34		
240-70214-3	PMW-17D	10/12/2016	19:44	RSK0101210.D	3.34		
240-70214-4	MW-12S	10/12/2016	20:01	RSK0101211.D	3.34		
240-70214-5	PMW-6D	10/12/2016	20:18	RSK0101212.D	3.34		
240-70214-6	PMW-11D	10/12/2016	20:35	RSK0101213.D	3.34		
CCV 240-251125/14		10/12/2016	20:52	RSK0101214.D	3.34		
240-70214-7	OR-4SM	10/12/2016	21:09	RSK0101215.D	3.34		
240-70214-8	MW-9S	10/12/2016	21:27	RSK0101216.D	3.34		
240-70214-9	TB-092816	10/12/2016	21:44	RSK0101217.D	3.34		
CCV 240-251125/25		10/13/2016	00:00	RSK0101225.D	3.34		

TFE = 1,1,1-Trifluoroethane

TFE RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-70214-1
 SDG No.: _____
 Lab Sample ID: CCV 240-251125/25 Calibration Date: 10/13/2016 00:00
 Instrument ID: ZPID Calib Start Date: 01/18/2016 15:34
 GC Column: HP-PLOT/Q ID: 0.53(mm) Calib End Date: 01/18/2016 16:53
 Lab File ID: RSK0101225.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methane	Ave	16516	9553		115	199	-42.2*	30.0
Ethene	Ave	14879	8339		196	349	-44.0*	30.0
Acetylene	Ave	6280	3449		177	323	-45.1*	30.0
Ethane	Ave	15532	9100		219	374	-41.4*	30.0
Propane	Ave	15184	9447		341	548	-37.8*	30.0
1,1,1-Trifluoroethane	Ave	6303	6249		3030	3050	-0.9	30.0

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP IPO Ekonol Polyester Resins

Report Number: 240-70280-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 10/1/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TB-092916 (240-70280-1), MW-2S (240-70280-2), MW-10S (240-70280-3), PMW-10D (240-70280-4), PMW-60D (240-70280-5), INJ-11D (240-70280-6), PMW-8D (240-70280-7), INJ-13D (240-70280-8), RMW-4D (240-70280-9) and PMW-9D (240-70280-10) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 10/12/2016 and 10/13/2016.

Samples MW-2S (240-70280-2)[5000X], MW-10S (240-70280-3)[20X], PMW-10D (240-70280-4)[500X], PMW-60D (240-70280-5)[500X], INJ-11D (240-70280-6)[5000X], PMW-8D (240-70280-7)[2000X], INJ-13D (240-70280-8)[500X], RMW-4D (240-70280-9)[500X] and PMW-9D (240-70280-10)[1000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

cis-1,2-Dichloroethene failed the recovery criteria low for the MS/MSD of sample MW-10SMS/MSD (240-70280-3) in batch 240-251017.

cis-1,2-Dichloroethene failed the recovery criteria high for the MS of sample PMW-60DMS (240-70280-5) in batch 240-251181.

The continuing calibration verification (CCV) for analytical batch 251017 exceeded control criteria for multiple compounds. Samples TB-092916 (240-70280-1), MW-2S (240-70280-2), MW-10S (240-70280-3), PMW-10D (240-70280-4) and INJ-11D (240-70280-6) associated with this CCV were non-detect for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore, the data has been reported. No further corrective action was required.

The pH of sample PMW-8D (240-70280-7) was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

The continuing calibration verification (CCV) associated with batch 240-251181 recovered above the upper control limit for Tetrachloroethene and 1,1,1-Trichloroethane. Samples PMW-60D (240-70280-5), PMW-8D (240-70280-7), INJ-13D (240-70280-8), RMW-4D (240-70280-9), PMW-9D (240-70280-10), (240-70280-B-5 MS) and (240-70280-B-5 MSD) associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

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

DISSOLVED GASES

Samples TB-092916 (240-70280-1), MW-2S (240-70280-2), MW-10S (240-70280-3), PMW-10D (240-70280-4), PMW-60D (240-70280-5), INJ-11D (240-70280-6), PMW-8D (240-70280-7), INJ-13D (240-70280-8), RMW-4D (240-70280-9) and PMW-9D (240-70280-10) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 10/16/2016.

Samples PMW-10D (240-70280-4)[5X], PMW-60D (240-70280-5)[5X], INJ-11D (240-70280-6)[10X], PMW-8D (240-70280-7)[2X], INJ-13D (240-70280-8)[10X], RMW-4D (240-70280-9)[5X] and PMW-9D (240-70280-10)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Reanalysis of samples TB-092916 (240-70280-1), MW-2S (240-70280-2), MW-10S (240-70280-3), MW-10S (240-70280-3[MS]), MW-10S (240-70280-3[MSD]), PMW-10D (240-70280-4), PMW-60D (240-70280-5), INJ-11D (240-70280-6), PMW-8D (240-70280-7), INJ-13D (240-70280-8), RMW-4D (240-70280-9) and PMW-9D (240-70280-10) was performed outside of the analytical holding time due to instrument issues passing CCVs and calibrations. Samples were analyzed within hold but the ICAL failed criteria. Only one set of data reported outside of hold time:

Ethane and Ethene exceeded the RPD limit for the MSD of sample MW-10SMSD (240-70280-3) in batch 240-251603. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

DISSOLVED METALS (ICP)

Samples MW-2S (240-70280-2), PMW-10D (240-70280-4), PMW-60D (240-70280-5), INJ-11D (240-70280-6), PMW-8D (240-70280-7), INJ-13D (240-70280-8), RMW-4D (240-70280-9) and PMW-9D (240-70280-10) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/04/2016 and analyzed on 10/05/2016.

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

TOTAL ORGANIC CARBON

Samples MW-2S (240-70280-2), PMW-10D (240-70280-4), PMW-60D (240-70280-5), INJ-11D (240-70280-6), PMW-8D (240-70280-7), INJ-13D (240-70280-8), RMW-4D (240-70280-9) and PMW-9D (240-70280-10) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 10/06/2016 and 10/07/2016.

Samples PMW-10D (240-70280-4)[20X], PMW-60D (240-70280-5)[20X], INJ-11D (240-70280-6)[4X], PMW-8D (240-70280-7)[4X], INJ-13D (240-70280-8)[2X], RMW-4D (240-70280-9)[10X] and PMW-9D (240-70280-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Total Organic Carbon was detected in method blank MB 240-250493/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG No.: _____

Lab Sample ID: CCVIS 240-251017/2

Calibration Date: 10/12/2016 10:56

Instrument ID: A3UX11

Calib Start Date: 08/17/2016 08:02

GC Column: DB-624

ID: 0.18 (mm)

Calib End Date: 08/17/2016 09:55

Lab File ID: UXJ7853.D

Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1874	0.1675	0.1000	0.00894	0.0100	-10.6	20.0
Chloromethane	Ave	0.2511	0.2288	0.1000	0.00911	0.0100	-8.9	20.0
Vinyl chloride	Ave	0.2558	0.2205	0.1000	0.00862	0.0100	-13.8	20.0
Butadiene	Ave	0.2594	0.2256		0.00870	0.0100	-13.0	20.0
Bromomethane	Ave	0.0999	0.0683	0.0500	0.00683	0.0100	-31.7*	20.0
Chloroethane	Ave	0.1092	0.0834	0.0500	0.00764	0.0100	-23.6*	20.0
Dichlorofluoromethane	Ave	0.2410	0.2218		0.00920	0.0100	-8.0	20.0
Trichlorofluoromethane	Ave	0.2362	0.2588	0.1000	0.0110	0.0100	9.6	20.0
Ethyl ether	Ave	0.2314	0.2212		0.00956	0.0100	-4.4	20.0
Acrolein	Ave	0.0327	0.0242		0.0370	0.0500	-25.9	50.0
1,1-Dichloroethene	Ave	0.2365	0.2260	0.1000	0.00956	0.0100	-4.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1130	0.1211	0.0500	0.0107	0.0100	7.1	20.0
Acetone	Qua		0.0613	0.0100	0.0284	0.0200	42.2	50.0
Iodomethane	Ave	0.3123	0.3079		0.00986	0.0100	-1.4	20.0
Carbon disulfide	Ave	0.7657	0.7008	0.1000	0.00915	0.0100	-8.5	20.0
3-Chloro-1-propene	Ave	0.1866	0.1744		0.00934	0.0100	-6.6	20.0
Methyl acetate	Ave	0.1347	0.1437	0.1000	0.0533	0.0500	6.7	20.0
Methylene Chloride	Lin1		0.2493	0.1000	0.00942	0.0100	-5.8	50.0
2-Methyl-2-propanol	Ave	0.0101	0.0107		0.106	0.100	5.5	50.0
Acrylonitrile	Ave	0.0752	0.0744		0.0989	0.100	-1.1	20.0
Methyl tert-butyl ether	Ave	0.6713	0.6723	0.1000	0.0100	0.0100	0.1	20.0
trans-1,2-Dichloroethene	Ave	0.2888	0.2635	0.1000	0.00912	0.0100	-8.8	20.0
Hexane	Ave	0.0758	0.0684		0.00903	0.0100	-9.7	20.0
1,1-Dichloroethane	Ave	0.4831	0.4822	0.2000	0.00998	0.0100	-0.2	20.0
Vinyl acetate	Ave	0.4463	0.4013		0.00899	0.0100	-10.1	50.0
2-Butanone (MEK)	Ave	0.0749	0.0903	0.0100	0.0241	0.0200	20.6*	20.0
cis-1,2-Dichloroethene	Ave	0.2953	0.2769	0.1000	0.00938	0.0100	-6.2	20.0
2,2-Dichloropropane	Ave	0.2492	0.2790		0.0112	0.0100	12.0	20.0
Chlorobromomethane	Ave	0.1223	0.1257		0.0103	0.0100	2.7	20.0
Tetrahydrofuran	Ave	0.0509	0.0537		0.0211	0.0200	5.5	20.0
Chloroform	Ave	0.4276	0.4221	0.2000	0.00987	0.0100	-1.3	20.0
1,1,1-Trichloroethane	Ave	0.3117	0.3489	0.1000	0.0112	0.0100	11.9	20.0
Cyclohexane	Ave	0.3989	0.3968	0.1000	0.00995	0.0100	-0.5	20.0
1,1-Dichloropropene	Ave	0.3815	0.3789		0.00993	0.0100	-0.7	20.0
Carbon tetrachloride	Ave	0.2740	0.3184	0.1000	0.0116	0.0100	16.2	20.0
Isobutyl alcohol	Ave	0.0051	0.0059		0.289	0.250	15.4	20.0
1,2-Dichloroethane	Ave	0.3070	0.3438	0.1000	0.0112	0.0100	12.0	20.0
Benzene	Ave	1.183	1.075	0.5000	0.00909	0.0100	-9.1	20.0
n-Heptane	Ave	0.0689	0.0597		0.00866	0.0100	-13.4	20.0
Trichloroethene	Ave	0.2671	0.2689	0.1500	0.0101	0.0100	0.7	20.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG No.: _____

Lab File ID: BFB61012.D

BFB Injection Date: 10/12/2016

Instrument ID: A3UX11

BFB Injection Time: 09:18

Analysis Batch No.: 251017

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.5
75	30.0 - 60.0 % of mass 95	53.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	85.2
175	5.0 - 9.0 % of mass 174	6.7 (7.9) 1
176	95.0 - 101.0 % of mass 174	86.0 (100.9) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-251017/2	UXJ7853.D	10/12/2016	10:56
	LCS 240-251017/4	UXJ7854.D	10/12/2016	11:19
	CCV 240-251017/3	UXJ7855.D	10/12/2016	11:41
	CCV 240-251017/6	UXJ7856.D	10/12/2016	12:04
	MB 240-251017/7	UXJ7858.D	10/12/2016	12:49
TB-092916	240-70280-1	UXJ7868.D	10/12/2016	16:39
MW-2S	240-70280-2	UXJ7869.D	10/12/2016	17:02
MW-10S	240-70280-3	UXJ7870.D	10/12/2016	17:25
MW-10S MS	240-70280-3 MS	UXJ7871.D	10/12/2016	17:47
MW-10S MSD	240-70280-3 MSD	UXJ7872.D	10/12/2016	18:09
PMW-10D	240-70280-4	UXJ7873.D	10/12/2016	18:31
INJ-11D	240-70280-6	UXJ7875.D	10/12/2016	19:16

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG No.: _____

Lab File ID: BFB61013.D

BFB Injection Date: 10/13/2016

Instrument ID: A3UX11

BFB Injection Time: 08:42

Analysis Batch No.: 251181

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.9
75	30.0 - 60.0 % of mass 95	49.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	83.0
175	5.0 - 9.0 % of mass 174	6.5 (7.8) 1
176	95.0 - 101.0 % of mass 174	80.8 (97.4) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-251181/2	UXJ7884.D	10/13/2016	09:14
	LCS 240-251181/4	UXJ7885.D	10/13/2016	09:36
	CCV 240-251181/3	UXJ7886.D	10/13/2016	09:59
	MB 240-251181/7	UXJ7888.D	10/13/2016	10:44
PMW-8D	240-70280-7	UXJ7890.D	10/13/2016	11:28
INJ-13D	240-70280-8	UXJ7891.D	10/13/2016	11:51
RMW-4D	240-70280-9	UXJ7892.D	10/13/2016	12:14
PMW-9D	240-70280-10	UXJ7893.D	10/13/2016	12:36
PMW-60D	240-70280-5	UXJ7896.D	10/13/2016	13:44
PMW-60D MS	240-70280-5 MS	UXJ7897.D	10/13/2016	14:06
PMW-60D MSD	240-70280-5 MSD	UXJ7898.D	10/13/2016	14:29

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG No.: _____

Lab Sample ID: CCVIS 240-251181/2

Calibration Date: 10/13/2016 09:14

Instrument ID: A3UX11

Calib Start Date: 08/17/2016 08:02

GC Column: DB-624

ID: 0.18 (mm)

Calib End Date: 08/17/2016 09:55

Lab File ID: UXJ7884.D

Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1874	0.1922	0.1000	0.0103	0.0100	2.6	20.0
Chloromethane	Ave	0.2511	0.2406	0.1000	0.00958	0.0100	-4.2	20.0
Vinyl chloride	Ave	0.2558	0.2483	0.1000	0.00971	0.0100	-2.9	20.0
Butadiene	Ave	0.2594	0.2322		0.00895	0.0100	-10.5	20.0
Bromomethane	Ave	0.0999	0.0781	0.0500	0.00781	0.0100	-21.9*	20.0
Chloroethane	Ave	0.1092	0.0951	0.0500	0.00871	0.0100	-12.9	20.0
Dichlorofluoromethane	Ave	0.2410	0.2511		0.0104	0.0100	4.2	20.0
Trichlorofluoromethane	Ave	0.2362	0.2647	0.1000	0.0112	0.0100	12.0	20.0
Ethyl ether	Ave	0.2314	0.2538		0.0110	0.0100	9.7	20.0
Acrolein	Ave	0.0327	0.0254		0.0389	0.0500	-22.1	50.0
1,1-Dichloroethene	Ave	0.2365	0.2419	0.1000	0.0102	0.0100	2.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1130	0.1429	0.0500	0.0126	0.0100	26.4*	20.0
Acetone	Qua		0.0802	0.0100	0.0398	0.0200	99.2*	50.0
Iodomethane	Ave	0.3123	0.3533		0.0113	0.0100	13.1	20.0
Carbon disulfide	Ave	0.7657	0.7620	0.1000	0.00995	0.0100	-0.5	20.0
3-Chloro-1-propene	Ave	0.1866	0.1986		0.0106	0.0100	6.4	20.0
Methyl acetate	Ave	0.1347	0.1590	0.1000	0.0590	0.0500	18.0	20.0
Methylene Chloride	Lin1		0.2668	0.1000	0.0101	0.0100	1.3	50.0
2-Methyl-2-propanol	Ave	0.0101	0.0138		0.136	0.100	36.1	50.0
Acrylonitrile	Ave	0.0752	0.0817		0.109	0.100	8.7	20.0
Methyl tert-butyl ether	Ave	0.6713	0.7502	0.1000	0.0112	0.0100	11.8	20.0
trans-1,2-Dichloroethene	Ave	0.2888	0.3127	0.1000	0.0108	0.0100	8.3	20.0
Hexane	Ave	0.0758	0.0824		0.0109	0.0100	8.8	20.0
1,1-Dichloroethane	Ave	0.4831	0.5311	0.2000	0.0110	0.0100	9.9	20.0
Vinyl acetate	Ave	0.4463	0.4374		0.00980	0.0100	-2.0	50.0
2-Butanone (MEK)	Ave	0.0749	0.0981	0.0100	0.0262	0.0200	31.0*	20.0
cis-1,2-Dichloroethene	Ave	0.2953	0.3370	0.1000	0.0114	0.0100	14.1	20.0
2,2-Dichloropropane	Ave	0.2492	0.2742		0.0110	0.0100	10.1	20.0
Chlorobromomethane	Ave	0.1223	0.1453		0.0119	0.0100	18.7	20.0
Tetrahydrofuran	Ave	0.0509	0.0604		0.0238	0.0200	18.8	20.0
Chloroform	Ave	0.4276	0.4958	0.2000	0.0116	0.0100	16.0	20.0
1,1,1-Trichloroethane	Ave	0.3117	0.3795	0.1000	0.0122	0.0100	21.8*	20.0
Cyclohexane	Ave	0.3989	0.4377	0.1000	0.0110	0.0100	9.7	20.0
1,1-Dichloropropene	Ave	0.3815	0.4320		0.0113	0.0100	13.2	20.0
Carbon tetrachloride	Ave	0.2740	0.3575	0.1000	0.0130	0.0100	30.5*	20.0
Isobutyl alcohol	Ave	0.0051	0.0068		0.331	0.250	32.3*	20.0
1,2-Dichloroethane	Ave	0.3070	0.3684	0.1000	0.0120	0.0100	20.0	20.0
Benzene	Ave	1.183	1.233	0.5000	0.0104	0.0100	4.2	20.0
n-Heptane	Ave	0.0689	0.0846		0.0123	0.0100	22.8*	20.0
Trichloroethene	Ave	0.2671	0.3161	0.1500	0.0118	0.0100	18.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-70280-1

SDG No.: _____

Lab Sample ID: CCVIS 240-251181/2

Calibration Date: 10/13/2016 09:14

Instrument ID: A3UX11

Calib Start Date: 08/17/2016 08:02

GC Column: DB-624

ID: 0.18 (mm)

Calib End Date: 08/17/2016 09:55

Lab File ID: UXJ7884.D

Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3865	0.4130	0.1000	0.0107	0.0100	6.9	20.0
1,2-Dichloropropane	Ave	0.2708	0.2878	0.1000	0.0106	0.0100	6.2	20.0
Dibromomethane	Ave	0.1389	0.1539		0.0111	0.0100	10.8	20.0
1,4-Dioxane	Qua		0.0024		0.300	0.200	49.9	50.0
Dichlorobromomethane	Ave	0.2996	0.3635	0.1500	0.0121	0.0100	21.3*	20.0
2-Chloroethyl vinyl ether	Ave	0.1603	0.1665		0.0208	0.0200	3.9	20.0
cis-1,3-Dichloropropene	Ave	0.4135	0.4436	0.1500	0.0107	0.0100	7.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1658	0.1901	0.0500	0.0229	0.0200	14.7	20.0
Toluene	Ave	1.720	1.862	0.4000	0.0108	0.0100	8.3	20.0
trans-1,3-Dichloropropene	Ave	0.5015	0.5606	0.1000	0.0112	0.0100	11.8	20.0
Ethyl methacrylate	Ave	0.4427	0.4681		0.0106	0.0100	5.7	20.0
1,1,2-Trichloroethane	Ave	0.3123	0.3285	0.1000	0.0105	0.0100	5.2	20.0
1,3-Dichloropropane	Ave	0.5858	0.6050		0.0103	0.0100	3.3	20.0
Tetrachloroethene	Ave	0.2543	0.3238	0.1500	0.0127	0.0100	27.3*	20.0
2-Hexanone	Ave	0.1630	0.2098	0.0500	0.0257	0.0200	28.7*	20.0
Chlorodibromomethane	Ave	0.2591	0.3390		0.0131	0.0100	30.8*	20.0
Ethylene Dibromide	Ave	0.2782	0.3001		0.0108	0.0100	7.9	20.0
Chlorobenzene	Ave	1.023	1.045	0.3000	0.0102	0.0100	2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3059	0.3528		0.0115	0.0100	15.3	20.0
Ethylbenzene	Ave	0.5348	0.5498		0.0103	0.0100	2.8	20.0
m-Xylene & p-Xylene	Ave	0.6479	0.6621		0.0102	0.0100	2.2	20.0
o-Xylene	Ave	0.6255	0.6275		0.0100	0.0100	0.3	20.0
Styrene	Ave	1.085	1.099	0.3000	0.0101	0.0100	1.3	20.0
Bromoform	Ave	0.1117	0.1698	0.1000	0.0152	0.0100	52.0*	20.0
Isopropylbenzene	Ave	1.404	1.425	0.1000	0.0101	0.0100	1.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8860	0.9652	0.3000	0.0109	0.0100	8.9	20.0
Bromobenzene	Ave	0.8875	1.071		0.0121	0.0100	20.7*	20.0
1,2,3-Trichloropropane	Ave	0.2598	0.3148		0.0121	0.0100	21.2*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1651	0.2208		0.0134	0.0100	33.7*	20.0
N-Propylbenzene	Ave	0.9223	1.093		0.0118	0.0100	18.5	20.0
2-Chlorotoluene	Ave	0.8442	0.9463		0.0112	0.0100	12.1	20.0
1,3,5-Trimethylbenzene	Ave	2.582	2.803		0.0109	0.0100	8.6	20.0
4-Chlorotoluene	Ave	0.8790	0.9825		0.0112	0.0100	11.8	20.0
tert-Butylbenzene	Ave	2.039	2.188		0.0107	0.0100	7.3	20.0
1,2,4-Trimethylbenzene	Ave	2.621	2.793		0.0107	0.0100	6.5	20.0
sec-Butylbenzene	Ave	2.880	2.877		0.00999	0.0100	-0.1	20.0
1,3-Dichlorobenzene	Ave	1.436	1.490	0.6000	0.0104	0.0100	3.8	20.0
4-Isopropyltoluene	Ave	2.311	2.382		0.0103	0.0100	3.1	20.0
1,4-Dichlorobenzene	Ave	1.466	1.508	0.5000	0.0103	0.0100	2.8	20.0
n-Butylbenzene	Ave	1.887	1.785		0.00946	0.0100	-5.4	20.0
1,2-Dichlorobenzene	Ave	1.257	1.341	0.4000	0.0107	0.0100	6.7	20.0

Laboratory Management Program LAMP Chain of Custody Record

BP/ARC Project Name: BP IPO Req Due Date (mm/dd/yy): Page of
BP/ARC Facility No: Lab Work Order Number: Rush TAT: Yes No X

ab Name:	Test America (Canton, OH)	BP/ARC Facility Address:	6600 Walmore Rd.	Consultant/Contractor:	AECOM
ab Address:	4101 Shuffel Street NW, North Canton, OH 44720	City, State, ZIP Code:	Wheatfield, NY 14304	Consultant/Contractor Project No:	60481767.16.03
ab PM:	Lab Contact: Deborah Dunn	Lead Regulatory Agency:	NYSDEC	Address:	257 West Genesee St., Suite 400 Buffalo, NY 14202
ab Phone:	330-497-9398 / 330-497-0772	California Global ID No.:		Consultant/Contractor PM:	James Kaczor
ab Shipping Acct:		Enfos Proposal No:		Phone:	716-923-1300
ab Bottle Order No:		Accounting Mode:	Provision OOC-BU OOC-RM	Email EDD To:	James.Kaczor@aecom.com
Other Info:		Stage:	Activity:	Invoice To:	BP/ARC Contractor <u>X</u>

Sample Description	Date	Time	Matrix					No. Containers / Preservative	Requested Analyses					Report Type & QC Level		
			Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved		HNO3	HCl	NaOH/Zn-acetate	H3PO4	H2SO4		VOCs (SW8260B)	Methane, Ethane, Ethene
TB-093016	9/30/16															
PMW-35	9/30/16	11:30								1	6					
INJ-70	9/30/16	10:45								1	6					
PMW-16D	9/30/16	12:45								1	6					
PMW-2D	9/30/16	14:05								2	6					
MW-7D	9/30/16	13:45								1	6					
RMW-2D	9/30/16	16:20								1	6					

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Get / AECOM	9/30/16	17:00	James Kaczor	9/30/16	17:00
James Kaczor	9/30/16	17:00	James Kaczor	9/30/16	17:00

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP IPO Ekonol Polyester Resins

Report Number: 240-70306-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 10/4/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TB-093016 (240-70306-1), PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 10/12/2016, 10/13/2016 and 10/14/2016.

The pH of sample RMW-2D (240-70306-7) was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation if samples are not preserved to a pH of 2.

Samples PMW-3S (240-70306-2)[142.86X], INJ-7D (240-70306-3)[25000X], PMW-16D (240-70306-4)[1666.67X], PMW-2D (240-70306-5)[250X], PMW-2D (240-70306-5)[500X], MW-7D (240-70306-6)[166.67X], MW-7D (240-70306-6)[2500X], RMW-2D (240-70306-7)[1250X] and RMW-2D (240-70306-7)[5000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) for analytical batch 251017 exceeded control criteria for multiple compounds. Sample TB-093016 (240-70306-1) associated with this CCV was non-detect for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore, the data has been reported. No further corrective action was required:

The continuing calibration verification (CCV) associated with batch 240-251181 recovered above the upper control limit for Tetrachloroethene and 1,1,1-Trichloroethane. Samples PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6), and RMW-2D (240-70306-7). The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

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

DISSOLVED GASES

Samples TB-093016 (240-70306-1), PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7) were analyzed for dissolved gases in accordance with RSK_175. The samples were analyzed on 10/14/2016 and 10/17/2016.

Samples PMW-3S (240-70306-2)[5X], INJ-7D (240-70306-3)[10X], PMW-2D (240-70306-5)[10X] and MW-7D (240-70306-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Reanalysis of samples PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7) was performed outside of the analytical holding time due to instrument issues. Samples were analyzed within hold time but have a failing ICAL or no closing CCV. Secondary data reported from batch with no closing CCV.

The laboratory control sample (LCS) associated with samples PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7) in analytical batch 240-251428 recovered outside control limits for Ethene, Ethane and Methane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. Data is reported as secondary due to reanalyzed outside of holding time.

There is no closing CCV available for samples TB-093016 (240-70306-1), PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7). Data has been qualified and reported:

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

DISSOLVED METALS (ICP)

Samples PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/05/2016 and analyzed on 10/06/2016.

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

TOTAL ORGANIC CARBON

Samples PMW-3S (240-70306-2), INJ-7D (240-70306-3), PMW-16D (240-70306-4), PMW-2D (240-70306-5), MW-7D (240-70306-6) and RMW-2D (240-70306-7) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 10/07/2016.

Samples PMW-3S (240-70306-2)[2X], INJ-7D (240-70306-3)[10X], PMW-2D (240-70306-5)[20X], MW-7D (240-70306-6)[10X] and RMW-2D (240-70306-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

TOC Result 1 and Total Organic Carbon were detected in method blank MB 240-250493/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

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

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG No.: _____

Lab File ID: BFB61012.D

BFB Injection Date: 10/12/2016

Instrument ID: A3UX11

BFB Injection Time: 09:18

Analysis Batch No.: 251017

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.5
75	30.0 - 60.0 % of mass 95	53.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	85.2
175	5.0 - 9.0 % of mass 174	6.7 (7.9) 1
176	95.0 - 101.0 % of mass 174	86.0 (100.9) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-251017/2	UXJ7853.D	10/12/2016	10:56
	LCS 240-251017/4	UXJ7854.D	10/12/2016	11:19
	CCV 240-251017/3	UXJ7855.D	10/12/2016	11:41
	CCV 240-251017/6	UXJ7856.D	10/12/2016	12:04
	MB 240-251017/7	UXJ7858.D	10/12/2016	12:49
TB-093016	240-70306-1	UXJ7880.D	10/12/2016	21:08

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG No.: _____

Lab Sample ID: CCVIS 240-251017/2

Calibration Date: 10/12/2016 10:56

Instrument ID: A3UX11

Calib Start Date: 08/17/2016 08:02

GC Column: DB-624

ID: 0.18 (mm)

Calib End Date: 08/17/2016 09:55

Lab File ID: UXJ7853.D

Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1874	0.1675	0.1000	0.00894	0.0100	-10.6	20.0
Chloromethane	Ave	0.2511	0.2288	0.1000	0.00911	0.0100	-8.9	20.0
Vinyl chloride	Ave	0.2558	0.2205	0.1000	0.00862	0.0100	-13.8	20.0
Butadiene	Ave	0.2594	0.2256		0.00870	0.0100	-13.0	20.0
Bromomethane	Ave	0.0999	0.0683	0.0500	0.00683	0.0100	-31.7*	20.0
Chloroethane	Ave	0.1092	0.0834	0.0500	0.00764	0.0100	-23.6*	20.0
Dichlorofluoromethane	Ave	0.2410	0.2218		0.00920	0.0100	-8.0	20.0
Trichlorofluoromethane	Ave	0.2362	0.2588	0.1000	0.0110	0.0100	9.6	20.0
Ethyl ether	Ave	0.2314	0.2212		0.00956	0.0100	-4.4	20.0
Acrolein	Ave	0.0327	0.0242		0.0370	0.0500	-25.9	50.0
1,1-Dichloroethene	Ave	0.2365	0.2260	0.1000	0.00956	0.0100	-4.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1130	0.1211	0.0500	0.0107	0.0100	7.1	20.0
Acetone	Qua		0.0613	0.0100	0.0284	0.0200	42.2	50.0
Iodomethane	Ave	0.3123	0.3079		0.00986	0.0100	-1.4	20.0
Carbon disulfide	Ave	0.7657	0.7008	0.1000	0.00915	0.0100	-8.5	20.0
3-Chloro-1-propene	Ave	0.1866	0.1744		0.00934	0.0100	-6.6	20.0
Methyl acetate	Ave	0.1347	0.1437	0.1000	0.0533	0.0500	6.7	20.0
Methylene Chloride	Lin1		0.2493	0.1000	0.00942	0.0100	-5.8	50.0
2-Methyl-2-propanol	Ave	0.0101	0.0107		0.106	0.100	5.5	50.0
Acrylonitrile	Ave	0.0752	0.0744		0.0989	0.100	-1.1	20.0
Methyl tert-butyl ether	Ave	0.6713	0.6723	0.1000	0.0100	0.0100	0.1	20.0
trans-1,2-Dichloroethene	Ave	0.2888	0.2635	0.1000	0.00912	0.0100	-8.8	20.0
Hexane	Ave	0.0758	0.0684		0.00903	0.0100	-9.7	20.0
1,1-Dichloroethane	Ave	0.4831	0.4822	0.2000	0.00998	0.0100	-0.2	20.0
Vinyl acetate	Ave	0.4463	0.4013		0.00899	0.0100	-10.1	50.0
2-Butanone (MEK)	Ave	0.0749	0.0903	0.0100	0.0241	0.0200	20.6*	20.0
cis-1,2-Dichloroethene	Ave	0.2953	0.2769	0.1000	0.00938	0.0100	-6.2	20.0
2,2-Dichloropropane	Ave	0.2492	0.2790		0.0112	0.0100	12.0	20.0
Chlorobromomethane	Ave	0.1223	0.1257		0.0103	0.0100	2.7	20.0
Tetrahydrofuran	Ave	0.0509	0.0537		0.0211	0.0200	5.5	20.0
Chloroform	Ave	0.4276	0.4221	0.2000	0.00987	0.0100	-1.3	20.0
1,1,1-Trichloroethane	Ave	0.3117	0.3489	0.1000	0.0112	0.0100	11.9	20.0
Cyclohexane	Ave	0.3989	0.3968	0.1000	0.00995	0.0100	-0.5	20.0
1,1-Dichloropropene	Ave	0.3815	0.3789		0.00993	0.0100	-0.7	20.0
Carbon tetrachloride	Ave	0.2740	0.3184	0.1000	0.0116	0.0100	16.2	20.0
Isobutyl alcohol	Ave	0.0051	0.0059		0.289	0.250	15.4	20.0
1,2-Dichloroethane	Ave	0.3070	0.3438	0.1000	0.0112	0.0100	12.0	20.0
Benzene	Ave	1.183	1.075	0.5000	0.00909	0.0100	-9.1	20.0
n-Heptane	Ave	0.0689	0.0597		0.00866	0.0100	-13.4	20.0
Trichloroethene	Ave	0.2671	0.2689	0.1500	0.0101	0.0100	0.7	20.0

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Lab Sample ID: MB 240-251428/21
 Matrix: Water Date Extracted: _____
 Lab File ID: (1) RSK0101421.D Lab File ID: (2) _____
 Date Analyzed: (1) 10/14/2016 22:18 Date Analyzed: (2) _____
 Instrument ID: (1) ZPID Instrument ID: (2) _____
 GC Column: (1) HP-PLOT/Q ID: 0.53 (mm) GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
TB-093016	240-70306-1	10/14/2016 20:02	
PMW-3S	240-70306-2	10/14/2016 20:19	
INJ-7D	240-70306-3	10/14/2016 20:36	
PMW-16D	240-70306-4	10/14/2016 20:53	
PMW-2D	240-70306-5	10/14/2016 21:10	
MW-7D	240-70306-6	10/14/2016 21:27	
RMW-2D	240-70306-7	10/14/2016 21:44	
	LCS 240-251428/22	10/14/2016 22:35	

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton

Job No.: 240-70306-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: RSK0101422.D

Lab ID: LCS 240-251428/22

Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methane	199	296	149	80-130	*
Ethane	374	638	171	76-131	*
Ethene	349	598	171	79-132	*

Column to be used to flag recovery and RPD values

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-70306-1
 SDG No.: _____
 Sample No.: STD3 240-251428/5 Date Analyzed: 10/14/2016 14:38
 Instrument ID: ZPID GC Column: HP-PLOT/Q ID: 0.53(mm)
 Lab File ID (Standard): RSK0101405.D Heated Purge: (Y/N) N
 Calibration ID: 36646

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFE		
				RT #		
INITIAL CALIBRATION SURROGATE				3.34		
UPPER LIMIT				3.39		
LOWER LIMIT				3.29		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD3 240-251428/5 ICRT		10/14/2016 14:38	RSK0101405.D	3.34		
ICV 240-251428/12		10/14/2016 19:45	RSK0101412.D	3.34		
240-70306-1	TB-093016	10/14/2016 20:02	RSK0101413.D	3.34		
240-70306-2	PMW-3S	10/14/2016 20:19	RSK0101414.D	3.34		
240-70306-3	INJ-7D	10/14/2016 20:36	RSK0101415.D	3.34		
240-70306-4	PMW-16D	10/14/2016 20:53	RSK0101416.D	3.34		
240-70306-5	PMW-2D	10/14/2016 21:10	RSK0101417.D	3.34		
240-70306-6	MW-7D	10/14/2016 21:27	RSK0101418.D	3.34		
240-70306-7	RMW-2D	10/14/2016 21:44	RSK0101419.D	3.34		
MB 240-251428/21		10/14/2016 22:18	RSK0101421.D	3.34		
LCS 240-251428/22		10/14/2016 22:35	RSK0101422.D	3.34		

TFE = 1,1,1-Trifluoroethane

TFE RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

Appendix D

Historical Analytical Data

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 1

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
1/15/2008	840 J	100000	23000	5.0 U	5.0 U	1600 J	7	17	78	5.0 U	5.0 U	5.0 U		6.46	1480							
7/24/2008	5000 UJ	2600 J	150000 J	380 J	5000 UJ	1600 J	9.2 J	52 J	100 J	5000 UJ	5000 UJ	5000 UJ		202 J	1150 J							
9/29/2008	5000 U	3300 J	110000	920 J	210 J	2900 J	6.5	16	100	5000 U	5000 U	5000 U		333	917							
12/15/2008	100 J	14000	120000 J	1100 J	220 J	3500	6.4	12	66	5.0 U	62 J	5.0 U		441	260							
6/4/2009	130 J	17000	110000	330 J	260 J	3600	9.2	140	250	1300 U	110 J	1300 U	0.376	515	311	102						
10/13/2009	110 J	19000	99000	300 J	260 J	3500	11	110	440	1000 U	72 J	1000 U	0.0394 J	365	991	247						
7/19/2010	500 U	9900	83000	170 J	120 J	3700	40	330	1000	500 U	500 U	500 U	4.72	545	130	169						
6/23/2011	600 J	90000	99000	180 J	290 J	3000	12	93	170	1000 U	1000 U	1000 U	0.0308 J	51	1390	117						
8/24/2011	390 J	44000	110000	240 J	220 J	2900	22	260	720	500 U	500 U	500 U	0.0878 J	239	270	272						
11/8/2011	660	54000	87000	130 J	200 J	3500	21	540	2800	110 J	500 U	500 U	0.127 J	139	464 J	190						
3/20/2012	470	29000	48000	88 J	110	3000	11	100	1800	87 J	37 J	100 U	0.2 U	32.4	1790 J	203						
6/27/2012	570	51000	34000	52 J	82 J	1100	13	76	1300	1000	83 J	250 U	0.04 J	25.6	261 J	148						
9/18/2012	450	32000	49000	80 J	120	5700	89	440	4300	290	58 J	100 U	0.0484 J	79.5	54.2	121						
12/10/2012	140 J	3600	100000	100 J	90 J	2800	28	310	1800	86 J	500 U	500 UJ	0.812	1640	498	170						
4/11/2013	84 J	5300	150000	220 J	110 J	3600	13	190	1700	500 U	140 J	500 U	1.32	1060	304	169						
7/16/2013	87 J	4100	120000	150 J	91 J	3900	18	370	1600	500 UJ	120 J	500 U	20.5	780	202	61.8						
10/14/2013	2500 U	3900	140000	2500 U	2500 U	4000	33	610	2100	2500 U	2500 U	2500 U	4.47	715	66.7	128						
12/9/2013	1300 U	3200	140000	1300 U	1300 U	4300	30	620	3000	1300 U	1300 U	1300 U	1.2	571	126	171						
4/9/2014	54 J	8800	160000	260	230	11000	24	1200	4800	100 U	89 J	100 U	2.92	440	25.8	87.1	6.23					
8/22/2014	100 U	7700	94000	210	160	19000	37	4600	9100	100 U	70 J	100 U	1.2	388	74.9	94.6	6.48					
12/10/2014	200 U	3500	89000	200 J	100 J	13000	30	5000	9400	200 U	200 U	200 U	0.357 J	337	86.7	113	6.34					
3/30/2015	30 J	4800	84000	210	150	14000	26	5200	10000	50 U	45 J	50 U	1.21	269	17	76	6.32					

J Indicates an estimated value
U Analyte was not detected above the reporting limit
UJ The analyte was not detected. The reporting limit is an approximate value
J- Indicates estimated value, biased low
J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 2

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/3/2009	2500 U	5300	75000	2500 U	2500 U	8400	13	630	4400	2500 U	2500 U	2500 U	0.595	297	62.7	97.8						
7/19/2010	250 U	250 U	78000	240 J	170 J	29000	24 U	340	6300	250 U	250 U	250 U	0.24	121	3.5 J	62.7						
8/31/2011	250 U	93 J	90000	110 J	170 J	19000	31	1300	400	250 U	250 U	250 U	11.4	194	2.5 J	0.68						
3/27/2012	5.9 J	190	4900	8.4 J	18 J	1500	6.5	140	350	25 U	25 U	25 U	1.84	92.5	3.1 J	93.1						
6/22/2012	100 U	38 J	14000	26 J	51 J	4200	18 J	360 J	1200	100 UJ	100 U	100 U	1.32 J	97.8	1.7 J	24.1						
9/25/2012	66	5700	13000	26 J	110	2100	20	220	1400	9.4 J	50 U	50 U	0.339	50.1	2.6 J	5.8						
12/13/2012	93 J	3600	54000	2700	430 J	8800	17	110	1500	95 J	230 J	500 U	425	1940	8.4	9.5						
4/12/2013	190 J	26000	200000	220 J	1000 U	2500	13	140	1400	1000 U	1000 U	1000 U	13.4	1170	270	135						
7/11/2013	500 U	6200	140000	230 J	180 J	2400	45	490	1200	500 UJ	500 U	500 U	241	1040	5 J	5.5						
10/17/2013	1000 U	270 J	190000	240 J	340 J	3800	86	690	1500	1000 U	1000 U	1000 U	338	962	5 U	0.36						
12/11/2013	95 J	8600	160000	240 J	310 J	5800	51	440	1000	500 U	500 U	500 U	22.4	690	42.2	58						
4/10/2014	100 U	930	65000	120	67 J	5100	29	620	2000	100 U	100 U	100 U	182	611	1.6 J	2.3	6.02					
8/20/2014	55	4400	44000	160	58	12000	63	3700	11000	50 U	37 J	50 U	2.53	258	18	60.2	6.55					
12/11/2014	200	20000	90000	220	110	11000	37	6300	12000	100 U	100 U	100 U	1.53	311	163	87.6	6.96					
4/2/2015	92	5100	24000	91	49 J	6600	34	4400	8700	50 U	50 U	50 U	118	396	4.4 J	2.8	6.44					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 4

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/3/2009	2500 U	14000	120000	2500 U	2500 U	1900	9.7	80	220	2500 U	2500 U	2500 U	0.509	637	56.7	158						
10/13/2009	240 J	20000	110000	290 J	290 J	3200	10	70	300	1000 U	120 J	1000 U	0.0381 J	454	506	221						
7/19/2010	150 J	17000	130000	260 J	170 J	6200	19	260	1400	500 U	120 J	500 U	0.442	469	73.3	155						
8/30/2011	870	74000	84000	130 J	200 J	1300	23	200	660	250 J	500 U	500 U	1.52	259	146	257						
3/27/2012	720	40000	48000	83 J	77 J	1300	20	250	3300	170 J	96 J	250 U	0.256	34.9	2790	254						
6/22/2012	780	54000	69000	89 J	160 J	2200	21	370	2600	730 J	130 J	500 U	0.2 U	56.5	166 J	176						
9/25/2012	710	30000	57000	85 J	130 J	3400	60	400	3300	390	78 J	250 U	0.2 U	41.2	11.4 J	149						
12/13/2012	170 J	3300 J	77000 J	500 UJ	500 UJ	780 J	13	340	3500	120 J	100 J	500 UJ	0.923	782	680	176						
4/12/2013	1000 U	2400	110000	1000 U	1000 U	2500	26	440	3700	1000 U	1000 U	1000 U	0.365	302	833	133						
7/18/2013	500 U	950	120000	110 J	86 J	2700	29	760	1900	500 U	150 J	500 U	5.78	709	62.3	140						
10/17/2013	500 U	500 U	65000	500 U	500 U	5000	74	830	2700	500 U	500 U	500 U	479	1150	5 U	0.17						
12/12/2013	500 U	1100	120000	130 J	84 J	2500	26	520	2300	500 U	120 J	500 U	0.792	546	13.4	117						
4/14/2014	20	53	15000	22	17	880	14	80	790	10 U	10	10 U	11.5	135	1.9 J	0.68	6.15					
8/22/2014	7.4	8.5	1700	3.4	2.5	130	9.9	35	3600	1 U	1.3	1 U	46.7	143	5 U	0.094 J	6.85					
12/11/2014	100 U	730	100000	210	92 J	9000	32	1600	9800	100 U	55 J	100 U	0.0866 J	176	413	167	7.32					
4/2/2015	100 U	1500	56000	160	100 J	16000	43	2700	9400	100 U	100 U	100 U	0.494	152	8.4	52.4	6.39					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 5

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
6/4/2009	1100 J	300000	110000	340 J	280 J	2000	55	740	130	2500 U	2500 U	2500 U	3.31	639	718							
7/19/2010	800 J	270000	87000	190 J	210 J	1100	89	1400	69	1000 U	1000 U	1000 U	2.24	258	1250	146						
8/30/2011	600	110000	99000	180 J	250 J	2300	80	800	360	500 U	500 U	500 U	0.0959 J		460	217						
9/1/2011														292								
3/26/2012	730	61000	48000	92	100	1600	18	140	1900	170	55	10 U	0.2 U	60.7	1250	161						
6/22/2012	650	45000	27000	42 J	62 J	290	15	120	730	1100 J	76 J	250 U	0.2 U	26.8	214 J	156						
9/18/2012	360 J	27000	75000	500 U	230 J	830	150	1000	1500	220 J	500 U	500 U	2.52	124	23.7	61.3						
12/13/2012	230 J	17000	92000	500 U	500 U	1100	22	180	2500	500 U	500 U	500 U	0.539	1250	373	273						
4/12/2013	200 J	27000	110000	1000 U	1000 U	1700	28	290	4400	1000 U	1000 U	1000 U	0.528	566	500	211						
7/18/2013	230 J	29000	99000	1000 U	1000 U	1800	20	160	3000	1000 U	1000 U	1000 U	0.582	477	205	210						
10/17/2013	230 J	29000	130000	1000 U	1000 U	1400	54	390	2400	1000 U	1000 U	1000 U	0.728	465	211	234						
12/12/2013	270 J	30000	140000	160 J	130 J	1900	50	350	4000	500 U	110 J	500 U	0.633	434	333	202						
4/16/2014	170	17000	150000	100 J	97 J	2500	32	470	4200	100 U	62 J	100 U	4.65	499	47	103	5.77					
8/19/2014	110	9400	150000	150	130	10000	51	1200	5600	100 U	81 J	100 U	2.39	467	152	119	6.53					
12/11/2014	170	16000	120000	160	110	11000	44	1700	7100	100 U	76 J	100 U	0.392 J	332	456	176	6.91					
4/2/2015	110	9800	73000	97 J	85 J	12000	48	1600	6700	100 U	100 U	100 U	4.78	479	60.5	85.8	6.6					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 7D

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
7/5/2011	1400 J	580000	7900	2500 U	2500 U	2500 U	11	7.7	73	2500 UJ	2500 U	2500 U	1.6	47.4	971	2.2	6.8	2.7E+02	8.7E+00	5.3E+01	4.6E+00	5.5E+00
8/30/2011	1500	270000	47000	500 U	170 J	140 J	9.4	32	45	620	500 U	500 U	15.3	286	562	26.2	6.06	1.1E+01	4.4E+03	5.8E+01	8.0E+01	1.7E+01
11/2/2011	1600	240000	63000	500 U	260 J	500 U	5.5	7.9	34	1400	500 U	500 U	0.32	149	317	98.6	6.47	6.0E+01	2.2E+04	2.3E+02	3.5E+02	1.6E+02
3/21/2012	2200 J	380000	100000	2500 U	2500 U	2500 U	12	16	110	530 J	2500 U	2500 U	0.931	117	413 J	40.3	6.33	1.1E+04	3.4E+04	2.9E+04	2.1E+03	1.5E+04
6/28/2012	2300	290000	56000	64 J	200	150	13	20	170	870	53 J	100 U	0.2 U	62.9	407	97.6	6.56	2.8E+02	5.6E+03	1.6E+03	3.4E+01	2.2E+02
9/19/2012	2400	250000	64000	500 U	220 J	250 J	13	24	220	760	500 U	500 U	0.2 U	66.8	85.5 J	161	7.03	2.2E+03	1.1E+04	2.4E+03	2.9E+03	1.6E+03
11/1/2012	2400	350000	61000	110 J	210 J	200 J				500	500 U	500 U		70.8								
12/6/2012	1200	330000	72000	96 J	100 J	270	9.8	23	150	250 J	73 J	250 U	45.7	941	92.3	1.5	6.27	1.1E+01	1.1E+01	3.0E+04	5.7E+04	1.1E+04
4/3/2013	1200	340000	280000	1900 J	460	1300	40	340	470 J	48	71	5 U	72.1	935	293	0.17	6.7	1.4E+05	3.1E+05	2.3E+06	2.2E+06	3.6E+04
7/10/2013	1600	360000	380000	240 J	870	3800	22	290	370	120 J	500 U	500 U	44.3	703	327	0.47	6.64	4.6E+04	2.4E+04	4.8E+04	3.8E+04	4.5E+02
10/10/2013	1200 J	300000	280000	5000 U	5000 U	5500	37	430	590	5000 U	5000 U	5000 U	37.8	424	341	1.1	6.38	5.0E+04	1.4E+04	1.7E+05	1.7E+05	2.2E+03
12/5/2013	850	210000	370000	280 J	900	2500	20	340	740	500 U	500 U	500 U	25	251	161	0.66	6.26	8.8E+04	3.6E+03	2.7E+05	2.7E+05	1.4E+04
4/10/2014	460	110000	370000	380	920	5100	20	260	550	200 U	200 U	200 U	21.1	191	110	0.59	6.19	8.9E+04	7.3E+03	2.9E+05	8.7E+02	1.4E+04
8/12/2014	420	160000	380000	270	940	11000	38	430	1000	200 U	200 U	200 U	23.6	258	153	1.4	6.6	4.1E+05	9.6E+03	2.9E+06	1.5E+04	4.7E+04
12/4/2014	840	340000	410000	320	850	4500	25	350	1500	200 U	200 J	200 U	15.4	222	179	0.92	6.45	6.1E+05	4.2E+03	1.2E+06	4.5E+03	5.5E+03
3/25/2015	400	160000	180000	180	430	3700	10	140	380 J	50 U	50 U	50 U	9.81	109	116	0.46	7.21	4.8E+05	7.1E+03	1.7E+06	6.2E+03	5.7E+04
10/21/2015	330	120000	380000	420	590	6600	44	480	1800	200 U	200 U	200 U	25.9	148			8.11					
5/10/2016	220	110000 D	540000 D	410	670	11000	19	1200 D	1800 D	100 U	100 U	100 U	25.2	187	250	1.1	7.05	2.6E+05	1.6E+04	9.1E+05	8.1E+03	1.1E+05
9/30/2016	25000 U	170000	540000	25000 U	25000 U	15000 J	33 J	880 J	880 J	25000 U	25000 U	25000 U	28	160			6.68					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 8D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
6/27/2011	63	2100	8200	14 J	73	210 J	3 J	11	49	1900	100	25 U	6.7	4.7	843	0.33	6.91					
8/30/2011	11 J	990	9100	21 J	25	82	5.6	3.5 J	35	1200	58	25 U	0.702	283	422	62.6	6.11					
11/4/2011	32	340	4100	9.2 J	22 J	79	2.4 J	2.4 J	63	2300	82	25 U	1.16	301	321	45	6.38					
3/23/2012	10 J	220	1700	4.2 J	21 J	65	5 U	5 U	180	2400	110	25 U	0.109 J	996	437	93.8	6.24					
6/25/2012	25 U	49	5500	6.8 J	12 J	250	8	6.1	15000	42	41	25 U	20.2	190	18.7	0.13 J	7.62					
9/19/2012	8.6	1400	2400	7.7	27	350	3.6 J	19	2700	760	99	5 U	0.2 U	46.5	121 J	106	6.97					
12/7/2012	50 U	27 J	9500	27 J	19 J	180	5.6	12	7300	190	28 J	50 UJ	4.83	299	1.6 J	12.1	6.21					
4/10/2013	25 U	6.3 J	9800	12 J	15 J	2300	6.7	63	16000	110	200	25 U	3.36	463	7.3 J	55.3	7.47					
7/12/2013	50 U	50 U	3500	16 J	50 U	9400	23	450	20000	40 J	320	50 U	132	509	5 U	0.069 J	7.12					
10/11/2013	100 U	45 J	16000	100 U	100 U	2900	16	2300	7500	340	510	100 U	5.66	544	6.8	90.9	6.26					
12/9/2013	25 U	14 J	7600	21 J	8.3 J	2300	24	5100	19000	180	610	25 U	31.8	545	3.1 J	2.8	6.1					
4/16/2014	9.8	44	22000	36	42	2800	16	2100	12000	640	730	6.9	4.6	405	6.8	65.3	6.95					
8/21/2014	0.94 J	3.8	740	31	4.8	610	59	6600	24000	110	690	11	10	443	2.4 J	21.5	7.39					
12/11/2014	1 U	1.6	33	12	0.62 J	140	33	3500	15000	4.7	340	3.2	21.2	321	5 U	1.2	7.08					
4/2/2015	50 U	30 J	22000	37 J	26 J	2400	28	1700	7100	680	910	50 U	1.07	426	57.4	105	6.78					
10/21/2015	5 U	7.4	3600	18	5.7	1200	21	2600	15000	130	490	5 U	3.05	437								
5/16/2016	1.0 U	2.4	170	13	0.95 J	210	20	1400 D	14000 D	14	320 D	2.8	26.1	465	5.0 U	0.095 J	7.41					

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J- Indicates estimated value, biased low
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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ- 9D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
7/5/2011	400	23000	11000	100 U	68 J	200	2.5 J	11	55	810 J	69 J	100 U	0.706	3.7	969	1.3	6.55	1.5E+03	2.7E+01	1.6E+02	4.5E+00	2.5E+01
8/30/2011	30 J	910	14000	30 J	52	36 J	2 J	2.2 J	16	3800	56	50 U	1.66	251	354	66	5.96	0.1 J	2.4E+02	2.3E+01	4.6E+00	1.5E+00
11/3/2011	8.6 J	130	8700	29 J	25 J	100	15	7	38	360	150	50 U	90.4	353	2.3 J	5.8	6.05	3.6E+01	2.6E+03	6.0E+01	1.2E+02	5.0E+02
3/27/2012	10 U	14	1600	4.2 J	4 J	17	1.3 J	1.2 J	75	22	8 J	10 U	13.3	31.3	5 U	0.16 U	7.45	7.2E+02	6.9E+02	4.5E+02	1.1E+02	2.7E+01
6/21/2012	10 U	25	550	10 U	1.7 J	21	5 U	5 U	97	73 J	3.9 J	10 U	0.539	26.7	20 J	3.9	7.67	1.8E+02	1.2E+02	4.8E+02	4.1E+00	7.8E+01
9/19/2012	0.99 J	32	250	5 U	0.98 J	56	5 U	5 U	370	24	1.8 J	5 U	0.195 J	10.9	3 J	2.4	8.03	3.9E+03	2.6E+03	3.5E+03	2.3E+01	1.1E+03
11/1/2012														51.5								
12/5/2012	270	29000	90000	51 J	43 J	340	13	27	140	190	80 J	100 U	23.6	1320	21.9	21.5	5.91	2.8E+02	1.1E+02	2.7E+04	5.3E+04	1.2E+04
4/3/2013	110	12000	81000	58	69	720	18	80	6000 J	170	100	50 U	67.5	709	15.9	13.5	6.27	2.8E+03	6.9E+03	1.7E+04	1.1E+04	1.3E+01
7/11/2013	500 U	3700	120000	110 J	140 J	13000	27	680	3600	150 J	210 J	500 U	67.1	679	31.9	5.1	6.34	2.9E+05	2.6E+03	4.3E+05	2.0E+05	3.1E+03
10/10/2013	2500 U	20000	250000	2500 U	2500 U	11000	23	1100	1600	2500 U	2500 U	2500 U	15.3	784	44.2	27.5	6.03	1.9E+05	9.7E+03	1.0E+06	1.7E+06	1.8E+04
12/5/2013	80 J	12000	110000	73 J	190 J	5900	12	730	3500	150 J	140 J	250 U	12.3	321	20.8	11.3	6.29	5.4E+05	1.4E+04	9.7E+05	3.6E+05	4.0E+04
4/10/2014	1 U	8.6	1800	11	4.1	890	7	1500	5000	5.3	21	1 U	34.7	89.5	5 U	0.18	6.84	5.0E+05	3.1E+03	3.4E+06	1.1E+04	3.6E+05
8/13/2014	74 J	11000	93000	110	170	14000	32	5400	11000	100 J	120	100 U	9.08	279	8.4	10.2	6.91	1.6E+05	1.9E+03	1.8E+06	9.2E+03	9.3E+04
12/4/2014	42 J	6200	60000	86	100	7800	16	4300	11000	60	100	50 U	7.25	216	7.2	10.4	6.37	3.8E+05	2.6E+03	2.3E+06	7.3E+03	2.6E+04
3/25/2015	10 J	2400	23000	41	47	5500	15	6300	8700	31	67	20 U	28.2	216	33.5	4.2	6.6	3.4E+05	2.2E+03	2.9E+06	1.3E+04	3.1E+05

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ-10D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/29/2011	140	1800	2900	50 U	130	110	5 U	3.4 J	23	12000	100	50 U	0.399	4.4	706 J	0.4	7.69	2.9E+02	2.3E+01	3.9E+01	4.6E+00	3.6E+00
8/29/2011	18 J	120	2600	8.7 J	41 J	73	5 U	2.4 J	13 J	5900	67	50 U	0.688	55.7	569	20.3	6.81	2.1E+00	4.1E+02	8.2E+00	1.5E+00	6.0E-01
11/1/2011	5.2	59	1200	6	15	51	3.9 J	2.4 J	82	1100	60	5 U	2.64	61.6	93	30.2	7.08	2.1E+01	4.9E+03	1.8E+01	1.4E+00	6.9E+00
3/27/2012	3.1 J	18	450	2.1 J	9.7	110	1.2 J	2.9 J	47	620	30	5 U	0.0172 J	15.1	228	18.1	6.97	8.4E+03	7.8E+03	2.1E+04	5.3E+04	1.2E+03
6/21/2012	5.8	23	710	4.1 J	16	210	1.1 J	23	85	1400 J	59	5 U	1.36	17.7	615 J	23.9	7.54	1.3E+03	2.5E+03	1.1E+04	4.9E+03	9.7E+03
9/20/2012	4.9 J	14	560	3.2 J	17	190	1.8 J	40	960	1000	55	5 U	0.0727 J	17.4	425	19.7	8.03	1.4E+03	1.2E+03	3.6E+04	1.2E+04	4.2E+04
11/1/2012														17.3								
12/5/2012	11 J	220	8000	16 J	19 J	220	2 J	6.3	170	590	86	25 U	0.0585 J	152	53.6	162	6.51	7.9E+01	3.6E+01	2.9E+02	2.6E+02	9.1E+01
4/4/2013	16	47	9900	19	33	1200	19	430	3500	400	280	10 U	28.2	629	4.1 J	51.2	6.03	2.4E+05	1.4E+04	3.7E+06	5.4E+06	3.4E+04
7/15/2013	50 U	18 J	4500	11 J	18 J	1100	24	890	6100	760	400	50 U	36.3	553	71	70.5	6.4	3.8E+04	2.4E+04	6.5E+05	2.6E+05	1.4E+04
10/16/2013	17 J	13 J	5200	16 J	150	770	15	470	9100	9900	1700	25 U	2.45	218	3.2 J	77.6	6.22	1.3E+04	3.9E+03	4.7E+05	1.8E+05	8.8E+04
12/5/2013	25 J	18 J	8000	22 J	170	840	12	190	4100	9100	1500	50 U	1.93	280	7.8	91.8	6.55	2.2E+04	7.7E+03	2.1E+05	1.2E+05	3.1E+04
4/15/2014	0.85 J	1.3	8.5	1 U	1 U	1.8	12	2 J	720	2.8	0.8 J	1 U	0.383 J	24.2	31.3	0.25	7.76	6.4E+02	2.6E+02	1.2E+03	5.2E+01	8.1E+02
8/12/2014	18	12	7600	32	130	2800	11	190	5600	2500	600	10 U	0.0599 J	74.3	44.4	138	7.12	4.2E+04	2.6E+03	2.8E+05	1.6E+03	5.4E+03
12/4/2014	3.8 J	5 U	5900	27	80	2400	12	170	8700	1500	550	5 U	0.0514 J	84.2	5.4	131	6.87	1.5E+05	4.4E+03	3.3E+05	2.1E+03	8.1E+02
3/25/2015	2.6	3.9	2100	15	34	1300	13	97	5000	540	250	0.98 J	0.0409 J	40.9	46.3	117	7.39	3.9E+04	5.4E+03	1.3E+05	9.8E+02	5.0E+03

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J- Indicates estimated value, biased low
J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ-11D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
4/4/2012	33 J	2500	8200	19 J	35 J	270	5 U	16	53	970	82	50 U	0.295	3.8	475 J	15.3						
6/21/2012	27	3500	14000	29	51	390	1.8 J	22	98	980 J	98	25 U	0.149 J	4.1	1070 J	17.1	6.87	1.2E+04	2.4E+02	2.1E+04	6.0E+02	5.2E+03
9/25/2012	8.6 J	500	14000	33 J	68	1300	11	120	370	1000	130	50 U	0.161 J	3.5	812 J	23.9	6.73					
11/1/2012														7.9								
12/12/2012	590	200000	83000	250 J	140 J	2700	83	460	2700	170 J	500 U	500 UJ	4.67	652	337	49.1	6.18					
4/5/2013	360	72000	170000	170	290	1700	62	420	970 J	170	78	50 U	0.457	270	325	206	6.68					
7/12/2013	310 J	40000	180000	180 J	320 J	3500	70	440	2500	1000 U	1000 U	1000 U	0.0838 J	265	334	183	6.47					
10/8/2013	500 U	5800	76000	100 J	150 J	2300	15	99	1800	500 U	500 U	500 U	0.186 J	171	178	97	6.28					
12/10/2013	520	160000	110000	110 J	280 J	2800	16	170	2300	500 UJ	500 U	500 U	3.11	202	84.3	45.2	6.44					
4/11/2014	43 J+	7100	29000	58	75	2100	5.7	130	1500	11	19	10 U	0.156 J	66.8	23.1 J+	40.4	7.14					
8/13/2014	320	140000	230000	150 J	500	6800	34	550	5600	200 U	200 U	200 U	0.562	202	164	78.5	6.28					
12/12/2014	100	36000	95000	87 J	200	4700	53	700	7700	100 U	100 U	100 U	0.32 J	107	353	83.9	7.49					
4/1/2015	5 U	81	3600	10	8.3	980	7.4	150	3100	5 U	6.4	5 U	0.386 J	5.3	22.7	23.7	6.19					
10/21/2015	10 U	660	5700	17	13	1900	73	460	13000 J	10 U	6.7 J	10 U	0.2 J	70.6			7.6					
5/16/2016	200 U	27000	120000 D	140 J	260	4500	82	980 D	16000 D	200 U	200 U	200 U	0.167 J	83.2	266	56.7	8.17					
9/29/2016	5000 U	14000	57000	5000 U	5000 U	2500 J	73 J	1200 J	10000 J	5000 U	5000 U	5000 UJ	0.35	82			6.93					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ-12D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
4/4/2012	43 J	3900	63000	57 J	100 J	1100	23	280	2200	110 J	250 U	250 U	0.0427 J	17.4	251 J	48.7	6.25					
6/28/2012	200	19000	17000	34 J	56 J	510	49	210	4100	540	31 J	100 U	0.0506 J	17.5	267	128	7.38					
9/26/2012	17	820	760	10 U	3.1 J	38	5 U	1.5 J	23	10 U	10 U	10 U	0.142 J	8.6	24.7	29.2	9.06					
11/1/2012														4.8								
12/13/2012	220 J	14000	120000	1000 U	1000 U	710 J	15	55	390	1000 UJ	1000 UJ	1000 U	8.7	1420	86.5	76.8	5.89					
4/5/2013	130	10000	94000	110	80	2100	92	990	5900 J	120	70	50 U	18.2	659	36.1	31.3	6.34					
7/15/2013	320 J	31000	130000	1000 U	1000 U	2800	63	1200	4400	1000 U	1000 U	1000 U	17.6	658	92.3	9.7	5.84					
10/11/2013	330 J	34000	210000	190 J	310 J	9200	85	2200	5100	1000 U	1000 U	1000 U	43.3	668	176	80.8	6.06					
12/9/2013	380 J	42000	100000	110 J	170 J	9200	30	1800	4200	500 U	500 U	500 U	12.2	308	65.2	22.8	6.47					
4/16/2014	53	3900	21000	53	42 J	2000	49	690	5100	50 U	50 U	50 U	0.948	56.8	9.9	9.5						
8/14/2014	2.3	6	110	0.85 J	1 U	50	4 J	19	2000	1 U	1 U	1 U	11.7	58	5 U	0.24	7.05					
12/10/2014	10 U	93	5800	20	7.8 J	970	17	990	10000	10 U	10 U	10 U	3.13	103	13.3		6.58					
12/12/2014																82	7.04					
4/3/2015	27 J	2900	22000	38 J	51	2500	11	1200	4300	50 U	50 U	50 U	1.07	50.8	8.4	12.6	7					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: INJ-13D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
4/4/2012	340 J	47000	44000	40 J	92 J	260	1.6 J	21	57	710	79 J	250 U	0.0398 J	15.6	820 J	25						
6/28/2012	810	140000	26000	500 U	140 J	320 J	15	91	260	810	500 U	500 U	0.2 U	30	566	108	6.8					
9/24/2012	990	100000	21000	500 U	500 U	640	13	63	310	680	500 U	500 U	0.2 U	13.9	703	72	6.79					
11/1/2012														7.7								
12/13/2012	1000 U	9800	130000	320 J	1000 U	1600	34 J	130 J	1200	1000 UJ	1000 UJ	1000 U	4.78	1420	57.2	64.4	6.02					
4/5/2013	120	15000	110000	130	100	1800	100	680	4500 J	110	79	50 U	1.97	767	80.4	65	6.47					
7/15/2013	290 J	33000	120000	140 J	130 J	2300	69	1400	5100	500 U	500 U	500 U	2.13	608	135	79.7	6.03					
10/8/2013	1000 U	8300	86000	1000 U	1000 U	9400	52	5200	8500	1000 U	1000 U	1000 U	2.2	530	133	60.7	6.07					
12/10/2013	100	17000	79000	90 J	100	9600	44	1500	3800	47 J	60 J	100 U	3.26	292	60.9	20.7	6.41					
4/10/2014	100 U	4300	65000	100	100	4700	77	1400	8000	100 U	100 U	100 U	0.107 J	142	37.2	51.6	7.04					
8/14/2014	100 U	1000	51000	100	95 J	6500	70	2700	15000	100 U	100 U	100 U	0.0627 J	164	45.9	62.7	6.85					
12/9/2014	2 U	38	2800	50	6.6	830	61	1800	15000	2 U	2 U	2 U	0.595	67.8	59.3	40.7	6.62					
4/3/2015	11 J	2000	13000	23	27	1100	11	560	3800	20 UJ	20 U	20 U	0.173 J	24.1	18.8	8.3	7.75					
10/20/2015	10 U	90	10000	54	12	2500	140	2100	7200	10 U	8.1 J	10 U	17.6	191			7.75					
5/16/2016	10 U	33	4300 D	38	15	2500	380	2300 D	17000 D	10 U	10 U	10 U	9.13	101	10.5	3.3	7.82					
9/29/2016	500 UJ	1300	12000	500 U	500 U	3100	270	1300	9700	500 UJ	500 U	500 U	4	82			6.73					

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mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 1D

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE		Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-	1,1-	Chloro	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		TCE	DCE	DCE								Trichloro	Dichloro											
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
11/2/2001		5.0 U										5.0 U	5.0 U											
12/6/2001		5 U										5 U	5 U											
9/30/2002		180										9.3	5.0 U											
11/4/2002		50 D										6.5	1.0 U											
9/19/2003		12						5.0 U				5.0 U	5.0 U											

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UJ The analyte was not detected. The reporting limit is an approximate value
J- Indicates estimated value, biased low
J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 15

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
11/2/2001		32								5.0 U	5.0 U											
12/6/2001		28								5 U	5 U											
9/26/2002		6.9								5.0 U	5.0 U											
11/4/2002		10								1.0 U	1.0 U											
9/19/2003		7.8				18				5.0 U	5.0 U											
10/28/2003		17				19				5.0 U	5.0 U											
5/17/2004		24				25				5 U	5 U											
6/21/2004		8				7				5.0 U	5.0 U											
8/29/2005		13	104	5.1	1.2	18.4	0.29	0.52	13.3	1.0 U	1.0 U	1.0 U		2.3	2230							
9/18/2006	1 U	4	84	5	1 U	12	12 U	17 U	12	1 U	1 U	2 U		2.1	2580							
5/27/2008	5 U	19	150	6.9	2.2 J	19	1.1 J	1.7 J	55	5 U	5 U			2.2	2140 J							
5/28/2009	5.0 U	7.1	150	6	1.6 J	16	1.0 U	1.0 U	29	5.0 U	5.0 U	5.0 U	1.18	3	2130	1.0 U						
7/13/2010	5 U	2.7 J	100 J	4.7 J	1.2 J	10	5 U	5 U	20	5 U	5 U	5 U	2.44	2.9	2350 J	0.16 J						
6/21/2011	5 U	2 J	88	3.6 J	5 U	5.3	5 U	5 U	15 J	5 U	5 U	5 U	1.8	3	2830	0.076 J	7					
8/26/2011	5 U	1.1 J	96	3.9 J	5 U	7.5	5 U	5 U	14 J	5 U	5 U	5 U	1.56	3.2	2750	0.093 J	7.03					
11/7/2011	5 U	3.5 J	120	5.1	1.2 J	14	5 U	5 U	25	5 U	5 U	5 U	1.77	1.3	2110	0.25						
3/20/2012	5 U	4.4 J	120	4.5 J	1.1 J	5.2	5 U	5 U	14 J	5 U	5 U	5 U	0.421	2.8	2420 J	0.24	6.12					
6/19/2012	5 U	14	170	7.4	2 J	15	5 U	5 U	32	5 U	5 U	5 U	1.14	2.6	2260	0.16 U						
9/18/2012	5 U	1.5 J	110	4.4 J	0.84 J	7.8	5 U	1.2 J	29	5 U	5 U	5 U	1.02	2.7	2120	0.16 U	7.21					
12/12/2012	5 U	17	170	7.2	2.1 J	15	5 U	1.2 J	37	5 U	5 U	5 UJ	2.55	1.1	2130	0.16 U	6.7					
4/2/2013	5 U	8.4	140	5.6	1.3 J	7.7	5 U	5 U	14	5 U	5 U	5 U	0.427	1.6	2030	0.16 U	7.58					
7/16/2013	5 U	14	170	7.1	1.7 J	12	5 U	5 U	25	5 UJ	5 U	5 U	0.703	1.3	2000	0.16 U	7.4					
10/16/2013	5 U	41	200	8.9	2.4 J	13	5 U	5 U	15	5 U	5 U	5 U	0.4 U	1.2	1940	0.16 U						
12/3/2013	5 U	7.8	170	7.4	1.6 J	8.9	5 U	5 U	22	5 U	5 U	5 U	0.961	2 J	1840	0.16 U						
4/14/2014	1 U	4.2	150	5.9	1.3	6.8	5 U	5 U	16	1 U	1 U	1 U	0.984	3	1920	0.16 U	6.67					
8/15/2014	1 U	1.8	24	1.3	1 U	1.4	5 U	5 U	9.9	1 U	1 U	1 U	1.68	5.7	533	0.23	7.87					
12/2/2014	1 U	2.7	28	1.5	1 U	1.7	5 U	5 U	19	1 U	1 U	1 U	0.46	2.3	290	0.4	7.41					
3/26/2015	1 U	2.4	17	0.89 J	1 U	1 J	5 U	5 U	5 UJ	1 U	1 U	1 U	0.24 J	1.6	254	0.16 U	7.14					
10/13/2015	1 U	1 U	14	0.82 J	1 U	1.4	5 U	5 U	260	1 U	1 U	1 U	0.238 J	2.7								
5/12/2016	1.0 U	1.7	58	2.6	0.55 J	10	5.0 U	5.0 U	240	1.0 U	1.0 U	1.0 U	1.01	2.2	1460	0.39	7.26					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 2D

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE		Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-	1,1-	Chloro	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
		TCE (µg/L)	DCE (µg/L)	DCE (µg/L)								ethane (µg/L)	ethane (µg/L)											
11/2/2001		440000	BD									32	33											
12/6/2001		950000										50000 U	50000 U											
12/12/2001		4.4E+08										24000000 U	24000000 U											
10/2/2002		410000										12000 U	12000 U											
11/7/2002		400000										12000 U	12000 U											
9/23/2003		480000 D						12000 U				2900 J	12000 U											
10/30/2003		640000						25000 U				25000 U	25000 U											
6/23/2004		110000 B						1400 J				2500 J	4000 U											

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 2DP

Date	PCE (µg/L)	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
10/2/2002	11600000	24000000	611000	2500 U	2500 U	2500 U				2500 U	2500 U	5000 U										

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 2S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
11/2/2001		140000 BD								5.0 U	85											
12/6/2001		200000								25000 U	25000 U											
10/3/2002		25000 U								25000 U	25000 U											
11/7/2002		5600 J								25000 U	25000 U											
9/19/2003		25000 U				30000				25000 U	25000 U											
10/30/2003		25000 U				32000				25000 U	25000 U											
5/19/2004		25000 U				35000				25000 U	25000 U											
6/23/2004		7300 J				26000				25000 U	25000 U											
8/31/2005		500 U	657000	2770	1680	94000	14.8	450	178	500 U	500 U	500 U		47.1	867							
9/18/2006	1000 U	2170	343000	3110	1080	116000	28	351	147	1000 U	1000 U	2000 U		11.7	1330							
5/29/2008	400 U	2700	400000	2300 J	1100 J	60000	44	650	290	400 U	500 U			7.6	1130 J							
6/2/2009	5000 U	31000	230000	1700 J	660 J	28000	40	390	210	5000 U	5000 U	5000 U	4.39	7.5	1120	0.98 U						
7/13/2010	2500 U	2500	250000	1700 J	680 J	32000	30	320	120	2500 U	2500 U	2500 U	4.23	7.9	1270 J	0.16 U						
6/29/2011	1300 U	6400	230000	1400	610 J	26000	12	76	56	1300 U	1300 U	1300 U	3.28	9.6	957 J	0.16 U	6.7	6.3E+03	3 U	1.1E+04	5.7E+01	1.1E+01
8/25/2011	500 U	500 U	220000	1400	490 J	24000	12	120	55	500 U	500 U	500 U	4.23	7	1510 J	0.16 U	6.52	1.0E+05	7.0E+01	9.9E+04	8.3E+01	3.6E+02
11/2/2011	500 U	150 J	120000	1100	340 J	18000	15 J	92 J	62 J	500 U	500 U	500 U	1.32	5.4	868	0.16 U	6.95	2.1E+05	1.2E+02	3.4E+05	3.7E+02	1.7E+02
3/21/2012	1000 U	520 J	240000	1700	590 J	30000	17	140	98	1000 U	1000 U	1000 U	1.28	5	1100 J	0.16 U	6.5	2.5E+05	1.0E+02	2.3E+05	1.5E+02	1.4E+03
6/20/2012	250 U	600	250000	1700	560	27000	62	390	1800	250 UJ	250 U	250 U	3.88	5.5	1170	0.16 U	6.73	8.5E+04	8.6E+02	2.3E+05	1.5E+02	2.8E+02
9/19/2012	500 U	210 J	240000	1900	650	33000	80	450	2500	500 U	500 U	500 U	3.05	4.7	1090 J	0.16 U		6.6E+03	9.3E+02	2.3E+05	2.3E+04	6.3E+05
12/5/2012	500 U	760	230000	1700	620	27000	55	280	1800	500 U	500 U	500 U	1.87	5	1130	0.16 U	6.44	1.9E+04	2.8 J	2.5E+04	2.9E+01	2.9E+01
4/3/2013	44 J	2000	250000	1800	560	28000	45	230	950 J	47 J	38 J	100 U	0.958	4	1230	0.16 U	7.07	6.8E+04	4.7E+02	1.4E+05	2.7E+02	8.0E-01
7/11/2013	500 U	1400	220000	1600	530	18000	18	130	300	500 U	500 U	500 U	1.16	4.3	1130	0.16 U	6.84	7.5E+03	3.1E+01	1.7E+03	1.5E+01	9.0E-01
10/15/2013	2500 U	730 J	240000	1800 J	670 J	27000	43	460	860	2500 U	2500 U	2500 U	4.1	5.7	1020	0.16 U	6.15	3.7E+03	1.9E+02	6.3E+03	3.7E+02	1.0E+01
12/5/2013	250 U	7100	190000	1200	540	14000	11	96	240	250 U	250 U	250 U	0.183 J	5	562	0.16 U		3.8E+05	2.7E+01	8.3E+05	6.1E+02	2.4E+02
4/14/2014	1 UJ	3.5	77	4.9	1 U	67	190	190	19000	1 U	1.2	1 U	0.376 J	10.3	32.1	17.7	6.4	1.7E+04	1.3E+02	5.9E+04	1.3E+02	2.4E+04
8/18/2014	250 U	630	300000	2000	810	30000	17	190	240	250 U	250 U	250 U	5.17	7	954	0.16 U	6.93	3.9E+05	3.1E+02	6.7E+05	1.3E+01	3.4E+00
12/9/2014	200 U	3500	240000	1300	450	12000	5.2	59	70	200 U	200 U	200 U	0.186 J	4.2	974	0.16 U	7.49	1.6E+05	1.6E+02	4.7E+05	3.1E+01	9.6E+00
3/26/2015	82 J	5300	240000	1400	500	14000	7.6	34	140 J	100 U	100 U	100 U	0.111 J	3	894	0.16 U		3.8E+05	1.3E+01	6.0E+05	2.7E+01	1.2E+02
10/15/2015	500 U	500 U	260000	1200	360 J	9300	14	170	210	500 U	500 U	500 U	3.4	4.4			6.85					
5/9/2016	50 U	320	240000	1600	520	14000	22	180	310	50 U	29 J	50 U	2.23	2.3	1220	0.10 U	6.78	2.3E+03	1.6E+03	4.6E+03	2.1E+00	1.9E+00
9/29/2016	5000 U	5000 U	190000	5000 U	5000 U	17000	8.8 J	80 J	120 J	5000 U	5000 U	5000 UJ	3	2.8			6.57					

D Result reported from a secondary dilution analysis.
J Indicates an estimated value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
R The sample results are rejected.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 2SP

Date	PCE (µg/L)	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
10/2/2002	5000 U	5000 U	970000 D	2200 J	5000 U	46000				5000 U	5000 U	10000 U										

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 3D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
11/2/2001		30000 BD								87000 D	1200 DJ											
12/6/2001		20000								44000	2000 U											
9/30/2002		5500								25000	1000 U											
11/7/2002		4600								16000 D	110 J											
9/22/2003		1600				500 U				11000	100 J											
5/28/2008	9.7 J	150	2600	5.4 J	37	160	2.8 J	13	43	750	32			2.6	808 J							

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µg/L micrograms per liter
mg/L milligrams per liter
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s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 3DP

Date	PCE (µg/L)	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
10/2/2002	8.9	130	46	5.0 U	4.4 J	5.0 U				590 D	5.9	10 U										

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 3S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
11/2/2001		4.3 BJ								5.0 U	5.0 U											
12/6/2001		2.3 J								5 U	5 U											
9/26/2002		5								5.0 U	5.0 U											
11/4/2002		2								1.0 U	1.0 U											
9/18/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/28/2003		5.0 U				5.0 U				5.0 U	5.0 U											
5/19/2004		5 U				5 U				5 U	5 U											
6/22/2004		2.4 J				5.0 U				5.0 U	5.0 U											
8/31/2005		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.10 U	0.10 U	0.2	1.0 U	1.0 U	1.0 U		5.3	13.1							
5/29/2008	5 U	5 U	1.8 J	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U			2.8	2090 J							
6/1/2009	5.0 U	2.2 J	1.5 J	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U	3.7	5.0 U	5.0 U	5.0 U	0.832		2680	1.0 U						
7/12/2010	5 U	5 U	0.81 J	5 U	5 U	5 U	5 U	5 U	23	5 U	5 U	5 U	1.93		2610	0.16 U						
6/22/2011	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	16	5 U	5 U	5 U	0.637	3.3	2740	0.16 U	7.59					
8/23/2011	5 U	1.3 J	7.1	5 U	5 U	5 U	5 U	5 U	11 J	5 U	5 U	5 U	1.4	3.8	3170 J	0.11 J	7.39					
11/9/2011	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	32	5 U	5 U	5 U	2.31	8.6	3470	0.16 U	6.8					
3/20/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7.3 J	5 U	5 U	5 U	0.0961 J	14.1	283 J	0.16 U	6.67					
6/26/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	0.945	19.8	462	0.16 U	7.49					
9/27/2012	5 U	5 U	5 U	5 U	5 U	5 U	2.6 J	5 U	240	5 U	5 U	5 U	0.398	12.4	529	0.16 U	7.54					
12/12/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	140	5 U	5 U	5 UJ	1.98	8.4	662	0.16 U	6.6					
4/10/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.0842 J	8.3	254	0.16 U						
7/17/2013	5 U	5 U	5 U	5 U	5 U	5 U	2.8 J	1.5 J	150	5 U	5 U	5 U	0.768	8.4	342	0.16 U	7.11					
10/10/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	69	5 U	5 U	5 U	0.228 J	4.4	450	0.16 U						
12/3/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3.4 J	5 U	5 U	5 U	0.151 J	5.1 J	699	0.16 U						
4/11/2014	1 UJ	1 U	1.3	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	0.162 J	9.6	226 J+	0.16 U	7.31					
8/19/2014	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	31	1 U	1 U	1 U	0.0397 J	4.7	523	0.16 U						
12/3/2014	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	0.4 U	9.8	88.5	0.16 U	6.56					
4/1/2015	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	17	1 U	1 U	1 U	0.236 J	76.3	215	0.16 U						

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 4D

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE		Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
		TCE (µg/L)	DCE (µg/L)	DCE (µg/L)								ethane (µg/L)	ethane (µg/L)											
11/2/2001		250000	BD									56	21											
12/6/2001		190000										10000	U	10000	U									
9/30/2002		61000										1300	J	2500	U									
11/6/2002		58000										3300		2500	U									
9/19/2003		31000						780	J			4200		1000	U									
6/23/2004		130000	BD					720	J			1800		210	J									

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µg/L micrograms per liter
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cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 4S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
11/2/2001		110000 BD								13	7.2											
12/6/2001		46000								1200 U	1200 U											
9/26/2002		4100								250 U	250 U											
11/4/2002		9000 D								150	13 J											
9/18/2003		190				230				100	100 U											
10/28/2003		130				320				100	100 U											
5/19/2004		1600				1000				710	68 J											
6/23/2004		250				410				43 J	100 U											
8/31/2005		941	12200	100 U	50.5 J	1460	5.86	13.1	84.8	209	100 U	100 U		2.9	2420							
9/19/2006	50 U	932	11000	50	54	1530	12 U	17 U	71.4	70	50 U	100 U		3.4	3410							
5/29/2008	34 J	15000	19000	31 J	43 J	360	13	9.8	140	100 U	100 U			3.9	2920 J							
6/2/2009	5.0 U	1.5 J	23	1.4 J	5.0 U	93	15	24	200	5.0 U	0.72 J	5.0 U	0.671	6.2	3750	1.7						
10/8/2009	5.0 U	6.7	92	2.4 J	0.51 J	79	8.8	11	120	0.38 J	0.78 J	5.0 U		11.4								
7/15/2010	5 U	5 U	34 J	1 J	5 U	130	16	13	170	5 U	5 U	5 U	0.693	3.5	3970 J	4.6						
6/23/2011	10 U	59	670	11	3 J	220	12	100	150	2.7 J	3.4 J	10 U	0.338	12.2	3730	45.4	7.69					
8/23/2011	5 U	10	130	3.6 J	5 U	91	12	75	110	5 U	1.8 J	5 U	0.855	5.4	4090 J	1.4	7.12					
11/8/2011	5 U	2.7 J	27	2.3 J	5 U	50	11	110	430	5 U	1.6 J	5 U	0.498	6.1	4190 J	11	7.04					
3/20/2012	5 U	1.4 J	46	5 U	5 U	140	14	42	180	5 U	1.4 J	5 U	0.6	4.1	4440 J	0.35	6.53					
6/27/2012	5 U	1.6 J	37	5 U	5 U	74	5.9	15	100 J	5 U	5 U	5 U	0.72	3.8	3190 J	5.1	7.14					
9/25/2012	5 U	2.1 J	120	1.6 J	5 U	210	15	94	320	5 U	1.2 J	5 U	0.589	7	3710 J	6.4	6.41					
12/12/2012	5 U	8	330	8.9	1.1 J	260	15	110	1400	5 U	1.3 J	5 UJ	0.617	5 U	2200	12.1	6.39					
4/10/2013	25 U	39	3400	55	8 J	1700	31	380	6100	25 U	6.2 J	25 U	0.186 J	9.2	2320	22.9	6.75					
7/18/2013	5 U	10	530	12	1.4 J	470	11	89	1300	1.3 J	2 J	5 U	0.414	5.1	3420	14.1	6.87					
10/17/2013	5 U	32	1300	27	4 J	920	20	300	4400	0.86 J	3.2 J	5 U	0.24 J	13.6	1840	29.1	6.25					
12/12/2013	5 U	27	660	20	2.9 J	810	16	230	3600	5 U	2.3 J	5 U	0.587	13.6	3050	26.1	6.44					
4/14/2014	5 U	23	3000	47	6.7	1400	54	350	5000	5 U	4.5 J	5 U	0.684	9	2190	19.5	6.73					
8/22/2014	1 U	10	1100	13	3.2	450	20	88	2900	1 U	2	1 U	0.185 J	7.7	2240	11.3						
12/8/2014	1 U	17	2600	20	8.7	1100	18	150	5500	1 U	2.4	1 U	0.3 J	7.8	2560	16.3	6.73					
3/30/2015	2 U	8.6	2500	29	7.4	1000	16	170	4700	1 J	3.4	2 U	0.564	7.3	1950	10.8	7.61					
10/19/2015	1 U	3.2	2300	5.7	5.2	420	15	79	2000	1 U	1.3	1 U	0.533	4.7			6.68					
5/16/2016	1.0 U	5.1	320 D	1.8	1.2	230	9.3	24	480 D	1.0 U	0.79 J	1.0 U	0.639	5.6	4110	2.4	6.79					
9/26/2016	2.5 UJ	1.2 J	40 J	2.5 UJ	2.5 UJ	72 J	3.5	4	90	2.5 UJ	2.5 UJ	2.5 UJ	0.56	3.9			6.75					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 5S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/26/2002		5.0 U								5.0 U	5.0 U											
11/4/2002		5.0 U								5.0 U	5.0 U											
9/18/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/28/2003		5.0 U				5.0 U				5.0 U	5.0 U											
5/17/2004		5 U				5 U				5 U	5 U											
6/21/2004		5.0 U				5.0 U				5.0 U	5.0 U											
8/29/2005		0.42 J	1	1.0 U	1.0 U	1.5				1.0 U	1.0 U	1.0 U										
6/1/2009	5.0 U	5.0 U	0.85 J	5.0 U	5.0 U	15	1.6	1.0 U	38	5.0 U	5.0 U	5.0 U	1.16		1110	0.98 U						
7/8/2010	5 U	5 U	1.5 J	5 U	5 U	34	2.6 J	2 J	44	5 U	5 U	5 U	1.3		1150	0.16 U						
8/30/2011	5 U	6.5	1.2 J	5 U	5 U	24	2.4 J	1.9 J	30	5 U	5 U	5 U	0.723	2.4	932	0.16 U	7.06					
3/28/2012	5 U	5 U	5 U	5 U	5 U	3.6 J	5 U	5 U	7.9 J	5 U	5 U	5 U	0.193 J	1.7	1200	0.16 U						
6/27/2012	5 U	5 U	1.3 J	5 U	5 U	27	1.6 J	1.1 J	24 J	5 U	5 U	5 U	0.678	1.6	966 J	0.16 U						
9/26/2012	5 U	5 U	1.4 J	5 U	5 U	35	1.4 J	5 U	19	5 U	5 U	5 U	0.818	1.5	859	0.16 U	7.32					
12/11/2012	5 U	5 U	2 J	5 U	5 U	33	1.8 J	1.1 J	20 J	5 U	5 U	5 U	0.549	1.8	945	0.16 U						
4/2/2013	5 U	5 U	0.99 J	5 U	5 U	3.3 J	5 U	5 U	5.6	5 U	5 U	5 U	0.152 J	1.5	1060	0.16 U	7.59					
7/16/2013	5 U	5 U	1.7 J	5 U	5 U	27	1.3 J	5 U	21	5 UJ	5 U	5 U	0.639	2.1	877	0.16 U	7.36					
10/8/2013	5 U	5 U	1.6 J	5 U	5 U	30	1.5 J	5 U	17	5 U	5 U	5 U	0.591	1.9	790	0.16 U	6.93					
12/3/2013	5 U	5 U	1.3 J	5 U	5 U	21	1.3 J	5 U	22	5 U	5 U	5 U	0.679	2.6 J	767	0.16 U	6.94					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 6S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/27/2002		29								5.0 U	5.0 U											
11/4/2002		0.68 J								1.0 U	1.6											
9/18/2003		3.4 J				210 D				5.0 U	5.4											
10/29/2003		3.9 J				140				5.0 U	4.4 J											
5/17/2004		5 U				190 D				5 U	5.6											
6/22/2004		11				120				2 J	6.6											
8/31/2005		0.96 J	2.2	1.0 U	1.0 U	9.1	0.48	0.10 U	0.32	1.0 U	0.43 J	1.0 U		2.6	21.5							
9/21/2006	1 U	2	58	1 U	1	267	48.3	17 U	185	1 U	11	2 U		3.5	3700							
5/28/2008	5 U	2.5 J	34	5 U	1.6 J	280	57	8.2	300	1.4 J	11			3.5	2440 J							
5/29/2009	5.0 U	0.76 J	72	3.1 J	1 J	410	58	7.5	290	0.86 J	6.8	5.0 U	0.0514 J	6.5	2610	1.0 U						
7/14/2010	5 U	5 U	58	5 U	1.1 J	300	56	6.6	200	0.86 J	6.7	5 U	0.137 J	5.5	3540	0.16 U						
6/22/2011	5 U	1.4 J	60	2.5 J	5 U	120	12	2 J	62	5 U	1.9 J	5 U					10.1					
8/24/2011	5 U	5 U	23	5 U	0.98 J	210	45	3.5 J	110	5 U	6.3	5 U					6.96					
11/1/2011	5 U	5 U	40	5 U	1.5 J	250	46	4.8 J	150	5.5	9.9	5 U					6.78					
3/23/2012	5 U	5 U	670	2.4 J	3.3 J	280	17	5.4	48	1.5 J	10	5 U										
6/27/2012	5 U	5 U	53	5 U	5 U	210	34	4 J	110	5 U	3.9 J	5 U										
9/26/2012	5 U	5 U	31	5 U	1.5 J	250	50	5.8	140 J	1.1 J	8.5	5 U					6.45					
12/11/2012	5 U	5 U	29	5 U	5 U	110	24	3.3 J	75 J	5 U	2.8 J	5 U					6.89					
4/11/2013	5 U	5 U	1.9 J	5 U	5 U	1.3 J	5 U	5 U	5 U	5 U	5 U	5 U					8.37					
7/19/2013	5 U	5 U	97	0.9 J	5 U	230	27	4.6 J	140	1.1 J	5.3	5 U					6.45					
10/17/2013	5 U	5 U	66	5 U	1.3 J	230	54	15	200	0.87 J	7.4	5 U					6.24					
12/11/2013	500 U	500 U	500 U	500 U	500 U	170 J	45	4.7 J	160	500 U	500 U	500 U										
4/16/2014	0.53 J	76	67	0.55 J	1 U	60	5.4	1.1 J	56	1 U	1.2	1 U					7.7					
8/21/2014	1 U	1.3	44	0.6 J	0.63 J	170	31	6.4	140	1 U	4.5	1 U										
12/10/2014	1 U	1 U	38	1.1	0.97 J	190	32	3.4 J	100	0.91 J	6.5	1 U					7.73					
4/1/2015	1 U	1	30	0.84 J	1 U	35	2.7 J	5 U	23	1 U	1 U	1 U					8.28					
10/19/2015	1 U	0.7 J	42	1 U	1 U	53	2.9 J	1.7 J	100	1 U	0.55 J	1 U					9.31					
5/12/2016	1.0 U	1.0 U	25	1.0 U	1.0 U	91	11	12	88	1.0 U	1.4	1.0 U					7.33					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 7D

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
10/25/2006	501	18300	7480	20 U	24	96	12 U	17 U	15.7	309	39	40 U		3.3	857							
1/15/2008	720 J	140000	26000	5.0 U	5.0 U	690 J	12	15	82	360 J	5.0 U	5.0 U		7.79	1150							
5/30/2008	740	75000	26000	500 U	110 J	1000	8.9	15	74	120 J	500 U			5.1	1400							
7/25/2008	5000 UJ	5000 UJ	130000 J	360 J	5000 UJ	900 J	16 J	28 J	72 J	5000 UJ	5000 UJ	5000 UJ		480 J	1190 J							
9/30/2008	2500 U	1200 J	59000	740 J	140 J	1500	4.4	13	55	2500 U	2500 U	2500 U		212	1280							
12/11/2008	5.0 U	2600	53000	350 J	5.0 U	1400 J	5.3	15	62	5.0 U	5.0 U	5.0 U		278	649							
6/2/2009	500 U	1600	19000	68 J	44 J	1200	7.8	18	380	500 U	53 J	500 U	0.043 J	124	1210	304						
6/5/2009	53 J	2200	26000	79 J	37 J	1200	5.6 J	10 J	200 J	42 J	75 J	500 U										
10/8/2009	100 J	3100	23000	88 J	55 J	940	12	21	890	64 J	100 J	500 U	0.0317 U	117	485							
7/14/2010	47 J	1800	17000	41 J	30 J	1400	13	110	3700	100 U	47 J	100 U	0.2 U	77	1310	229						
6/23/2011	830 J	63000	80000	1000 U	250 J	1300	8.3	56	130	730 J	1000 U	1000 U	0.106 J	56.1	856	128	7.64					
8/24/2011	500 U	770	140000	98 J	350 J	990	80	530	160	500 U	120 J	500 U	0.11 J	138	170	41.2	6.93					
11/8/2011	560	25000	29000	60 J	65 J	1300	38	210	3200	110 J	140 J	250 U	2.56	166	12.7 J	157	7.26					
3/20/2012	70	150	3100	50 U	12 J	890	19	93	170	50 U	50 U	50 U	0.977	4.4	5 U	0.27	7.42					
6/26/2012	390	19000	32000	56 J	60 J	630	17	190	3100	150	80 J	100 U	0.2 U	14.7	376	230	8.67					
9/18/2012	420	20000	31000	61 J	76 J	1000	29	370	4200	200	110	100 U	0.2 U	27.9	579 J	243	7.2					
12/7/2012	500 U	500 U	110000	110 J	500 U	930	22	250	2800	260 J	520	500 UJ	0.292	935	7.5	302	5.96					
4/9/2013	46 J	190 J	64000	81 J	130 J	740	8.1	79	1100	2600	1000	250 U	0.0459 J	210	10 J	224						
7/17/2013	89 J	1300	59000	91 J	500 U	1200	17	180	3400	900	1100	500 U	0.2 U	178	37.9	242	6.73					
10/16/2013	65 J	270	72000	89 J	81 J	850	9.9	120	2400	2100	1400	250 U	0.4 U	216	6.1	219	6.27					
12/13/2013	84 J	530	69000	110 J	190 J	1100	17	280	2000	2100	1900	500 U	0.4 U	192	22.2	208	6.55					
4/8/2014	100 U	360	44000	88 J	85 J	2100	45	360	4700	510	740	100 U	0.4 U	589	96.3	165	7.17					
8/18/2014	100 U	780	72000	140	93 J	3000	41	470	8600	360	650	100 U	0.4 U	219	12.2	220	6.89					
12/11/2014	66 J	1100	98000	120	110	2200	27	410	6900	630	990	100 U	0.183 J	213	13.5 J+	212	6.58					
4/2/2015	200 U	320	72000	200 U	200 U	3500	58	410	8000	270	660	200 U	0.0579 J	112	7.1	119	6.76					
10/20/2015	290	24000	69000	140	53 J	2300	26	420	7900	150	310	100 U	0.4 U	85.4			6.73					
5/17/2016	94 J	560	67000 D	130	69 J	2500	12	260	9600 D	100 U	150	100 U	0.400 U	84.8	31.6	159	7					
9/30/2016	170 U	66 J	72000	140 J	46 J	5300	7.5 J	300 J	5000 J	41 J	350	170 U	0.063 J	240			6.54					

D Result reported from a secondary dilution analysis.
J Indicates an estimated value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
R The sample results are rejected.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 7S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/27/2002		5.0 U								5.0 U	5.0 U											
11/4/2002		5.0 U								5.0 U	5.0 U											
9/18/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/29/2003		2.9 J				5.0 U				5.0 U	5.0 U											
5/17/2004		5 U				5 U				5 U	5 U											
6/22/2004		12				5.0 U				1.2 J	5.0 U											
8/29/2005		1.0 U	1	1.0 U	1.0 U	1.0 U				1.0 U	1.0 U	1.0 U										
9/21/2006	1 U	1 U	1 U	1 U	1 U	1 U				1 U	1 U	2 U										
5/28/2008	5 U	5 U	5 U	5 U	5 U	5 U				5 U	5 U											
6/1/2009	5.0 U	6.9	0.75 J	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U	5.7	5.0 U	5.0 U	5.0 U	0.122		2070	1.0 U						
7/14/2010	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7.6 J	5 U	5 U	5 U	0.307		2070	0.16 U						
8/31/2011	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.4 J	5 U	5 U	5 U	0.716	3.6	2170	0.16 U	6.65					
3/20/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	0.0756 J	2.7	2430 J	0.16 U	6.89					
6/26/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7.5 J	5 U	5 U	5 U	0.709	2.4	1750	0.16 U	6.54					
9/18/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6.9 J	5 U	5 U	5 U	1.32		1970	0.16 U	6.6					
12/12/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	0.239	2	2070	0.16 U	6.53					
4/10/2013	5 U	5 U	2.1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.0446 J	2.6	2210	0.16 U						
7/17/2013	5 U	5 U	0.95 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.2 U	2.4	1940	0.16 U						
10/17/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.307 J	2	12100	0.16 U	6.53					
12/3/2013	5 U	5 U	0.98 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.235 J	2.9 J	1880	0.16 U						
4/10/2014	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	0.0861 J	3.9	1800	0.16 U						
8/21/2014	1 U	1 U	0.71 J	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	4.44	2.9	1700	0.16 U						
12/12/2014	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	0.25 J	0.98 J	1780	0.16 U	6.72					
3/31/2015	1 U	1 U	0.66 J	1 U	1 U	1 U	5 U	5 U	5 U	1 UJ	1 U	1 U	0.48	2.7	1620	0.16 U						
10/21/2015	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	22	1 U	1 U	1 U	2.15	1.8			6.57					
5/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	15	1.0 U	1.0 U	1.0 U	1.53	1.2	2010	0.10 U	6.64					

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 8S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/27/2002		5.0 U								5.0 U	5.0 U											
11/4/2002		5.0 U								5.0 U	5.0 U											
9/18/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/28/2003		5.0 U				5.0 U				5.0 U	5.0 U											
5/17/2004		5 U				5 U				5 U	5 U											
6/22/2004		4.3 J				5.0 U				5.0 U	5.0 U											
8/31/2005		2.7	14.3	1.0 U	1.0 U	0.97 J				1.0 U	1.0 U	1.0 U										
9/21/2006	1 U	1 U	1 U	1 U	1 U	1 U				1 U	1 U	2 U										
5/29/2008	5 U	5 U	5 U	5 U	5 U	5 U				5 U	5 U											
5/29/2009	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	1.0 U	1.0 U	2.7	5.0 U	5.0 U	5.0 U	0.0088 J		850	0.99 U						
7/15/2010	5 U	5 U	14	5 U	5 U	18	5 U	5 U	15 U	5 U	5 U	5 U	0.2 U		3890 J	0.16 U						
9/1/2011	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	0.0192 J	14.9	424 J	0.16 U	9.86					
3/29/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	0.0812 J	7	5270 J	0.16 U	6.34					
6/21/2012	5 U	5 U	4 J	5 U	5 U	3.8 J	5 U	5 U	15 U	5 UJ	5 U	5 U	0.0325 J	25.1	4390 J	0.16 U						
9/19/2012	5 U	5 U	2.8 J	5 U	5 U	3.5 J	5 U	5 U	8.3 J	5 U	5 U	5 U	0.2 U	5.7	4010 J	0.16 U	6.94					
12/12/2012	5 U	1.5 J	2.1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	0.2 U	5.6	2450	0.16 U	6.85					
4/10/2013	5 U	5 U	1.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.2 U	5.3	3840	0.16 U						
7/17/2013	5 U	5 U	0.87 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.594	6.7	3270	0.16 U						
10/9/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.122 J	4.2	1250	0.16 U	6.97					
12/10/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.4 U	3.6	1360	0.16 U	7.05					

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW- 9S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/27/2002		5.0 U								5.0 U	5.0 U											
11/4/2002		5.0 U								5.0 U	5.0 U											
9/18/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/28/2003		5.0 U				22				5.0 U	5.0 U											
5/18/2004		5 U				84				5 U	5 U											
6/23/2004		5.0 U				120				5.0 U	5.0 U											
8/31/2005		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				1.0 U	1.0 U	1.0 U										
9/20/2006	1 U	1 U	358	3	1 U	212				1 U	1 U	2 U										
5/30/2008	5 U	67	130	5 U	5 U	35				5 U	5 U											
6/1/2009	2500 U	30000	99000	2500 U	2500 U	4100	19	27	210	2500 U	2500 U	2500 U	0.0658 J		1410	50.2						
7/12/2010	5 U	5 U	410	2.2 J	1.6 J	140	5 U	3.2 J	24	5 U	1.2 J	5 U	1.28		3510	0.16 U						
8/31/2011	5 U	5 U	310	2 J	0.99 J	170	5 U	6	27	5 U	5 U	5 U	1.61	7.6	3190	0.16 U	5.92					
3/28/2012	5 U	5 U	1300	7.5	4.2 J	460	5 U	15	32	5 U	3.1 J	5 U	0.81	5.4	2640	0.16 U	6.44					
6/26/2012	5 U	5 U	1100	7.8	3.7 J	290	5 U	19	42	5 U	3.6 J	5 U	1.06	5.9	2300	0.16 U	6.84					
9/26/2012	10 U	10 U	930	5.4 J	2.7 J	510	5 U	20	43	10 U	2.8 J	10 U	1.14	5.8	2300	0.16 U	6.48					
12/12/2012	5 U	5 U	740	4.9 J	2.6 J	320	5 U	20	40	5 U	3.6 J	5 UJ	0.752	4.6	1990	0.16 U	6.52					
4/2/2013	5 U	5 U	1100	8.8	4.3 J	640	5 U	35	54	2.6 J	7.7	5 U	0.627	5.8	2480	15.2	7.28					
7/19/2013	5 U	5 U	480	4.1 J	5 U	360	5 U	25	50	5 U	3.6 J	5 U	1.1	7.5	2530	9	6.48					
10/17/2013	5 U	5 U	220	1.6 J	5 U	150	5 U	7.3	19	5 U	1.5 J	5 U	0.22 J	16.8	778	0.95	6.95					
12/11/2013	5 U	5 U	270	2.1 J	0.89 J	180	5 U	12	25	0.82 J	2.4 J	5 U	0.896	15.4	1740	1.3	6.61					
4/17/2014	1 U	2.4	1000	7.5	4.1	620	3.3 J	50	90	16	16	1 U	0.549	10.7	1160	13.3	6.93					
8/19/2014	1 U	0.9 J	460	3.8	2.3	330	5 U	26	58	5.6	7.3	1 U	1.76	10.8	2040	5.7	7.11					
12/12/2014	1 U	1 U	240	1.5	0.95 J	260	5 U	21	39	3.6	4.4	1 U	2.98	6	2490	4.6	6.65					
3/27/2015	1 U	2	710	4.9	5.1	500	1.6 J	30	100 J	19	18	1 U	1.37	14.7	892	2.6	7.13					
10/13/2015	1 U	1 U	1	1 U	1 U	1 U	5 U	5 U	19	1 U	1 U	1 U	2.02	8.9			6.74					
5/13/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	26	1.0 U	1.0 U	1.0 U	0.400 U	7.6	1390	0.10 U	9.24					
9/28/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 UJ	0.50 UJ	6.7 J	1.0 U	1.0 U	1.0 U	0.100 U	6.9			7.6					

D Result reported from a secondary dilution analysis.
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J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
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UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-10D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
7/2/2002		960 D								5.0 U	5.0 U											
10/1/2002		4300 D								43	14											
11/6/2002		5400								140 J	250 U											
9/22/2003		2500				66 J				230	28 J											
10/29/2003		3700 D				130				200 DJ	46											
5/18/2004		4700				62 J				230	120 U											
6/22/2004		1000				66				53	12 J											
9/1/2005		1090	2630	5.8 J	15.6	180				147	25.6	10 U										
9/21/2006	5 U	37	1320	5 U	9	111	12 U	17 U	49.9	28	11	10 U		2.4	1060							
5/29/2008	5 U	5 U	98	5 U	5 U	27	14	2.3 J	150	1.4 J	5 U			2.7	722 J							
5/29/2009	5.0 U	5.0 U	34	5.0 U	5.0 U	17	7.4	1.0 U	110	0.89 J	5.0 U	5.0 U	1.03		706	1.15						
7/12/2010	5 U	5 U	24	5 U	5 U	10	13	1.1 J	190	1.3 J	5 U	5 U	0.822		934	4						
8/21/2011																	6.17					
8/31/2011	25 U	58	6200	15 J	27	180	7.4	3.7 J	110 J	680	30	25 U	0.174 J	6.4	840	8.4						
3/27/2012	10 U	10	1500	3.5 J	10	120	4.6 J	2.2 J	71	290	17	10 U	0.751	3.2	766	1.7						
3/29/2012	5 U	8	1300	3.6 J	16	98	11	1.7 J	120	300	17	5 U	0.515	2.4	974 J	3.9	6.97					
6/25/2012	10 U	2.3 J	1300	3.1 J	15	91	15	3.5 J	200	190	15	10 U	0.168 J	2.1	932	6.2	6.95					
9/27/2012	5 U	1.8 J	1000	2.7 J	11	120	25	3.4 J	310	180	19	5 U	0.103 J	1.7	916	5.3	6.72					
12/13/2012	10 U	4.9 J	810	2.6 J	10	160	4.7 J	3.8 J	78	250 J	15 J	10 U	0.716	13.3	627	4.7	6.85					
4/2/2013	5 U	2.6 J	770	2.3 J	9	160	19	5.5	270	230	17	5 U	0.0773 J	2.5	815	7.5	7.92					
7/18/2013	10 U	2.8 J	1100	2.5 J	8.9 J	170	11	7.4	150	140	21	10 U	0.104 J	2.2	657	4.7	7.89					
10/11/2013	5 U	4.6 J	1100	3.2 J	13	250	5	8.4	82	250	30	5 U	0.125 J	1.9	636	3.2	7.12					
12/11/2013	5 U	2.2 J	770	2.4 J	9.8	160	16	5.6	240	150	21	5 U	0.097 J	2.1	761	6.1	6.73					

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-10S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/15/2005		4.2	1120	17.2	1.8	75.7	0.45	1.9	13.8	1.0 U	1.0 U	1.0 U		2.5	501							
9/20/2006	1 U	12	355	2	1 U	40	12 U	17 U	11.3	1 U	1 U	2 U		2.4	766							
5/29/2008	5 U	64	730	5.3	2.3 J	140	22	14	200	5 U	5 U			2.4	1350 J							
5/28/2009	5.0 U	120	1900	37	4.7 J	240	2.3	10	46	5.0 U	5.0 U	5.0 U	2.99		804	0.99 U						
7/13/2010	5 U	66	750	5.1	2.4 J	110	1.4 J	4.1 J	31	5 U	5 U	5 U	1.65		1020 J	0.16 U						
6/21/2011	5 U	14	1100	8.7	2.9 J	210	5.5	18	260	5 U	3.4 J	5 U					6.77					
8/24/2011	5 U	16	1100	12	3 J	270	25	42	4400	5 U	2.3 J	5 U					6.85					
11/2/2011	25 U	34	5600	27	8.9 J	640	7.3	69	3000	25 U	25 U	25 U					6.86					
3/28/2012	5 U	6.2	880	11	2.6 J	510	12	230	1700	5 U	5 U	5 U					6.85					
6/19/2012	5 U	10	1000	19	2.7 J	740	16	590	6600	5 U	2.3 J	5 U					6.69					
9/25/2012	5 U	4.9 J	410	25	5 U	810	7	1700	1700	5 U	1.2 J	5 U										
12/10/2012	5 UJ	3.2 J	300	12	5 U	280	6.5	380	350	5 U	5 U	5 UJ					6.62					
4/5/2013	5 U	3 J	330	6.8	0.91 J	280	5.2	280	570 J	5 U	5 U	5 U										
7/12/2013	5 U	4.9 J	340	13	5 U	250	9	570	2700	5 U	5 U	5 U					7.13					
10/15/2013	5 U	5 U	230	4.2 J	5 U	170	3.2 J	100	240	5 U	5 U	5 U					6.69					
12/3/2013	5 U	5 U	280	3.6 J	5 U	130	2.5 J	48	250	5 U	5 U	5 U					7.09					
4/17/2014	1 U	1.2	280	2.9	0.75 J	130	1.9 J	45	570	1 U	1 U	1 U					6.91					
8/18/2014	1 U	3	630	4.7	1.8	190	2.9 J	23	440	1 U	1 U	1 U					6.97					
12/10/2014	1 U	1.6	240	6.3	0.97 J	140	6.2	14	2100	1 U	1 U	1 U					6.9					
3/27/2015	1 U	1.5	170	1.5	1 U	49	5 U	5.6	200 J	1 U	1 U	1 U					6.98					
10/21/2015	1 U	5.5	410	2.7	0.89 J	79	3.3 J	14	91	1 U	1 U	1 U					6.57					
5/13/2016	1.0 U	11	530 D	11	1.7	160	4.4 J	12	1300 D	1.0 U	1.0 U	1.0 U					6.83					
9/29/2016	20 U	14 J	520	20 U	20 U	79	0.94 J	5.3 J	23 J	20 U	20 U	20 UJ					7.05					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-11D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
7/3/2002		30								240 D	9.5											
10/1/2002		15								110	2.8 J											
11/4/2002		9.4								110 D	3											
9/22/2003		29				2.6 J				360 D	4.5 J											
10/29/2003		14				4.2 J				130	4.5 J											
5/18/2004		50 U				50 U				120	50 U											
6/22/2004		1400 B				50 U				1700 D	41 J											
8/29/2005		5	113	0.48 J	1.6	2.6	6.16	0.10 U	44.8	239	6	1.0 U		3.2	1260							
9/20/2006	5 U	69	257	5 U	5 U	5 U	12 U	17 U	24.3	315	9	10 U		3.8	1660							
5/28/2008	8.4 J	260 J	190 J	5 U	7.3 J	9.3 J	76 J	5 U	460 J	200 J	4.6 J			4	1490 J							
5/28/2009	21 J	1200	3500	100 U	19 J	640	46	13	280	220	48 J	100 U	0.0616 J		1030	3						
10/8/2009	10 J	280	2100	5.2 J	16 J	250	45	5.0 U	240	430	33 J	100 U		4								
7/8/2010	3.4 J	130	1300	3.6 J	12	310	60	7.4	320	140	33	5 U	0.2 U		1290	11.9						
6/22/2011	310	5900	3100	250 U	490	250 U	18	1.4 J	95	25000	280	250 U					7.72					
8/24/2011	17	100	1300	2.8 J	44	30	250 J	5 UJ	1000 J	2300	69	10 U					6.93					
11/1/2011	5.8 J	21	550	10 U	17	30	170	5 U	1400	1700	33	10 U					6.87					
3/26/2012	2.8 J	9.8	380	1.3 J	12	38	100	5 U	430	990	37	5 U		1.4			6.52					
6/20/2012	1.2 J	10	150	5 U	4.2 J	53	110	1.9 J	750	430 J	21	5 U					7.31					
9/26/2012	5 U	9.1	150	5 U	6.9	67	67	2.1 J	280	320	26	5 U					6.59					
12/7/2012	5 U	7.2	120	5 U	3.7 J	47	81	1.3 J	350	270	26	5 UJ					6.72					
4/9/2013	1.1 J	9.6	210	1.3 J	9.6	160	9.6	6.9	59	630	55	5 U					7.42					
7/11/2013	5 U	5.3	99	5 U	4.3 J	69	24	2.3 J	110	290 J	35	5 U					7.33					
10/16/2013	5 U	8.2	170	1.2 J	7.7	140	10	5.1	63	500	60	5 U					6.77					
12/3/2013	5 U	7.9	170	1.5 J	6.6	140	4.6 J	13	110	480	66	1.9 J					7.51					
4/15/2014	0.54 J	6.3	140	1.3	14	110	1.7 J	21	260	340	62	1.9					7.48					
8/14/2014	1 U	4.3	53	0.87 J	4.8	100	18	13	220	290	43	3					7.11					
12/5/2014	1 U	5.2	110	1.2	8.1	94	1.8 J	11	140	320	63	2.6					7.11					
4/2/2015	1 U	1.6	23	0.65 J	0.98 J	40	7.7	12	150	68	23	1.5					6.71					
10/15/2015	1 U	1.5	15	1 U	1.3	21	41	8.6	220	35	16	0.69 J					7.86					
5/13/2016	1.0 U	2.7	15	1.0 U	1.6	17	36	1.3 J	190	65	12	0.65 J					6.94					
9/27/2016	2.0 U	1.1 J	33	0.93 J	2.0 U	37	31	8	160	33	12	2.0 U					7.18					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-11S

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
9/15/2005		103	609	7.5	3.2	91.4	0.95	1.6	68	13.9	25.9	1.0 U		2.2	2260							
9/20/2006	5 U	31	735	11	6	158	12 U	17 U	85.8	33	49	10 U		2.9	2880							
5/28/2008	5 U	240	920	26	14	140	2.3 J	1.9 J	140	110	67			2.7	2190 J							
5/28/2009	25 U	180	1700	59	13 J	240	1.5	1.0 U	97	65	88	25 U	0.238		1960	1.0 U						
7/8/2010	5 U	190	920	47	11	210	1.6 J	1.7 J	85	30	68	5 U	0.599		1850	0.16 U						
6/23/2011	50 U	93	4400	27 J	58	450	2.7 J	5 J	77	600	170	50 U					6.8					
8/24/2011	10 U	200	1300	20	21	210	2.9 J	3.6 J	110	210	81	10 U					6.79					
11/2/2011	5 U	150	2200	29	37	790	3.2 J	38	260	300	200	5 U					6.68					
3/22/2012	5 U	160	460	15	8.2	300	5.1	87	840	49	68	5 U					6.44					
6/21/2012	5 U	89	280	14	4.4 J	270	4 J	110	770	39 J	67	5 U					6.71					
9/26/2012	5 U	140	300	14	3.1 J	230	1.6 J	62	250	8.8	34	5 U					6.55					
12/10/2012	5 UJ	110	150	7.8	1.5 J	54	5 U	18	87	3.5 J	13	5 UJ					6.75					
4/12/2013	5 U	44	180	9.6	1.7 J	160	2 J	97	950	14	48	5 U					6.91					
7/18/2013	5 U	84	150	8.8	1.4 J	75	1.8 J	80	880	11	44	5 U					6.38					
10/17/2013	5 U	70	160	8.7	1.3 J	82	3.4 J	120	760	9.5	49	5 U					6.47					
12/3/2013	5 U	73	140	8.7	1.3 J	70	2.8 J	120	1200	11	58	1.3 J					6.87					
4/17/2014	1 U	60	120	7.1	1.1	53	2.1 J	91	770	6.8	41	0.97 J					7.16					
8/21/2014	1 U	87	160	8.4	1.2	50	4 J	98	1200	5.9	42	1					7.18					
12/3/2014	1 U	86	150	7.7	1.3	51	2.6 J	79	680	4.3	33	0.89 J					6.86					
3/25/2015	1 U	28	210	7.4	1.6	60	1.6 J	47	460	1.6	17	1 U					7.44					
10/15/2015	2 U	2.8	190	6.2	2 U	34	1.1 J	9	150	1.7 J	5	2 U					6.97					
5/11/2016	1.0 U	32	260	7.6	2	65	1.9 J	36	390	1.0 U	12	1.1					6.92					
9/27/2016	13 U	24	240	6.4 J	13 U	95	1.1	16	90	13 U	7 J	13 U					6.98					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-12D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/23/2002		95								1.7 J	5.0 U											
10/1/2002		5.0 U								5.0 U	5.0 U											
11/4/2002		5.0 U								5.0 U	5.0 U											
9/19/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/30/2003		5.0 U				5.0 U				5.0 U	5.0 U											
5/17/2004		5 U				5 U				5 U	5 U											
6/21/2004		5.0 U				5.0 U				5.0 U	5.0 U											
8/30/2005		1.0 U	0.82 J	1.0 U	1.0 U	1.0 U				1.0 U	1.0 U	1.0 U										
9/20/2006	1 U	1 U	1 U	1 U	1 U	1 U				1 U	1 U	2 U										
5/29/2008	5 U	12	1.9 J	5 U	5 U	5 U				5 U	5 U											
5/28/2009	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	37	1.0 U	210	5.0 U	5.0 U	5.0 U	0.0286 J		1460	32.8						
7/9/2010	5 U	5 U	5 U	5 U	5 U	5 U	25	5 U	130	5 U	5 U	5 U	0.2 U		1520	31.4						
9/1/2011	5 U	5 U	5 U	5 U	5 U	5 U	24	5 U	130	5 U	5 U	5 U	0.0172 J	1.6	1790 J	47.2	6.38					
3/28/2012	5 U	5 U	1.6 J	5 U	5 U	5 U	27	5 U	130	5 U	5 U	5 U	0.2 U	1 U	1650	41.8	6.74					
6/19/2012	5 U	5 U	4.7 J	5 U	5 U	5 U	28	5 U	150	1.7 J	5 U	5 U	0.2 U	0.78 J	1780	36.7	6.83					
9/27/2012	5 U	1.9 J	3.7 J	5 U	5 U	5 U	39	5 U	200	5 U	5 U	5 U	0.2 U	1.7	1630	35.2	6.91					
12/13/2012	5 U	5 U	5 U	5 U	5 U	2 U	26	1.2 J	130	5 U	5 U	5 U	0.2 U	1 U	1330	28.8	6.39					
4/2/2013	5 U	5 U	16	5 U	5 U	7.9	29	5 U	160	5.1	5 U	5 U	0.2 U	1 U	1540	42.8	7.39					
7/15/2013	5 U	5 U	3.5 J	5 U	5 U	1.5 J	37	5 U	200	1.2 J	5 U	5 U	0.2 U	1 U	1500	41.2	7.14					
10/14/2013	5 U	5 U	5.5	5 U	5 U	2.7 J	42	5 U	200	1.3 J	5 U	5 U	0.4 U	0.88 J	1370	42.2	6.82					
12/10/2013	5 U	5 U	5 U	5 U	5 U	5 U	41	5 U	210	5 U	5 U	5 U	0.4 U	1.4	1250	41.5	6.74					
4/8/2014	1.1	39	570	2	13	130	5 U	4.2 J	21	370	16	1 U	0.195 J	3	600	0.32	7.22					
8/19/2014	1 U	1 U	7.5	1 U	1 U	2.2	39	5 U	210	1.9	1 U	1 U	0.4 U	1.6	1490	47.5	7.17					
12/12/2014	1 U	1 U	1 U	1 U	1 U	1 U	33	5 U	170	1 U	1 U	1 U	0.4 U	1 U	1520	42	6.75					
3/27/2015	1 U	1.6	170	0.59 J	2.1	70	26	2.8 J	140 J	24	4.8	1 U	0.4 U	1.5	1180	23.7	7.16					

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-12S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/15/2005														16.7	1650							
9/21/2006	20 U	3050	2210	20 U	21	136	12 U	17 U	52.2	1420	140	40 U										
5/28/2008	21 J	11000	6200	35 J	54	240	20	10	290	400	52											
5/29/2009	100 U	2500	3800	26 J	23 J	1300	9.2	19	170	200	110	100 U	0.253	10.9	630	25.4						
7/14/2010	25 U	2900	2800	27	15 J	1500	8.1	29	110	150	93	25 U	0.218		1140	9.7						
6/22/2011	81 J	7700	8300	250 U	360	200 J	9.2	5.4	110	18000	400	250 U					7.62					
8/25/2011	18 J	5300	9300	33 J	170	370	7.2	3.8 J	86	9100	500	50 U					6.72					
11/2/2011	10 J	3300	4500	20 J	78	510	5.9	25	240	3000	480	25 U					6.88					
3/28/2012	25 U	4700	2900	26	15 J	230	20	150	2000	270	100	25 U					6.76					
6/27/2012	25 U	7000	2900	38	8 J	190	16	150	2000	120	48	25 U					7.19					
9/26/2012	50 U	4500	3000	29 J	50 U	450	13	210	2700	88	55	50 U					6.38					
12/10/2012	5 UJ	740	1100	14	5.5	280	18	320	3200	74	53	1.3 J					7.97					
4/11/2013	10 U	1800	960	22	2.6 J	210	27	400	6200	51	45	10 U					6.96					
7/18/2013	25 U	2700	2900	41	6.7 J	510	27	320	6200	45	49	25 U					6.29					
10/17/2013	5 U	980	2800	40	6.7	430	29	480	5600	24	28	5 U					6.58					
12/13/2013	10 U	2100	1500	29	4.8 J	300	34	450	7800	27	38	10 U					6.69					
4/17/2014	2 U	1300	610	22	2	130	20	370	4100	17	23	2 U					7.13					
8/19/2014	1 U	1400	1500	48	3.7	740	43	570	9000	23	34	1 U					6.84					
12/10/2014	5 U	3100	1700	35	2.7 J	430	24	380	5800	12	19	5 U					6.72					
4/2/2015	2 U	850	730	30	1.9 J	520	33	500	5200	10	19	2 U					7.52					
10/16/2015	5 U	1600	2000	42	3.8 J	770	30	690	6200	12	24	5 U					6.21					
5/13/2016	5.0 U	2300 D	1600 D	44	3.8 J	420	29	820 D	4400 D	8.5	20	2.7 J					7.12					
9/28/2016	100 U	1900	1400	30 J	100 U	920	19	480	2600	100 U	100 U	100 U					6.77					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-13D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/25/2002		51								6.1	3 J											
10/1/2002		38								3.3 J	2.7 J											
11/6/2002		36								5.3	3.8 J											
9/22/2003		24				120				3.7 J	4.6 J											
10/29/2003		20				71				3.8 J	4 J											
5/19/2004		14				76				2.3 J	3.1 J											
6/21/2004		33				110				25 U	25 U											
8/30/2005		16.3	234	1.9	1.5	150	0.48	8.6	17.7	2.2	7.9	1.0 U		2	1010							
9/21/2006	1 U	9	658	4	2	261	12 U	17 U	17.7	1 U	26	2 U		3.5								
10/25/2006															1160							
5/27/2008	5 U	30	660	4.9 J	4.2 J	250	1.4 J	12	41	2.1 J	29			2.8	971 J							
5/27/2009	50 U	50 U	1000	6.2 J	50 U	420	2.9	15	44	50 U	42 J	50 U	0.169		923	1.0 U						
7/8/2010	5 U	5 U	700	6	4.2 J	240	1.6 J	6.9	22	1.1 J	36	1.3 J	0.218		98.6 J	0.78						
8/30/2011	5 U	1.4 J	510	4.2 J	2.9 J	280	2.5 J	12	27	5.6	29	5 U	0.218	3.7	1100	0.84	7.14					
3/29/2012	5 U	3.1 J	370	3.7 J	2.2 J	290	9.9	8.5	20	5 U	28	5 U	0.217	2.7	907 J	4.3	6.38					
6/25/2012	5 U	5 U	270	2.8 J	1.9 J	150	9.1	10	29	5 U	14	5 U	0.242	2.9	1700	3.1	6.88					
9/26/2012	5 U	5 U	280	2.3 J	1.5 J	140	13	7.9	29	5 U	10	5 U	0.304	1.8	1400	2.6	6.48					
12/12/2012	5 U	1.1 J	230	2.7 J	1.6 J	120	16	13	40	5 U	11	5 UJ	0.158 J	2	1070	2.8	6.53					
4/2/2013	5 U	5 U	230	2.2 J	0.99 J	230	15	26	110	5 U	16	5 U	0.2 U	2.2	1030	27	6.92					
7/12/2013	5 U	5 U	250	2 J	0.97 J	170	13	32	370	5 U	11	5 U	0.0543 J	2.6	936	5	7.7					
10/17/2013	5 U	5 U	220	1.6 J	0.86 J	170	11	30	350	5 U	7.3	5 U	0.176 J	2.8	2350	5.9	6.25					
12/10/2013	5 U	1.3 J	180	5 U	5 U	81	9.7	21	310	5 U	4.9 J	5 U	0.072 J	4.1	673	4.9	6.91					
4/11/2014	1 UJ	1 U	150	1.1	0.59 J	130	8.9	28	840	1 U	4.8	1 U	0.4 U	5.1	783 J+	16	6.85					
8/15/2014	1 U	1 U	200	1.3	0.79 J	230	11	63	660	1 U	8.4	1 U	0.0838 J	5.4	855	7.1	6.58					
12/11/2014	1 U	1 U	170	0.96 J	1 U	190	16	51	1400	1 U	5.4	1 U	0.17 J	1.8	1070	8.7	6.79					
3/31/2015	1 U	0.68 J	180	1.1	0.68 J	160	11	62	1200	1 U	6.2	1 U	0.133 J	2.6	641	5.6	6.47					
10/14/2015	1 U	0.55 J	180	1	0.66 J	160	3.4 J	61	1400	1 U	4.9	1 U	0.232 J	3.2 J+			6.62					
5/11/2016	1.0 U	1.3	180	1.4	0.64 J	180	4.2 J	65	1100 D	1.0 U	9.6	1.0 U	0.0694 J	2.7	704	2.6	7.48					
9/27/2016	20 U	20 U	170	20 U	20 U	370	3.5	76	1400	20 U	11 J	20 U	0.100 U	3.1			6.88					

D Result reported from a secondary dilution analysis.
J Indicates an estimated value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
R The sample results are rejected.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-14D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/11/2003		5.0 U				5.0 U				5.0 U	5.0 U											
9/22/2003		5.0 U				5.0 U				5.0 U	5.0 U											
10/29/2003		5.0 U				5.0 U				5.0 U	5.0 U											
5/17/2004		5 U				5 U				5 U	5 U											
6/21/2004		5.0 U				5.0 U				5.0 U	5.0 U											
8/29/2005		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11.9	0.10 U	32.4	1.0 U	1.0 U	1.0 U										
9/20/2006	1 U	1 U	1 U	1 U	1 U	1 U				1 U	1 U	2 U										
5/30/2008	5 U	5 U	5 U	5 U	5 U	5 U				5 U	5 U											
5/28/2009	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	37	1.0 U	99	5.0 U	5.0 U	5.0 U	0.155		1060	2.5						
7/8/2010	5 U	5 U	5 U	5 U	5 U	5 U	35	5 U	95	5 U	5 U	5 U	0.186 J		1150	7						
9/1/2011	5 U	5 U	5 U	5 U	5 U	5 U	34	5 U	95	5 U	5 U	5 U	0.0915 J	2.6	1150 J	9.2	6.67					
3/26/2012	5 U	5 U	5 U	5 U	5 U	5 U	30	5 U	77	5 U	5 U	5 U	0.0327 J	1.8	1150	6.2	7.04					
6/27/2012	5 U	5 U	5 U	5 U	5 U	5 U	28	5 U	82	5 U	5 U	5 U	0.0966 J	2	1160 J	7.4	6.99					
9/27/2012	5 U	5 U	5 U	5 U	5 U	5 U	27	5 U	81	5 U	5 U	5 U	0.075 J	1.7	891	5.8	6.89					
12/13/2012	5 U	5 U	5 U	5 U	5 U	5 U	12	5 U	51	5 UJ	5 UJ	5 U	0.2 U	1.6	764	2.2	6.64					
4/8/2013	5 U	5 U	5 U	5 U	5 U	5 U	15	5 U	45	5 U	5 U	5 U	0.2 U	1.8	1050	3.8	7.29					
7/12/2013	5 U	5 U	5 U	5 U	5 U	5 U	6.8	5 U	35	5 U	5 U	5 U	0.2 U	2	948	1.1	7.49					
10/9/2013	5 U	5 U	5 U	5 U	5 U	5 U	4.3 J	5 U	28	5 U	5 U	5 U	0.4 U	2	875	0.69	7.14					
12/6/2013	5 U	5 U	5 U	5 U	5 U	5 U	9.8	5 U	52	5 U	5 U	5 U	0.4 U	3.5	1030	1.8	7.18					

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UJ The analyte was not detected. The reporting limit is an approximate value
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J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-15D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/16/2003		0.73 J				1.0 U				1.0 U	1.0 U											
9/23/2003		4000 D				220 DJ				980 D	220 DJ											
10/29/2003		3900				260				1300	250											
5/19/2004		1400				360				960	260											
6/21/2004		1000				160 J				530	150 J											
8/30/2005		49.8	5360	58.3	27.8	298	0.5	2.4	19.7	165	65.8	20 U		2.6	1610							
9/20/2006	10 U	10 U	3000	11	18	233	12 U	17 U	10	92	38	20 U		3	924							
5/27/2008	10 U	3.1 J	1400	9.1 J	9.3 J	170	1 J	3.7 J	33	36	20			3	950 J							
5/27/2009	25 U	25 U	790	5.6 J	5.6 J	520	1.0 U	7.8	34	25	20 J	25 U	0.291		960	1.0 U						
7/7/2010	5 U	1.8 J	310	2.9 J	3.1 J	220	5 U	4.8 J	23	23	16	5 U	0.276		922	0.37						
8/31/2011	10 U	4.5 J	1700	4.8 J	11	540	5 U	2.5 J	18	30	20	10 U	0.164 J	4.2	740	3.5	7.66					
3/29/2012	5 U	2.9 J	720	3.6 J	6.1	260	5 U	1.1 J	7.5 J	34	14	5 U	0.16 J	0.93 J	420 J	0.37	7.12					
6/19/2012	5 U	2.9 J	560	3.7 J	4.3 J	220	5 U	1.1 J	10 J	41	14	5 U	0.15 J	1.5	52.1	0.47	7.24					
9/26/2012	5 U	23	820	5.8	6.3	390	5 U	2.9 J	21	40	25	5 U	0.309	2.1	958	1.5	6.57					
12/3/2012	5 U	10	940	6.2	6.6	360	5 U	2.9 J	20	53 J	37	5 U	0.184 J	2.7	499	2.4	6.08					
4/2/2013	5 U	2.7 J	480	4.5 J	4.2 J	240	5 U	3.3 J	15	49	25	5 U	0.169 J	1.1	506	1.8	7.59					
7/9/2013	5 U	1.9 J	290	3.1 J	2.5 J	260	5 U	2.7 J	17	37	23	5 U	0.332	3.1	511	1.7	7.83					
10/9/2013	5 U	1.8 J	290	3.1 J	2.3 J	320	1 J	10	67	44	27	5 U	0.267 J	2.1	726	7.4	5.95					
12/4/2013	5 U	3.2 J	420	4.2 J	4.3 J	350	5 U	4.9 J	42	99	46	5 U	0.214 J	3.7	530 J	4.8	7.24					
4/8/2014	1 U	2.9	290	4.1	3.2	260	5 U	5.6	45	59	36	1 U	0.145 J	1.8	458	3.5	7.58					
8/18/2014	1 U	2.9	270	3.6	2.9	300	5 U	3.6 J	27	63	31	1 U	0.111 J	3	389	1.2	7.32					
12/5/2014	1 U	4.1	470	6.4	5	460	1.4 J	17	170	110	58	1 U	0.124 J	2.5	69.4	7.1	7.94					
3/27/2015	1 U	7.6	870	8.2	8.2	740	1.4 J	22	220 J	280	97	1 U	0.098 J	2.3	763	12.5	7.22					
10/13/2015	1 U	4.5	370	5.3	6.1	370	5 U	6.8	46	160	51	1 U	0.125 J	1.8			7.21					
5/11/2016	1.0 U	4.1	290 D	4.7	5.4	280	5.0 U	3.4 J	32	140	37	1.0 U	0.154 J	2.1	364	1.9	7.52					
9/27/2016	33 U	7.8 J	660	33 U	18 J	580	0.67	8.5	65	590	92	33 U	0.26	2.2			7.28					

D Result reported from a secondary dilution analysis.
J Indicates an estimated value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
R The sample results are rejected.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-16D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
9/15/2003		3.3				2				0.23 J	0.3 J											
9/23/2003		20				30				2.3 J	5.0 U											
10/29/2003		23 J				22 J				25 U	25 U											
5/18/2004		12 J				15 J				20 U	20 U											
6/21/2004		9.8 J				24 J				25 U	25 U											
8/30/2005		7.7	884	10.9	3 J	39.3				2.4 J	4.9 J	5.0 U										
9/22/2006	1 U	3	545	3	2	95	12 U	17 U	11.2	1 U	6	2 U										
5/27/2008	5 U	2.2 J	520	2.7 J	2.9 J	160	4.3 J	5.6	31	3.3 J	12											
5/27/2009	25 U	25 U	560	2.6 J	25 U	200	7	6.3	38	25 U	11 J	25 U	0.0723 J		1080	1.6						
7/7/2010	5 U	1.5 J	490	2.1 J	2.7 J	180	24	4.9 J	68	1.4 J	7.7	5 U	0.147 J		1090	3.6						
8/31/2011	5 U	2.4 J	420	2 J	2.8 J	170	10	5.4	35	15	11	5 U	0.249	4	1140	1.6	6.13					
3/26/2012	5 U	1.8 J	380	1.8 J	2.8 J	220	5.7	4.4 J	36	6.5	12	5 U	0.178 J	2.9	961	1.6	6.98					
6/22/2012	5 U	2.2 J	450	2 J	3 J	230	6.9	8.8	46	8.7 J	14	5 U	0.228	2.7	983 J	0.54	7.27					
9/26/2012	5 U	12	330	1.5 J	2.5 J	180	5.1	7.7	41	3.9 J	11	5 U	0.344	2.3	1040	1.3	6.53					
12/11/2012	5 U	1.5 J	290	1.1 J	1.6 J	130	9.9	10	72 J	2.5 J	11	5 U	0.327	2.5	1040	1.6	7.13					
4/2/2013	5 U	1.3 J	270	1.3 J	2 J	180	11	21	150	1.7 J	11	5 U	0.213	2.6	1020	1.8	7					
7/12/2013	5 U	1.2 J	250	1.4 J	1.6 J	140	8.1	16	150	0.98 J	9.3	5 U	0.213	2.8	974	1.9						
10/16/2013	5 U	1 J	230	1.3 J	1.6 J	190	5.5	17	180	5 U	8.1	5 U	0.162 J	2.3	1000	2.4	6.86					
12/10/2013	5 U	1.2 J	300	1.5 J	1.7 J	200	9.7	31	370	5 U	9.8	5 U	0.151 J	4.6	1060	3	6.81					
4/15/2014	1 U	0.89 J	250	1.2	1.3	190	10	29	260	1 U	7	1 U	0.0792 J	3.8	1010	1.9	7.1					
8/15/2014	1 U	0.95 J	250	1.2	1.4	190	8	18	220	1 U	6.5	1 U	0.156 J	4.9	972	2.4	6.77					
12/11/2014	1 U	0.8 J	200	0.86 J	1.1	150	9.6	17	190	1 U	4.9	1 U	0.13 J	1.3	902	1.9	7.05					
4/2/2015	1 U	0.77 J	220	1.4	1.1	260	16	37	390	1 U	6.7	1 U	0.117 J	2.5	1090	3.5	7.02					
10/13/2015	1 U	0.72 J	200	0.95 J	1.2	120	2.2 J	12	130	1 U	3.4	1 U	0.157 J	2.1			7.48					
5/11/2016	1.0 U	0.78 J	140	0.53 J	0.88 J	65	1.8 J	5.9	61	1.0 U	1.8	1.0 U	0.107 J	2	721	1.3	7.15					

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UJ The analyte was not detected. The reporting limit is an approximate value
J- Indicates estimated value, biased low
J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-17D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/12/2003		6.3				30				24	8.4											
9/22/2003		5.0 U				3.2 J				21	1.9 J											
10/29/2003		1.7 J				5.1				23	2.3 J											
5/18/2004		1.1 J				2.4 J				9.6	1.1 J											
6/22/2004		18				5.0 U				14	1.6 J											
8/29/2005		0.69 J	3.7	1.0 U	1.0 U	1.0 U				5	0.67 J	1.0 U										
9/22/2006	1 U	1 U	4	1 U	1 U	1 U				4	1 U	2 U										
5/28/2008	5 U	57	700	1.4 J	14	34				260	33											
5/28/2009	50 U	50 U	1300	50 U	11 J	600	4.1	6	80	230	62	50 U	0.0078 J		875	18						
10/8/2009	50 U	12 J	1100	2.6 J	8.6 J	430	4.8	6.5	85	170	49 J	50 U		5								
7/8/2010	5 U	9.8	1000	3.6 J	11	490	5.7	7.8	77	150	64	5 U	0.2 U		1090	15.7						
6/22/2011	5 U	12	250	5 U	4.5 J	44	5.3	5 U	61	120	12	5 U					6.92					
8/24/2011	50 U	220	4400	50 U	86	100	15	1.2 J	94	7200	210	50 U					6.97					
11/2/2011	8.8 J	350	2200	5.5 J	74	52	7.2	5 U	70	5800	150	13 U					6.99					
3/22/2012	1.4 J	6.2	450	1.7 J	12	43	6.7	5 U	65	730	41	5 U					7					
3/26/2012														3.4								
6/22/2012	1.2 J	6.1	350	1.6 J	16	85	6.9	5 U	68	660	41	5 U					6.92					
9/26/2012	5 U	6.4	240	1.2 J	7.9	110	6.2	1.4 J	51	420	37	5 U					6.76					
12/10/2012	5 UJ	5.9	170	1.1 J	4.6 J	79	6.7	1.6 J	61	330	35	5 UJ					6.97					
4/2/2013	5 U	3.4 J	75	5 U	2.8 J	50	4.1 J	1.4 J	59	210	29	1.7 J					7.41					
7/11/2013	5 U	2.6 J	47	5 U	2.3 J	47	3 J	2.5 J	55	130 J	31	1.3 J					7.04					
10/14/2013	5 U	2.3 J	39	5 U	1.5 J	50	4.2 J	11	110	110	31	2.8 J					7.04					
12/3/2013	5 U	2.2 J	33	5 U	1.2 J	39	3.4 J	4.3 J	72	83	29	3.6 J					6.96					
4/11/2014	1 UJ	1.7	19	1 U	1.5	30	2.6 J	17	280	50	29	4.2					6.68					
8/15/2014	1 U	1.6	18	1 U	1.1	35	3.2 J	6.9	100	45	26	3.2					6.8					
12/5/2014	1 U	1.3	13	1 U	0.93 J	28	2.7 J	13	95	39	22	4.3					6.98					
4/2/2015	1 U	0.9 J	9.9	1 U	1 U	22	3.3 J	8.2	130	23	15	3.9					6.8					
10/15/2015	1 U	0.67 J	7.2	1 U	1 U	12	2.9 J	6.5	75	11	11	2.5					8.12					
5/11/2016	1.0 U	1.0 U	4.6	1.0 U	1.0 U	4.7	2.2 J	1.5 J	65	5.5	7.5	2.1					7.36					
9/27/2016	1.0 U	0.33 J	5	1.0 U	1.0 U	8.1	1.2	2.7	38	1	7.8	3					7.18					

D Result reported from a secondary dilution analysis.
J Indicates an estimated value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
R The sample results are rejected.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-18D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
5/18/2004		5 U				5 U				5 U	5 U											
6/22/2004		3.1 J				5.0 U				5.0 U	5.0 U											
8/30/2005		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				1.0 U	1.0 U	1.0 U										
9/22/2006	1 U	1 U	1 U	1 U	1 U	1 U				1 U	1 U	2 U										
5/28/2008	5 U	5 U	5 U	5 U	5 U	5 U				5 U	5 U											
5/28/2009	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2	1.0 U	50	5.0 U	5.0 U	5.0 U	0.0077 U		1540	2.1						
7/9/2010	5 U	5 U	5 U	5 U	5 U	5 U	1.7 J	5 U	36	5 U	5 U	5 U	0.2 U		1870	2.8						
8/30/2011	5 U	5 U	5 U	5 U	5 U	5 U	1.9 J	5 U	32	5 U	5 U	5 U	0.2 U	4.4	1740	2.4	6.54					
3/28/2012	5 U	5 U	5 U	5 U	5 U	5 U	1.6 J	5 U	43	5 U	5 U	5 U	0.2 U	4.2	1750	5.4	6.76					
6/19/2012	5 U	5 U	5 U	5 U	5 U	5 U	1.2 J	5 U	47	5 U	5 U	5 U	0.2 U	4.4	1630	4.1	7.01					
9/25/2012	5 U	5 U	5 U	5 U	5 U	5 U	1.6 J	5 U	24	5 U	5 U	5 U	0.2 U	2.4	1530 J	1.9	7.14					
12/3/2012	5 U	5 U	5 U	5 U	5 U	5 U	1.5 J	5 U	43	5 U	5 U	5 U	0.2 U	3.6	1310	3.6	7.52					
4/2/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	29	5 U	5 U	5 U	0.2 U	3.2	1290	1.6	7.16					
7/19/2013	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	44	5 U	5 U	5 U	0.2 U	4.7	1420	5.1	6.63					
10/18/2013	5 U	5 U	1.1 J	5 U	5 U	5 U	5 U	5 U	9.2	5 U	5 U	5 U	0.4 U	3.4	976	0.54	7.03					
12/4/2013	5 U	5 U	1.3 J	5 U	5 U	5 U	5 U	5 U	15	5 U	5 U	5 U	0.4 U	4.3	860 J	0.52	7.16					
4/17/2014	1 U	1 U	0.93 J	1 U	1 U	1 U	5 U	5 U	20	1 U	1 U	1 U	0.4 U	4.6	1150	0.87	6.95					
8/15/2014	1 U	1 U	1.2	1 U	1 U	1 U	5 U	5 U	14	1 U	1 U	1 U	0.4 U	4.9	1070	0.45	6.91					
12/11/2014	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	26	1 U	1 U	1 U	0.4 U	2.6	1370	1.3	7					
3/31/2015	1 U	1 U	1 U	1 U	1 U	1 U	5 U	5 U	50	1 UJ	1 U	1 U	0.4 U	4	1470	2.5	6.82					
10/14/2015	1 U	1 U	1 U	1 U	1 U	1 U	1.7 J	5 U	57	1 U	1 U	1 U	0.4 U	4			6.63					
5/17/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	39	1.0 U	1.0 U	1.0 U	0.400 U	5.1	1570	2.5	6.92					

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-19D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
5/27/2004		5 U				4.6 J				5 U	5 U											
6/21/2004		1.3 J				3.1 J				5.0 U	5.0 U											
8/30/2005		1.0 U	10.3	1.0 U	1.0 U	7.6				1.0 U	0.61 J	1.0 U										
9/22/2006	1 U	1 U	23	1 U	1 U	14	12 U	17 U	10 U	1 U	1	2 U										
5/27/2008	5 U	5 U	42	5 U	5 U	6.5	5 U	5 U	21	5 U	1.3 J											
5/27/2009	5.0 U	5.0 U	58	5.0 U	5.0 U	10	1.0 U	1.0 U	23	5.0 U	1.7 J	5.0 U	3.01		3710	1.0 U						
7/7/2010	5 U	5 U	60	5 U	5 U	11	5 U	5 U	24	5 U	1.6 J	5 U	2.54		3170	0.16 U						
8/31/2011	5 U	5 U	39	5 U	5 U	3.5 J	5 U	5 U	19	5 U	5 U	5 U	2.72	8	3320	0.16 U	5.49					
3/23/2012	5 U	5 U	38	5 U	5 U	2.1 J	5 U	5 U	25	5 U	5 U	5 U	2.23	8.8	4060	0.16 U						
6/19/2012	5 U	5 U	34	5 U	5 U	1.4 J	5 U	5 U	19	5 U	5 U	5 U	2.26	8.7	3660	0.16 U	6.58					
9/21/2012	5 UJ	5 U	32	5 U	5 U	1.3 J	5 U	5 U	25	5 U	5 U	5 U	2.42	6.9	2950 J	0.16 U						
12/3/2012	5 U	5 U	26	5 U	5 U	1.9 J	1.9 J	5 U	27	5 UJ	5 U	5 U	4.15	7.9	3020	0.16 U	6.69					
4/2/2013	5 U	5 U	22	5 U	5 U	5 U	5 U	5 U	23	5 U	5 U	5 U	2.31	8.1	3120	0.16 U	7					
7/9/2013	5 U	5 U	19	5 U	5 U	5 U	5 U	5 U	20	5 U	5 U	5 U	2.36	9.2	3130	0.16 U	7.32					
10/9/2013	5 U	5 U	17	5 U	5 U	5 U	5 U	5 U	24	5 U	5 U	5 U	2.31	8.1	2670	0.16 U	5.46					
12/6/2013	5 U	5 U	17	5 U	5 U	5 U	5 U	5 U	22	5 U	5 U	5 U	2.19	10.9	2890	0.16 U	6.42					
4/16/2014	1 U	1 U	8.5	0.64 J	1 U	0.82 J	5 U	5 U	14	1 U	1 U	1 U	0.116 J	9.6	1690	0.16 U	7.06					
8/15/2014	1 U	1 U	11	1.2	1 U	0.6 J	5 U	5 U	20	1 U	1 U	1 U	1.91	11.3	2890	0.16 U	6.28					
12/5/2014	1 U	1 U	9.9	0.89 J	1 U	0.62 J	5 U	5 U	19	1 U	1 U	1 U	1.98	9.3	2890	0.16 U	7.22					
3/27/2015	1 U	1 U	9.4	0.82 J	1 U	0.52 J	5 U	5 U	9.1 J	1 U	1 U	1 U	0.333 J	5.9	1960	0.16 U	6.8					
10/13/2015	1 U	1 U	9.9	1 U	1 U	1 U	5 U	1.9 J	20	1 U	1 U	1 U	2.02	8.8			6.51					
5/11/2016	1.0 U	1.0 U	7	0.66 J	1.0 U	0.51 J	5.0 U	5.0 U	17	1.0 U	1.0 U	1.0 U	0.579	6.2	2870	0.10 U	6.65					
9/27/2016	1.0 U	1.0 U	7.2	0.52 J	1.0 U	0.41 J	0.50 U	0.50 U	9.1	1.0 U	1.0 U	1.0 U	1.7	7.1			6.53					

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UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-20D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
9/15/2005		30.8	1670	9.4	23.1	74.9	1.2	0.22	8.97	1830	207	1.0 U		2.5	852							
9/20/2006	50 U	50 U	14800	50 U	108	648	12 U	17 U	27.5	885	177	100 U		2.8	1200							
5/28/2008	50 U	11 J	5900	12 J	47 J	380				210	73											
5/27/2009	100 U	26 J	3100	12 J	22 J	1300	1	6	31	93 J	66 J	100 U	0.0077 U	2.9	558	3.1						
10/8/2009	50 U	5.8 J	1300	8.7 J	11 J	710	1.0 U	5.6	19	54	40 J	50 U		3.5								
7/12/2010	5 U	2.9 J	960	5.6	7.9	930	5 U	13	20	42	43	5 U	0.2 U	2.9	695	3.4						
6/22/2011	100 U	1200	24000	35 J	170	610	1.3 J	6.8	34	2900	290	100 U					6.84					
8/24/2011	100 U	160	24000	28 J	150	680	1.3 J	6.7	32	1900	260	100 U					7.15					
11/1/2011	50 U	20 J	5800	13 J	36 J	1400	5 U	5.5	20	550	81	50 U					7.18					
3/23/2012	130 U	850	13000	24 J	150	420	1.3 J	7.2	94	6200	1300	130 U		8.7			6.45					
6/20/2012	15	590	5200	19	180	160				14000 J	860	10 U										
6/26/2012							5 U	3.7 J	42								7.41					
9/25/2012	16 J	390	3500	12 J	150	160	5 U	2.7 J	23	9800	620	50 U										
12/11/2012	9.5 J	100	2800	9.5 J	240	120	5 U	2.9 J	33 J	7700	410	50 U					6.88					
4/11/2013	5.8 J	47	1700	8.6 J	53	330	1.4 J	22	190	3700	290	13 U					7.29					
7/18/2013	4.2 J	37	2700	9.7 J	65	470	1.6 J	16	170	4000	490	25 U					6.5					
10/16/2013	25 U	12 J	940	4.8 J	27	400	1.7 J	23	200	2000	170	25 U					6.92					
12/10/2013	1.7 J	9.1 J	630	4.5 J	23	380	2 J	31	260	1600	150	10 U					7.13					
4/15/2014	1.3	7.3	340	4.3	25	420	2.9 J	52	360	990	120	1 U					7.3					
8/18/2014	1.9 J	12	700	5.6	43	800	1.5 J	16	150	2300	230	2 U					7.03					
12/11/2014	1.9	9.4	220	3.5	13	500	2.1 J	31	210	890	96	1 U					7.06					
4/3/2015	1.3 J	7.4	150	3.3	6.2	500	3.9 J	70	360	560 J	78	2 U					7.24					
10/14/2015	1.9	9.4	170	3.7	20	390	2 J	49	230	970	110	1 U					6.95					
5/12/2016	5.0 U	14	450	4.1 J	37	740	5.0 UJ	8 J	57 J	2000 D	170	5.0 U					7.44					
9/27/2016	50 U	50 U	160	50 U	30 J	440	2.6	56	240	1100	100	50 U					6.97					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: MW-21D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
10/25/2006	20 U	20 U	3860	20 U	20 U	242	12 U	17 U	16.7	30	22	40 U		2.6	904							
5/28/2008	5 U	1.1 J	290	1.5 J	1.7 J	43	1.2 J	5.7	37	3.4 J	2.8 J			3.9	1040 J							
5/27/2009	5.0 U	0.67 J	110	0.63 J	0.67 J	48	1.0 U	4	40	2 J	2.1 J	5.0 U	0.623	4.8	1170	1.0 U						
7/12/2010	5 U	5 U	85	5 U	5 U	38	5 U	2.4 J	25	1.8 J	1.5 J	5 U	3.71	4.3	1140	0.057 J						
6/22/2011	25 U	25 U	2800	5 J	15 J	75	5 U	1.6 J	20	39	7.7 J	25 U					6.93					
8/24/2011	25 U	25 U	5100	8.2 J	21 J	530	5 U	5.3	28	140	19 J	25 U					7.04					
11/1/2011	25 U	6.6 J	4100	10 J	19 J	650	1.7 J	6.5	35	340	33	25 U					7.12					
3/23/2012	25 U	7.1 J	4800	8.4 J	17 J	610	5 U	6.4	40	290	34	25 U		0.88 J			6.59					
6/22/2012	25 U	15 J	3600	7.9 J	13 J	580	5 U	8	37	310 J	35	25 U					6.8					
9/18/2012	10 U	11	2600	9.8 J	15	580	2.3 J	9.7	50	180	32	10 U					7.26					
12/11/2012	10 U	3.1 J	2200	7.3 J	12	1000	3.8 J	12	46 J	240	35	10 U					7.36					
4/11/2013	5 U	5.4	780	5.3	7	730	5 U	11	36	260	41	5 U					7.15					
7/19/2013	5 U	2.8 J	380	3.3 J	8.1	600	5 U	12	30	160	29	5 U					8.49					
10/16/2013	5 U	4.3 J	660	4.7 J	6.4	690	1.4 J	23	120	160	36	5 U										
12/10/2013	5 U	4.2 J	680	3.4 J	5.6	550	1.5 J	19	64	130	29	5 U					7.13					
4/15/2014	1 U	4.6	530	3.9	13	450	1.7 J	34	200	290	35	1 U					7.53					
8/15/2014	1 U	3	590	3.7	7.5	460	5.3	15	190	160	32	1 U					7.8					
12/8/2014	1 U	4.6	1100	5.1	12	660	2.2 J	23	120	160	39	1 U					6.87					
4/3/2015	2 U	4.4	790	3.7	7.2	580	1.7 J	16	72	86 J	26	2 U					8.15					
10/14/2015	1 U	1.5	410	3	4.9	380	3.4 J	16	120	47	24	1 U					8.5					
5/12/2016	1.0 U	1.9	350 D	3.1	4.1	460 D	1.1 J	11	57	45	23	1.0 U					7.22					
9/27/2016	25 U	25 U	380	25 U	25 U	510	0.91	11	55	48	21 J	25 U					7.35					

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µg/L micrograms per liter
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cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR- 3SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
6/28/2011	25 U	9 J	7400	120	11 J	740	11 J	63 J	170 J	25 U	25 U	25 U	44.5	1030	11.3 J	0.84	5.99					
8/25/2011	10 U	10 U	4000	100	7 J	950	3.7 J	30	2300	10 U	10 U	10 U	131	2260	3.1 J	0.67	5.87					
11/8/2011	25 U	25 U	2300	80	25 U	1400	1.6 J	110	8800	25 U	25 U	25 U	146	1760	2.7 J	0.34	6.14					
3/23/2012	50 UJ	50 UJ	50 UJ	48 J	50 UJ	50 UJ	130	40	11000	50 UJ	50 UJ	14 J	86	39.3	5 U	0.16 J	6.52					
6/19/2012	5 U	5 U	0.81 J	48	5 U	1.8 J	42	5 U	13000	5 UJ	5 U	1.9 J	73.3	838	2 J	0.18	6.47					
9/21/2012	5 UJ	5 U	5 U	7	5 U	5 U	17	5 U	11000	5 U	5 U	5 U	48.7	293	5 UJ	0.14 J	6.38					
12/10/2012	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	99	1.2 J	15000	5 UJ	5 UJ	5 UJ	42.7	171	1.7 J	0.17	6.7					
4/4/2013	5 U	5 U	5 U	5 U	5 U	5 U	170	5 U	23000	5 U	5 U	5 U	37.7	69.4	276	0.39	6.5					
7/9/2013	50 U	50 U	50 U	50 U	50 U	50 U	120 J	5 U	20000	50 U	50 U	50 U	12.2	40.1	13.7	1.2	6.67					
10/9/2013	50 U	50 U	50 U	50 U	50 U	50 U	170	5 U	16000	50 U	50 U	50 U	22.3	53.8	5 U	0.66	5.38					
12/6/2013	5 U	5 U	5 U	5 U	5 U	5 U	180	5 U	15000	5 U	5 U	5 U	25.8	66.1	5 U	0.38	6.11					
4/11/2014	1 UJ	1 U	1 U	1 U	1 U	1 U	140	4.6 J	17000	1 U	1 U	1 U	11.3	21.8	27.1 J+	3.6	6.23					
8/20/2014	1 U	1 U	1 U	1 U	1 U	1 U	160	1.8 J	16000	1 U	1 U	1 U	20.2	26.1	5 U	0.64	6.37					
12/5/2014	1 U	1 U	1 U	1 U	1 U	1 U	130	5 U	16000	1 U	1 U	1 U	26.3	33.6	1.8 J	0.5	6.34					
3/26/2015	1 U	1 U	0.69 J	1 U	1 U	1 U	100	5 U	23000	1 U	1 U	1 U	22.7	24.6	148	0.71	6.08					
10/21/2015	1 U	1 U	1.3	1 U	1 U	0.83 J	58	5 U	10000	1 U	1 U	1 U	26.2	32.1			6.2					
5/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	63	5.0 U	13000 D	1.0 U	1.0 U	1.0 U	31.8	32.3	2.2 J	0.34	6.25					

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s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR- 4SM

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
6/28/2011	10 U	19	1100	11	5.5 J	81	2 J	5.4	1500	77	97	3.9 J	91.7	1560	17.1 J	1.6	6.01					
8/25/2011	50 U	50 U	1200	21 J	50 U	120	5 U	5 U	7800	50 U	50 U	50 U	73.1	993	1.8 J	0.34	6.3					
11/9/2011	25 U	25 U	25 U	17 J	25 U	25 U	3.5 J	15	12000	25 U	25 U	25 U	46.4	352	2.7 J	0.19	6.23					
3/23/2012	50 U	50 U	50 U	13 J	50 U	50 U	3.3 J	5 U	12000	50 U	50 U	50 U	42.6	98.6	1.6 J	0.21	6.12					
6/19/2012	5 U	5 U	5 U	13	5 U	5 U	2.2 J	5 U	12000	5 U	5 U	5 U	42.7	84.7	2.2 J	0.21	6.43					
9/21/2012	5 UJ	5 U	5 U	5.6	5 U	5 U	2.9 J	5 U	11000	5 U	5 U	5 U	41.8	79.7	5 UJ	0.18	6.64					
12/10/2012	5 UJ	5 U	5 U	1.5 J	5 U	5 U	2.6 J	5 U	3500	5 U	5 U	5 UJ	42	68.3	1.8 J	0.16 J	6.51					
4/4/2013	5 U	6.9	1 J	5 U	5 U	5 U	1.4 J	5 U	8100	5 U	5 U	5 U	48.2	54.6	2.8 J	0.15 J	6.39					
7/9/2013	50 U	50 U	50 U	50 U	50 U	50 U	2.5 J	5 U	12000	50 U	50 U	50 U	46.4	52	5.2	0.29						
10/14/2013	5 UJ	8.4 J	5 UJ	5 UJ	5 UJ	5 UJ	1.6 J	5 U	9200	5 UJ	5 UJ	5 UJ	43.7	62.8	14.7	0.21	6.5					
12/6/2013	5 U	2.3 J	5 U	5 U	5 U	5 U	1.9 J	5 U	14000	5 U	5 U	5 U	40.1	71.9	11.9	0.23	6.22					
4/11/2014	1 UJ	1 U	1 U	1 U	1 U	1 U	2.9 J	5 UJ	17000 J	1 U	1 U	1 U	27.7	58.3	165 J+	0.67	6.22					
8/20/2014	1 U	1 U	1 U	1 U	1 U	1 U	9.8 J	5 UJ	12000 J	1 U	1 U	1 U	34.3	56.1	5 U	0.34	6.16					
12/5/2014	1 U	1 U	1 U	1 U	1 U	1 U	2.4 J	5 UJ	13000 J	1 U	1 U	1 U	32.9	60.7	15.6	0.64	6.53					
3/27/2015	1 UJ	1 UJ	0.94 J	0.8 J	1 UJ	1.4 J	5 U	5 U	18000 J	1 UJ	1 UJ	1 UJ	17.9	42	122	3	6.2					
10/21/2015	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	2.3 J	5 U	7700	1 UJ	1 UJ	1 UJ	24.3	40.3			6.24					
5/6/2016	0 R	0 R	0 R	1.2 J	0 R	0 R	3.4 J	2 J	13000 D	0 R	0.52 J	0 R	16.9	36.1	36.4	2.4 J	6.43					
9/28/2016	1.0 UJ	1.0 UJ	1.0 UJ	0.85 J	1.0 UJ	1.0 UJ	1.5 J	2.5 UJ	3800 J	1.0 UJ	0.34 J	1.0 UJ	16	38			6.68					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR- 5SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
7/5/2011	25 U	25 U	3100	31	5.4 J	350	3.3 J	48	3200	25 UJ	25 U	25 U	2.53	281	15	26.3	5.82	5.8E+02	1.9E+04	4.3E+03	1.3E+03	6.6E+03
8/29/2011	5 U	5 U	42	32	5 U	63	21	610	7600	5 U	2.4 J	5 U	0.676	203	12.4	49.6	6.54	5.4E+03	2.3E+03	1.7E+05	6.4E+03	7.6E+04
11/1/2011	5 U	5 U	2.9 J	28	5 U	9.4	220	440	14000	5 U	1.9 J	5 U	1.5	213	4.1 J	8.6	6.61	2.0E+03	1.6E+04	6.1E+04	2.5E+04	1.3E+05
3/21/2012	5 U	5 U	43	65	5 U	45	400	450	15000	5 U	2.3 J	1.8 J	12.1	258	2.4 J	4.2	5.87	2.2E+04	2.1E+03	3.8E+05	2.2E+04	3.7E+05
6/20/2012	5 U	5 U	5.3	56	5 U	11	130	76	12000	5 UJ	1.7 J	1.9 J	11.3	139	5 U	3.1	6.38	2.6E+03	1.0E+03	4.8E+04	2.8E+03	9.1E+04
9/19/2012	5 U	5 U	2.3 J	4.9 J	5 U	16	110	23 J	12000	5 U	1.2 J	2.1 J	5.4	36.4	5 UJ	1.3	6.4	2.5E+02	6.0E+02	2.0E+03	7.9E+02	7.1E+03
12/4/2012	5 U	5 U	2.6 J	5 U	5 U	13	190	20	15000	5 U	1.2 J	5 U	6.52	32.5	1.9 J	1.2	6.38	3.0E+02	4.6E+01	6.1E+03	3.6E+02	1.4E+02
4/3/2013	5 U	5 U	72	2.6 J	5 U	230	380	400	28000 J	5 U	5 U	1.6 J	11.5	12.8	276	1.7	6.68	1.3E+04	3.4E+02	1.1E+05	5.9E+03	8.7E+02
7/10/2013	5 U	5 U	5 U	5 U	5 U	1.8 J	350	9.5	18000	5 U	1.4 J	1.4 J	3.08	20.1	3.3 J	3.6	6.5	1.8E+03	1.4E+02	1.8E+04	2.0E+03	3.1E+03
10/10/2013	5 U	5 U	5 U	5 U	5 U	5 U	130	1.7 J	16000	5 U	1.6 J	5 U	7.77	21.7	5 U	1.7	6.16	2.0E+03	5.9E+02	3.2E+04	4.3E+03	6.0E+02
12/5/2013	5 U	5 U	1.3 J	5 U	5 U	2.3 J	180	6.6	16000	5 U	1.2 J	1 J	10.7	29.8	9.4	1.1	6.15	1.6E+03	7.9E+01	4.4E+03	8.0E+02	3.3E+02
4/9/2014	1 U	1 U	3.4	3.5	1 U	8	800	150	24000	1 U	1.1	1.2	7.01	12.9	174	2.4	6.08	3.4E+03	6.6E+01	7.8E+03	2.5E+01	8.3E+03
8/13/2014	1 U	1 U	1 U	1 U	1 U	1 U	220	2.9 J	19000	1 U	1.3	1.8	7.62	20.9	5 U	1.4	6.15	1.0E+04	6.0E+02	1.7E+05	1.3E+02	1.1E+04
12/3/2014	1 U	1 U	1 U	1 U	1 U	1 U	130	1.8 J	18000	1 U	0.61 J	0.8 J	13	18.5	5 U	0.46	5.69	1.8E+04	3.3E+02	1.3E+05	3.5E+02	5.6E+03
3/24/2015	1 U	1 U	4.5	0.93 J	1 U	13	200	42	10000 J	1 U	0.65 J	1 U	14.1	17	73.5	0.56	6.28	2.8E+03	1.1E+02	1.1E+04	2.6E+01	1.0E+03
10/20/2015	1 U	1 U	1 U	1 U	1 U	1 U	83	1.1 J	13000	1 U	1 U	1 U	9.74	21.2			5.89					
5/5/2016	1.0 U	1.0 U	1.0 U	0.52 J	1.0 U	1.0 U	190	19	19000 D	1.0 U	1.0 U	1.0 U	3.57	9	25	16.2	6.31	1.4E+03	5.5E+03	9.7E+04	7.0E+01	1.8E+04

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J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR- 6SM

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
7/5/2011	25 UJ	10 J	4500 J	62 J	8.2 J	530 J	3.4 J	11 J	810 J	25 UJ	22 J	25 UJ	97.7	1420	263	1.2	5.46	1.3E+01	1.0E+04	1.4E+01	5.3E+00	9.7E+00
8/29/2011	25 U	25 U	2500	34	25 U	430	5 U	12	6600	25 U	7.3 J	10 J	143	1730	6.3	0.49	6.26	2.4E+03	1.5E+04	1.4E+04	1.3E+03	3.6E+03
11/1/2011	5 U	5 U	78	52	5 U	130	6.8	250	7000	5 U	5.2	16	97.7	982	4.7 J	0.9	6.73	1.1E+05	1.3E+04	5.5E+05	8.5E+04	1.6E+06
3/22/2012	50 UJ	50 UJ	530 J	56 J	50 UJ	420 J	49	140	13000	50 UJ	50 UJ	50 UJ	62.9	336	45	0.91	6.26	5.6E+04	1.0E+04	8.8E+05	2.8E+04	8.5E+05
6/21/2012	50 UJ	50 UJ	950 J	110 J	50 UJ	420 J	94 J	180 J	8000	50 UJ	50 UJ	19 J	45.4	243	6.5 J	3.4	6.43	2.6E+04	3.2E+03	8.5E+05	8.8E+03	6.3E+05
9/19/2012	5 U	5 U	3.8 J	12	5 U	4.4 J	42	5 U	8600	5 U	5 U	3.9 J	45.6	150	5 UJ	0.31	6.55	8.9E+02	5.0E+02	1.5E+04	7.1E+02	5.4E+04
12/4/2012	5 U	5 U	81	13	5 U	74	71	20	13000	5 U	5 U	2.7 J	38	91	53.6	1.4	6.5	1.0E+03	4.8E+02	2.9E+04	4.5E+02	3.0E+03
4/3/2013	5 U	3.6 J	8900	260	7.3	3000	1000	660	10000 J	3.6 J	12	5 U	15.2	64.9	254	18.4	6.8	3.8E+03	1.8E+03	5.1E+05	1.3E+04	4.9E+03
7/10/2013	13 U	9.3 J	10000	330	6.7 J	3100	900	670	9000	13 U	14	13	7.15	85	90.2	31.6	6.78	1.4E+03	1.8E+02	2.5E+04	7.0E+03	7.4E+03
10/10/2013	50 U	50 U	120	36 J	50 U	77	130 J	240 J	9500 J	50 U	50 U	50 U	7.04	88.3	4 J	10	6.52	1.4E+03	4.7E+02	1.1E+05	3.8E+04	1.3E+03
12/5/2013	5 U	5 U	800	32	5 U	180	88	74	12000	5 U	2.3 J	3.1 J	7.06	62.9	43.5	6.3	6.47	3.2E+03	3.2E+02	5.6E+04	4.6E+04	1.1E+04
4/9/2014	5 U	5 U	3800	90	4.8 J	1200	220 J	220 J	8300 J	5 U	4.5 J	3.6 J	7.61	48.3	143	15.7	6.36	2.5E+03	2.4E+02	3.2E+04	1.0E+03	1.7E+04
8/14/2014	5 U	4.6 J	3900	120	5 U	870	240	310	8500	5 U	6.2	5 U	4.66	50.8	37.4	28.6	6.41	2.1E+04	7.7E+02	7.6E+05	1.6E+03	5.5E+04
12/3/2014	1 U	1.8	2400	64	1.5	590	220 J	330 J	14000 J	1 U	3	2.4	3.8	44.3	76.8	17.4	6.16	1.8E+04	1.3E+02	1.5E+05	8.8E+02	4.6E+03
3/24/2015	5 U	11	15000	250	14	3700	730	780	17000 J	5 U	9.1	5 U	1.53	33.2	259	32.3	6.42	9.3E+03	1.4E+02	3.1E+05	2.8E+03	2.9E+04
10/20/2015	5 UJ	5 UJ	1700 J	57 J	5 UJ	500 J	300	280	8700	5 UJ	2.7 J	5 UJ	1.48	40.7			6.11					
5/5/2016	0 R	2.8 J	4600 DJ	100 J	1.5 J	1100 DJ	410 D	280 D	12000 D	0 R	4.4 J	4.9 J	3.97	32.9	125	30.5	6.44	2.1E+04	3.9E+03	6.0E+05	1.4E+03	1.0E+05
9/26/2016	17 UJ	17 UJ	350 J	14 J	17 UJ	83 J	47	23	2100 D	17 UJ	17 UJ	17 UJ	1.7	38			6.51					

D Result reported from a secondary dilution analysis.
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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR- 9SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/28/2011	10 U	6.6 J	870	22	10 U	190	2.8 J	6.1	1700	10 U	10 U	10 U	9.48	830	24.6 J	18.6	5.8					
8/26/2011	25 U	95	8400	38	43	1100	2.7 J	58	4200	320	230	27	35.7	1290	66.5	6.4	5.71					
11/4/2011	5 U	5 U	26	10	5 U	18	16	78	11000	5.3	44	74	7.49	384	6.5	11.7	6.54					
3/23/2012	5 U	1.1 J	38	3.9 J	5 U	23	35	30	17000	4.4 J	6.5	13	0.0153 J	56.4	48.6	99.7	6.77					
6/27/2012	50 U	16 J	4000	19 J	12 J	910	14	170	13000	73	25 J	20 J	0.195 J	172	115 J	34.2	6.44					
9/21/2012	5 UJ	1.1 J	300	5.2	2 J	150	8	46	12000	9.9	7.4	14	0.164 J	67.1	30.6 J	25.8	6.22					
12/6/2012	5 U	1.7 J	350	3.3 J	2.2 J	130	6.6	29	14000	17	7.1	14	0.2 U	26.6	82.4	42.7	6.42					
4/5/2013	5 U	1.5 J	530	3.8 J	2.3 J	290	50	160	16000 J	13	6.7	4 J	0.2 U	13.9	172	104	7.07					
7/17/2013	5 U	4.1 J	1900	11	8.3	560	9.8	66	17000	29	13	4.1 J	0.2 U	19.4	97.6	60.9	6.67					
10/17/2013	5 U	5 U	5 U	5 U	5 U	1.6 J	8.1	6.8	13000	5 U	5 U	2.6 J	0.462	13.9	30.8	28.3	6.5					
12/10/2013	5 U	5 U	2.1 J	5 U	5 U	5.3	25	9.8	22000	5 U	5 U	1.6 J	0.4 U	10.1	32.2	37.6	6.84					
4/14/2014	1 U	1 U	1.6	1 U	1 U	3.2	15	7.3	4700	1 U	1 U	1 U	0.212 J	6.1	219	7.9	7.25					
8/20/2014	1 U	1 U	3.4	0.78 J	1 U	4.2	20	16	18000	1 U	1.3	1 U	0.4 U	15.7	27.1	74.5	6.71					
12/8/2014	1 U	1 U	1 U	1 U	1 U	1.4	20	8.8	19000	1 U	1 U	2.1	0.0716 J	10.1	57.2 J	29.6	6.53					
3/27/2015	1 U	1 U	3.2	0.54 J	1 U	8.1	40	26	14000 J	1 U	0.77 J	1 U	0.67 J	9.4	304	12.5	6.86					
10/20/2015	1 U	1 U	7.3 J	0.82 J	1 U	6.1 J	6.1	18	11000 J	1 U	1.2	2.1 J	0.143 J	14.7			5.79					
5/6/2016	1.0 U	1.0 U	2.8	1.0 U	1.0 U	3.2	17	7.2	8500 D	1.0 U	0.53 J	1.0 U	0.400 U	4.8	185	28.9	7.51					

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR-10SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
6/25/2011																	6.08					
6/28/2011	5 UJ	3.1 J	270 J	3.6 J	2.6 J	37 J	1.5 J	3.5 J	690 J	14 J	42 J	1.9 J	98.2	1650	287 J	1.7						
8/26/2011	50 U	50 U	940	11 J	50 U	210	1.2 J	13	5200	28 J	73	15 J	113	1690	17.6	0.62	4.79					
11/4/2011	5 U	5 U	3.2 J	5.9	5 U	5.1	11	18	13000	5 U	9.5	39	62.6	616	4 J	0.14 J	6.86					
3/23/2012	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	9.5	5 U	9500	50 UJ	50 UJ	28 J	25.8	154	38.5	1.2	6.32					
6/27/2012	5 UJ	5 UJ	5 UJ	2.5 J	5 UJ	5 UJ	6.3 J	5 UJ	11000	5 UJ	5 UJ	12 J	14.6	102	27.8 J	3.1	6.9					
9/21/2012	5 UJ	5 U	5 U	2.8 J	5 U	5 U	14	5 U	7000	5 U	5 U	15	12	83.8	5 UJ	1	6.93					
12/7/2012	5 U	5 U	3.4 J	5 U	5 U	13	11	16 J	12000	5 U	5 U	5.2 J	8.93	39.5	34.1	1.6	6.47					
4/5/2013	5 U	5 U	5 U	0.84 J	5 U	5 U	30	1.2 J	18000 J	5 U	5 U	12	4	31.2	226	13.5	6.48					
7/17/2013	5 U	5 U	5 U	0.84 J	5 U	5 U	11	5 U	10000	5 U	1.1 J	5.5	1.96	33.7	107	25.6	6.66					
10/8/2013	50 U	50 U	55	50 U	50 U	170	19	130	16000	50 U	50 U	50 U	1.94	30.8	16.1	16.9	6.5					
12/10/2013	5 U	5 U	5 U	5 U	5 U	5 U	15	5 U	17000	5 U	5 U	2.5 J	4.63	28.1	73.3	6.7	6.56					
4/16/2014	1 U	1 U	1 U	3.3	1 U	1.5	65	200	21000	1 U	3	5	0.655	14.6	70.8	100	6.83					
8/20/2014	1 U	1 U	1 U	2.6	1 U	1.2	34	46	10000	1 U	0.94 J	3.9	1.17	32.8	32.9	23.4	6.65					
12/8/2014	1 U	1 U	1 U	1 U	1 U	1 U	8.3	5 U	12000	1 U	1 U	1 U	3.7	12.4	42.5	1.8	6.64					
3/27/2015	1 U	1 U	290	3	1.3	290	30	120	15000 J	1.1	6.3	1.3	14.2	18	363	7	7.19					
10/16/2015	1 U	1 U	1 U	1 U	1 U	1 U	4.8 J	2.5 J	6600	1 U	1 U	1 U	2.63	16.1			7.11					
5/6/2016	1.0 U	1.0 U	77	3.9	1.0 U	65	55	200	18000 D	1.0 U	5.3	6.4	2.25	13.4	153	64	7.33					
9/28/2016	50 U	50 U	1100	50 U	50 U	450	13	57	4100	50 U	50 U	50 U	0.79	15			6.72					

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UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR-13SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/30/2011	10 U	14	900	10	7.8 J	210	1.7 J	12	240	35	150	2.8 J	121	1710	357 J	1.4 J	5.49	3.7 U	22.2 U	3.7 U	3.7 U	3.7 U
8/29/2011	50 U	50 U	460	8.6 J	50 U	160	5 U	23	4500	50 U	95	47 J	135	1830	17	0.67	6.27	3.3E+02	1.0E+04	1.6E+04	1.5E+04	1.3E+04
11/2/2011	25 U	25 U	66	6.3 J	25 U	59	1.3 J	23	8300	25 U	25	43	102	1020	2.5 J	0.42	6.7	1.5E+02	1.2E+03	4.3E+04	9.2E+04	6.4E+04
3/22/2012	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	8.6	21	6800	50 UJ	50 UJ	62 J	70.6	233	19	1.3	6.27	3.6E+02	7.6E+03	7.0E+05	4.9E+04	3.2E+05
6/21/2012	5 U	5 U	0.91 J	11	5 U	5 U	7.4	6.8	7700	5 UJ	6.9	44	51	192	14.2 J	0.63	6.49	1.4E+02	3.0E+03	1.0E+05	7.1E+03	8.0E+04
9/20/2012	25 U	25 U	25 U	25 U	25 U	25 U	3.3 J	5 U	6800	25 U	25 U	18 J	53.3	146	5 U	0.21	6.39	2.0E+01	6.4E+02	1.2E+04	1.4E+03	1.3E+04
12/4/2012	5 U	5 U	5 U	2.2 J	5 U	5 U	4.3 J	5 U	13000	5 U	5 U	16	37	95.4	14.6	0.79	6.93	7.0E+00	1.2E+02	1.1E+03	5.2E+01	8.2E+00
4/4/2013	5 U	5 U	5 U	1.8 J	5 U	5 U	7.7	5.2	15000	5 U	1.9 J	17	25.5	54.9	50	11.4	6.58	2.5E+01	1.6E+03	6.1E+03	7.0E+02	1.6E+01
7/15/2013	5 U	1.2 J	5 U	1.1 J	5 U	5 U	1.9 J	1.1 J	8200	5 U	5 U	13	18.7	54.8	3.5 J	6	6.6	1.4E+02	3.7E+02	1.3E+02	4.7E+01	5.9E+00
10/10/2013	50 U	50 U	50 U	50 U	50 U	50 U	2.7 J	1.9 J	12000	50 U	50 U	50 U	20.1	51.3	13.4	4.5	6.4	5.7E+00	1.0E+03	1.1E+03	2.8E+02	8.2E+00
12/4/2013	25 U	25 U	25 U	25 U	25 U	25 U	3.1 J	5 U	12000	25 U	25 U	6.7 J	23.1	56.9	2.5 J	1.6	6.58	1.4E+00	3.0E+02	5.3E+02	2.2E+01	4.3E+01
4/8/2014	1 U	1 U	1 U	0.94 J	1 U	0.86 J	17	17	17000	1 U	2	6.8	13	32.1	176	10	6.45	1.4E+01	4.3E+02	5.2E+02	6.5E+00	4.6E+02
8/13/2014	1 U	1 U	1 U	0.79 J	1 U	0.53 J	14	3.4 J	16000	1 U	1 U	7.4	8.12	45.9	28.3	17.7	6.25	2.8E+01	4.3E+02	1.3E+04	1.8E+01	5.2E+02
12/8/2014	1 U	1 U	1 U	1 U	1 U	1 U	6	5 U	14000	1 U	1 U	3.2	14.7	41.1	211	1.4	6.26	1.6E+01	6.7E+02	2.9E+03	2.3E+01	1.9E+01
3/24/2015	1 U	1 U	1.3	0.84 J	1 U	2.5	30	17	18000 J	1 U	1.3	4.3	10.5	26.9	211	6.1	6.35	7.8E+01	8.1E+02	1.5E+04	1.2E+02	7.4E+02
10/16/2015	20 U	20 U	20 U	20 U	20 U	20 U	2 J	1.7 J	10000	20 U	20 U	20 U	13.4	34.1			6.24					
5/5/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.5	1.4 J	18000 D	1.0 U	1.0 U	1.3	8.01	24.3	8.1	13.8	6.65	1.4E+01	3.4E+03	1.6E+04	3.6E+01	1.6E+03

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR-14SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
6/30/2011	10 U	10 U	450	2.9 J	10 U	17	1.5 J	2.4 J	6300	10 U	10 U	10 U	136	2030 J	11 J	0.52 J	5.28	7.4E+00	5.3E+03	4.1 J	4.3 U	4.3 U
8/23/2011																	6.43					
8/25/2011	50 U	50 U	350	50 U	50 U	50 U	5 UJ	5 UJ	5500 J	50 U	50 U	50 U	122	1870	2.1 J	0.15 J		1.9E+02	1.1E+04	9.7E+02	3.2E+02	4.1E+03
11/2/2011	25 U	25 U	25 U	25 U	25 U	25 U	5 UJ	1.9 J	9300	25 U	25 U	25 U	76.5	426	3.1 J	0.12 J	6.97	5.3E+02	2.4E+03	5.0E+04	1.4E+04	2.0E+05
3/21/2012	50 U	50 U	50 U	50 U	50 U	50 U	1.2 J	5 U	8500	50 U	50 U	50 U	68.2	193	33.3 J	0.11 J	6.07	1.1E+03	1.5E+04	1.8E+05	2.6E+04	3.1E+05
6/25/2012	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	4.1 J	2.3 J	13000	50 UJ	50 UJ	50 UJ	52.6	171	240	1.4	6.67	4.1E+01	1.9E+03	1.7E+04	9.9E+02	3.0E+04
9/20/2012	50 U	50 U	50 U	50 U	50 U	50 U	2.6 J	5 U	7700	50 U	50 U	50 U	40.1	162	51.9	2.7	6.8	1.1E+01	5.0E+02	3.9E+03	2.5E+02	4.3E+03
12/5/2012	25 U	25 U	25 U	25 U	25 U	25 U	2.5 J	2.6 J	12000	25 U	25 U	25 U	38.3	143	197	4.8	6.24	9.7E+01	2.7E+02	2.5E+03	2.6E+02	1.7E+03
4/4/2013	5 U	5 U	5 U	0.86 J	5 U	5 U	5.8	5.2	15000	5 U	5 U	5 U	17.9	68.1	231	7.4	6.6	7.4E+01	2.1E+03	1.1E+04	9.9E+02	5.1E+01
7/16/2013	25 U	25 U	25 U	25 U	25 U	25 U	5.8	6.9	13000	25 U	25 U	25 U	5.25	101	328	13.4	6.68	1.4E+02	5.3E+02	1.7E+03	1.4E+02	1.3E+02
10/10/2013	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	14 J	14 J	12000 J	50 UJ	50 UJ	50 UJ	5.14	79.8	19.6	8.4	6.58	3.3E+02	1.2E+03	6.2E+03	6.6E+02	1.0E+02
12/4/2013	25 U	25 U	25 U	25 U	25 U	25 U	8.1	6.7	12000	25 U	25 U	25 U	3.63	83.1	265 J	33.5	6.61	1.6E+03	9.2E+02	7.8E+03	2.0E+02	1.4E+03
4/9/2014	1 U	1 U	1 U	0.62 J	1 U	1.4	8.3 J	5.1 J	15000 J	1 U	1 U	1 U	2.84	81.8	48.9	37.5	6.62	5.7E+02	7.4E+03	7.1E+02	4.1E+01	5.1E+02
8/14/2014	1 U	1 U	3.9	1 U	1 U	14	9.7	19	18000	1 U	1 U	1 U	2.23	52	130	21.2	6.19	8.7E+02	2.8E+02	4.3E+04	2.0E+01	2.6E+03
12/3/2014	1 U	1 U	1 U	1 U	1 U	1.2	4.7 J	1.8 J	16000	1 U	1 U	1 U	4.45	16.5	277	32.9	6.43	1.4E+02	5.7E+02	1.5E+04	1.3E+01	3.5E+02
3/24/2015	1 U	1.3	14	1 U	1 U	10	33	16	16000 J	1 U	1 U	1 U	1.28	33.1	159	61.7	7.14	1.4E+02	3.9E+02	3.5E+03	1.5E+01	2.8E+02
10/19/2015	1 U	1 U	1 U	1 U	1 U	1 U	2.1 J	5 U	9800	1 U	1 U	1 U	2.04	14.3			5.94					
5/5/2016	1.0 U	1.0 U	2.1	1.0 U	1.0 U	4.1	2 J	5.8	16000 D	1.0 U	1.0 U	1.0 U	1.79	8.5	189	12.4	6.9	2.8E+01	1.6E+04	4.4E+03	9.7E+00	4.1E+02
9/26/2016	1.0 U	1.0 U	0.28 J	1.0 U	1.0 U	0.65 J	0.81	1.5	5800 D	1.0 U	1.0 U	1.0 U	1.6	13			6.65					

D Result reported from a secondary dilution analysis.
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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR-15SM

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
6/28/2011	5 U	4.6 J	120	2.4 J	5 U	50	3 J	7.2 J	1900 J	5 U	5 U	5 U	167	2190	11 J	0.5	6.5					
8/26/2011	50 U	50 U	180	50 U	50 U	58	5 UJ	2.2 J	7200 J	50 U	50 U	50 U	167	2060	1.9 J	0.12 J	5.15					
11/7/2011	25 U	25 U	25 U	4.3 J	25 U	25 U	2.5 J	8.2 J	9000	25 U	25 U	25 U	106	682	5 U	0.16 U	6.75					
3/28/2012	50 U	50 U	50 U	50 U	50 U	50 U	3.6 J	5 U	8200	50 U	50 U	50 U	95.7	270	2.2 J	0.071 J	6.51					
6/19/2012	5 U	5 U	5 U	2 J	5 U	5 U	1.7 J	5 U	8300	5 U	5 U	5 U	67.3	267	5 U	0.16 U	6.64					
9/21/2012	5 UJ	5 U	5 U	5 U	5 U	5 U	2.3 J	5 U	11000	5 U	5 U	5 U	68.8	237	5 UJ	0.16 U	6.98					
12/11/2012	5 U	5 U	5 U	5 U	5 U	5 U	1.8 J	5 U	11000 J	5 U	5 U	5 U	76.3	250	5 U	0.16 U	6.98					
4/8/2013	5 U	5 U	5 U	5 U	5 U	5 U	2.3 J	5 U	17000	5 U	5 U	5 U	78.6	177	5 U	0.16 U	6.79					
7/19/2013	50 U	50 U	50 U	50 U	50 U	50 U	1.4 J	5 U	10000	50 U	50 U	50 U	71.4	173	5 U	0.055 J	6.54					
10/9/2013	250 UJ	250 UJ	250 UJ	250 UJ	250 UJ	250 UJ	1.1 J	5 U	14000	250 UJ	250 UJ	250 UJ	71.3	171	5 U	0.16 U	6.51					
12/9/2013	50 U	50 U	50 U	50 U	50 U	50 U	2.2 J	5 U	11000	50 U	50 U	50 U	72.7	170	5 U	0.16 U	6.75					
4/15/2014	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	1.9 J	5 UJ	15000 J	10 UJ	10 UJ	10 UJ	69.8	120	7.4	0.078 J	6.6					
8/20/2014	10 U	10 U	10 U	10 U	10 U	10 U	7.6 J	5 UJ	11000 J	10 U	10 U	10 U	66	136	5 U	0.069 J	6.34					
12/2/2014	1 U	1 U	1 U	1 U	1 U	1 U	2.5 J	5 UJ	11000 J	1 U	1 U	1 U	67.9	141	2.1 J	0.16 U	5.85					
3/27/2015	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	5 U	5 U	19000 J	1 UJ	1 UJ	1 UJ	62.7	93.1	5.1	0.12 J	7.22					
10/19/2015	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	1.3 J	5 U	9100	5 UJ	5 UJ	5 UJ	60.2	99			6.8					
5/13/2016	0 R	0 R	0 R	0 R	0 R	0 R	2.7 J	5.0 U	12000 D	0 R	0 R	0 R	55.5	83.6	3 J	0.13 J	6.8					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: OR-18SM

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
6/28/2011	5 U	2.3 J	370	6.6	5 U	180	5.5	20	2800	5 U	1.3 J	5 U	21.2	549	968 J	27	6.84					
8/26/2011	50 U	50 U	390	50 U	50 U	150	2.2 J	14	7800	50 U	50 U	50 U	0.767	485	600	89.4	6.27					
11/8/2011	5 U	5 U	17	2.1 J	5 U	29	3.7 J	26	15000	5 U	5 U	5 U	0.0159 J	62.1	581 J	92.8	6.69					
3/20/2012	5 U	5 U	3.4 J	3.3 J	5 U	13	8.8	28	12000	5 U	5 U	5 U	0.0529 J	64.9	348 J	44.3	6.15					
6/19/2012	5 U	5 U	9.4	3.7 J	5 U	22	14	38	17000	5 U	5 U	5 U	0.0597 J	105	280		6.49					
9/21/2012	5 UJ	5 U	9.3	4.1 J	5 U	30	18	190	7900	5 U	5 U	5 U	0.2 U	88.1	255 J	81	6.26					
12/11/2012	5 U	5 U	160	7	5 U	210	12	340	14000 J	5 U	5 U	5 U	0.2 U	27.4	257	68.8	6.89					
4/8/2013	5 U	5 U	16	2.3 J	5 U	22	23	27	16000	5 U	5 U	5 U	0.2 U	22.3	226	29.6	6.9					
7/12/2013	5 U	5 U	5.7	1.4 J	5 U	14	18	26	11000	5 U	5 U	5 U	0.2 U	5.7	398	32.6	6.75					
10/9/2013	5 U	5 U	78	2.9 J	5 U	81	20	140	13000	5 U	5 U	5 U	0.4 U	14.6	213	67.5	6.42					
12/3/2013	5 U	5 U	16	1.5 J	5 U	33	15	52	17000	5 U	5 U	5 U	0.4 U	21.2 J	121	70.8	6.44					
4/8/2014	1 U	1 U	43	1.7	1 U	35	21	94	19000	1 U	1 U	1 U	0.4 U	11.5	274	46.9	6.84					
8/19/2014	1 U	1 U	11	0.8 J	1 U	12	18	38	14000	1 U	1 U	1 U	0.4 U	7.6	261	51.1	6.97					
12/9/2014	1 U	1 U	2.6	0.79 J	1 U	9.9	12	41	18000	1 U	1 U	1 U	0.4 U	13.2	85.9	53.8	6.63					
3/26/2015	1 U	1 U	18	0.99 J	1 U	19	40	36	16000 J	1 U	1 U	1 U	0.4 U	4.4	414	20.4	7.23					
10/15/2015	1 U	1 U	2.3	1 U	1 U	7.7	5.4	20	8100	1 U	1 U	1 U	0.4 U	7.3			6.78					
5/6/2016	1.0 U	1.0 U	5.1	1.5	1.0 U	1.0 U	16	40	14000 D	1.0 U	1.0 U	1.0 U	0.400 U	6.6	189	52	7.09					
9/26/2016	1.0 UJ	1.0 UJ	13 J	1.1 J	1.0 UJ	22 J	2.2 J	7.1 J	3700 DJ	1.0 UJ	1.0 UJ	1.0 UJ	0.100 U	5.1			6.47					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 1D

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
1/15/2008	930 J	180000	36000	5.0 U	5.0 U	2100	5.1	19	120	5.0 U	5.0 U	5.0 U		11.8	1460							
7/25/2008	280 J	17000 J	82000 J	200 J	260 J	3900 J	3.8 J	16 J	68 J	2500 UJ	2500 UJ	2500 UJ		22.4 J	2200 J							
10/1/2008	5000 U	38000	110000	1900 J	310 J	2200	14	23	230	5000 U	5000 U	5000 U		33.1	1210							
12/11/2008	5.0 U	14000	130000 J	1500 J	280 J	4800	18	25	200	5.0 U	5.0 U	5.0 U		44.5	1530							
6/2/2009	5000 U	53000	97000	5000 U	5000 U	3400	18	23	190	5000 U	5000 U	5000 U	0.0661 J	49.3	1380	63.9						
10/8/2009	5000 U	64000	100000	5000 U	5000 U	5200	23	30	210	5000 U	5000 U	5000 U	0.0317 U	22.9	1350	56.3						
7/13/2010	500 U	8800	78000	110 J	180 J	8800	26	54	170	500 U	500 U	500 U	0.2 U	10.4	1820 J	20.4						
6/23/2011	150 J	22000	42000	500 U	130 J	1900	5 J	26	64	230 J	500 U	500 U	0.606	7.9	1580	2.5	7.1					
8/23/2011	250 U	1100	49000	85 J	130 J	3300	10	80	890	55 J	250 U	250 U	0.086 J	26	1470 J	68.9	7.45					
11/9/2011	45 J	25000	22000	250 U	58 J	550	5	28	83	120 J	250 U	250 U	0.157 J	36.5	664	44.7	6.86					
3/28/2012	100 U	2100	19000	36 J	49 J	1200	3.9 J	34	160	150	48 J	100 U	0.2 U	6.2	900	36.9	6.95					
6/26/2012	100 U	1900	26000	60 J	71 J	2100	4.9 J	61	2200	240	43 J	100 U	0.2 U	6.2	1150	29	6.97					
9/25/2012	50 U	860	17000	36 J	41 J	2200	8.2 J	57 J	1100	200	43 J	50 U	0.036 J	6.4	700 J	21.2	7.02					
12/6/2012	100 U	180	36000	190	26 J	840	10	49	250	18 J	100 U	100 U	240	1550	6.8	3	5.75					
4/9/2013	250 U	230 J	43000	180 J	250 U	3100	36	140	2600	250 U	250 U	250 U	180	1380	5.5 J	14.4	5.89					
7/16/2013	0.86 J	12	750	4.7 J	0.93 J	60	1.5 J	20	3000	0.95 J	5 U	5 U	1.29	73.6	4.8 J	7.7	7.15					
10/11/2013	50 U	50 U	9500	18 J	50 U	3400	27	1500	11000	50 U	50 U	50 U	36.4	316	5 U	1.8	6.09					
12/11/2013	13 U	4.9 J	3300	15	6.2 J	3100	21	1500	8200	2.2 J	7.3 J	13 U	11.8	146	12.7	1.2	6.17					
8/21/2014	0.93 J	0.84 J	680	2.4	1.1	300	25	730	14000	1 U	3.3	1 U	63	233	5 U	0.14 J	7.07					
12/4/2014	1 U	1.1	50	7.6	1 U	200	15	3900	15000	1 U	15	2.9	84.5	354	5 U	0.33	6.28					
4/3/2015	1 U	1 U	3.6	9.2	1 U	22	88	5500	20000	1 U	15	1.7	113	442	3.3 J	0.1 J	8.34					
10/16/2015	50 U	50 U	21000	50 U	50 U	1700	330	3100	14000	50 U	50 U	50 U	78.7	341			6.97					
5/10/2016	1.0 U	3.1	67	1.8	1.0 U	36	850 D	450	19000 D	1.0 U	3.1	5.5	62.1	398	2.3 J	0.15	7.8					
9/26/2016	6.7 U	6.7 U	5.7 J	2.5 J	6.7 U	110	300	940	5200 D	6.7 U	4.8 J	6.7 U	45	380			7.43					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 1S

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
7/6/2011	50 U	13 J	6700	38 J	11 J	400	1.2 J	11	34	50 U	50 U	50 U	0.305	193	133	63.8	6.59	1.0E+03	1.4E+04	1.1E+03	1.6E+02	4.7E+02
8/29/2011	25 U	25 U	4800	94	5.1 J	2600	8.6	690	3500	25 U	25 U	25 U	21.6	503	5 U	2	6.23	1.9E+04	4.3E+03	7.6E+05	2.2E+04	1.1E+05
11/3/2011	5 U	5 U	150	81	5 U	320	270	2100	8100	5 U	2.9 J	1.8 J	30.6	561	3.1 J	2	6.3	7.3E+03	5.1E+02	3.1E+04	2.1E+04	3.4E+04
3/21/2012	5 U	5 U	390	74	4 J	660	1000	590	22000	5 U	2.6 J	2 J	5.24	88.3	4.9 J	1.6	6.51	2.3E+04	3.0E+03	1.8E+06	8.0E+04	1.4E+06
6/25/2012	5 U	1.4 J	200	27	1.1 J	160	1700	500	20000	5 U	1.1 J	5 U	1.63	29.3	14.7	8.9	6.57	4.4E+03	1.3E+03	7.9E+05	2.3E+04	6.0E+05
9/19/2012	5 U	1.9 J	290	8.7	1.7 J	310	1600	1000	15000	5 U	1.3 J	5 U	1.64	15.6	51.7 J	4.8	6.58	7.0E+04	1.7E+03	4.9E+04	5.3E+01	1.8E+02
12/5/2012	5 U	1.7 J	420	11	1.3 J	410	410	420	9600	5 U	1.4 J	5 U	0.414	7.2	95.9	2.4	7.23	6.5E+03	4.9E+01	1.3E+05	4.5E+03	8.0E+04
4/3/2013	1.3 J	110	710	16	3.5 J	380	240	340	15000 J	5 U	5.5	5 U	1.65	20.3	136	9.1	6.79	6.8E+03	1.2E+03	3.0E+05	1.7E+04	1.1E+03
7/10/2013	5 U	4.8 J	320	16	1.2 J	270	220	360	4500	5 U	7.1	5 U	0.2 U	37	46.4	20.1	7.41	3.4E+03	2.7E+01	3.6E+05	9.8E+03	3.4E+04
10/15/2013	5 U	2 J	1100	20	6.5	620	970	270	11000	5 U	7.3	5 U	0.0703 J	32.1	10.5	17.1	6.9	1.5E+03	1.1E+03	1.2E+05	5.4E+03	9.8E+03
12/5/2013	5 U	4.4 J	720	27	5.8	650	1000	500	20000	5 U	6.2	3.7 J	0.206 J	6	8.3	9.3		2.4E+05	7.8E+03	6.0E+06	4.4E+05	9.0E+05
4/9/2014	1 U	4.2	490	19	1.9	280	330	470	13000	1 U	3.8	1.4	0.656	7	35.2	13.6	6.8	3.4E+04	3.3E+03	1.4E+05	9.5E+02	8.4E+04
8/13/2014	1 U	1.3	250	14	0.61 J	210	390	440	7300	1 U	2.5	4.7	0.0419 J	5.8	9.9	14	7.4	1.6E+04	6.2E+02	1.7E+06	9.6E+02	2.4E+05
12/8/2014	1 U	1.6	150	7.9	1 U	120	550	260	6200	1 U	0.84 J	3.6	0.141 J	3	38.7	5.5	7.26	2.2E+04	5.0E+02	4.2E+05	5.0E+03	2.4E+04
3/25/2015	1 U	6.1	670	20	2	340	180	430	7700	1 U	2.4	2.7	0.787	28.6	79.5	0.77	7.25	2.6E+04	8.6E+01	3.5E+05	6.2E+02	8.6E+04
10/22/2015	1 U	0.97 J	100	9.6	1 U	130	350	240	15000	1 U	0.63 J	3.3	0.0424 J	4.5			7.14					
5/5/2016	1.0 U	1.2	560 D	19	1.5	280 D	130	250	3500 D	1.0 U	1.8	1.1	0.914	5.1	73.5	7.1	7.31	8.1E+03	1.5E+04	5.1E+05	4.5E+02	2.2E+05
9/26/2016	17 UJ	4 J	270 J	9.6 J	17 UJ	230 J	17	90	4100 D	17 UJ	17 UJ	17 UJ	0.059 J	8.9			6.61					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 2D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
1/16/2008	910 J	110000	27000	5.0 U	5.0 U	1600 J	6.9	19	87	5.0 U	5.0 U	5.0 U		7.62	1410							
7/23/2008	5000 U	1100 J	150000	580 J	380 J	1800 J	7.6	34	110	5000 U	5000 U	5000 U		1020	1250							
9/29/2008	5000 U	3200 J	120000	680 J	210 J	2600	5.8	16	89	5000 U	5000 U	5000 U		748	843							
12/11/2008	5.0 U	2300	76000	260 J	88 J	1600	6.6	9.3	39	5.0 U	40 J	5.0 U		194	270							
6/2/2009	2500 U	3600	61000	2500 U	2500 U	1400	14	50	390	2500 U	2500 U	2500 U	7.91	723	71.8							
10/8/2009	2500 U	3700	63000	140 J	2500 U	1400	9.3	26	110	2500 U	2500 U	2500 U	0.986	782	111	109						
7/15/2010	250 U	6900	100000	220 J	110 J	5000	11	200	660	250 U	63 J	250 U	0.105 J	442	69.6 J	165						
6/29/2011	1000 U	12000	97000	270 J	1000 U	1700	5.4	180	750	1000 U	1000 U	1000 U	0.0272 J	462	28.2 J	210	5.83	3.0E+02	1.4E+03	6.3E+02	4.3E+01	1.9E+02
8/23/2011	500 U	15000	93000	250 J	140 J	2300	7.9	200	260	500 U	500 U	500 U	0.0279 J	471	241 J	207	6.77	2.1E+01	7.6E+01	9.0E+01	1.1E+01	1.6E+01
11/3/2011	1000 U	30000	130000	250 J	1000 U	3000	4.3 J	98	330	1000 U	1000 U	1000 U	1.21	356	76	165	6.5	1.6E+04	1.4E+04	1.6E+05	9.1E+03	8.0E+03
3/21/2012	310 J	49000	120000	210 J	180 J	2700	7.4	170	2000	500 U	500 U	500 U	0.0358 J	137	665 J	209	6.39	1.0E+04	2.2E+03	7.3E+03	4.0E+02	4.4E+03
6/21/2012	160	27000	80000	160	130	1700	19	180	2600	40 J	34 J	50 U	0.2 U	148	202 J	150	6.68	8.2E+02	4.8E+02	4.8E+03	2.5E+02	4.3E+03
9/24/2012	73 J	16000	91000	190 J	160 J	2100	21	200	2200	250 U	250 U	250 U	0.2 U	215	118	171	6.31	2.5E+03	3.0E+03	2.7E+04	8.1E+02	2.1E+03
12/6/2012	500 U	9500	150000	220 J	190 J	2500	14	160	2000	500 U	500 U	500 U	0.0569 J	790	99.5	106	6.3	6.5E+03	2.3E+03	1.2E+04	8.0E+03	9.6E+02
4/4/2013	250 U	700	130000	160 J	71 J	1500	15	140	2900	250 U	56 J	250 U	0.2 U	821	41.6	206		1.8E+04	1.2E+04	4.6E+04	2.0E+03	9.2E+01
7/11/2013	250 U	1100	76000	94 J	52 J	2300	5 J	120	1800	250 UJ	250 U	250 U	0.2 U	288	180	193	6.68	2.5E+03	7.3E+03	1.8E+03	6.8E+02	1.3E+02
10/15/2013	1000 U	9000	150000	230 J	160 J	3600	10	170	4700	1000 U	1000 U	1000 U	0.4 U	485	81.6	223		4.6E+02	3.8E+02	8.9E+02	7.6E+02	1.7E+01
12/12/2013	140 J	22000	110000	180 J	140 J	4600	12	240	2800	500 U	500 U	500 U	0.4 U	286	300	159	6.64	2.6E+04	1.8E+03	3.9E+04	1.4E+04	2.9E+03
4/10/2014	120	8200	80000	160	120	8300	19	420	6700	100 U	100 U	100 U	0.4 U	163	206	141	6.73	4.5E+04	1.6E+03	1.8E+05	5.1E+02	9.9E+03
8/15/2014	100 U	2200	79000	180	120	18000	14	1700	9600	100 U	100 U	100 U	0.219 J	367	95.1	115	6.33	1.2E+05	5.4E+02	6.7E+05	2.8E+03	2.1E+04
12/3/2014	50 U	3800	89000	210	130	12000	17	3000	11000	50 U	37 J	50 U	0.0799 J	422	74.2	80.3	6.36	6.2E+05	5.6E+03	1.6E+06	1.1E+04	3.0E+04
3/26/2015	35 J	3300	110000	220	130	17000	34	2800	11000 J	50 U	37 J	50 U	0.0409 J	220	51.5	120	6.38	3.5E+05	3.6E+02	1.1E+06	1.3E+04	3.2E+04
10/15/2015	100 U	4100	110000	430	160	26000	22	8300	7500	100 U	86 J	100 U	0.412	382			6.23					
5/10/2016	5.0 U	50	28000 D	130	33	20000 D	28	3900 D	16000 D	5.0 U	21	5.0 U	0.0807 J	222	23.1	146	6.68	2.6E+05	3.6E+03	1.5E+06	5.3E+04	2.7E+04
9/30/2016	250 U	140 J	7100	100 J	250 U	17000	13 J	2800 J	5200 J	250 U	250 U	250 U	0.33	470			6.51					

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s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 2S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
7/6/2011	50 U	17 J	6000	66	9.2 J	710	2.5 J	19	370	50 U	50 U	50 U	1.54	292	87.2	45.8	6.18	7.4E+02	5.7E+03	1.0E+03	3.2E+02	5.9E+02
8/29/2011	25 U	25 U	2800	100	25 U	1400	9.5	1200	5900	25 U	25 U	25 U	10.4	447	5 U	9.1	6.19	1.8E+04	3.4E+03	3.6E+05	3.5E+04	1.4E+05
11/3/2011	5 U	5 U	630	88	1 J	680	150	1300	13000	5 U	2.8 J	5 U	23.9	437	2.6 J	1.7	6.12	1.5E+04	7.5E+02	5.3E+04	1.7E+04	1.4E+05
3/22/2012	10 U	10 U	1700	92	3.1 J	1300	300	390	14000	10 U	2.9 J	10 U	19.7	260	22.3	1.1	5.99	2.1E+05	7.3E+02	1.7E+06	8.8E+04	1.2E+06
6/20/2012	5 U	2.8 J	390	63	1.6 J	350	190	220	13000	5 UJ	2 J	5 U	21.6	234	1.8 J	1.1	6.54	1.2E+04	1.2E+03	4.2E+05	1.3E+04	3.5E+05
9/24/2012	10 U	2.7 J	550	31	10 U	490	220	130	14000	10 U	10 U	10 U	6.87	44.7	7.6	2.2	6.41	6.9E+03	1.2E+03	3.0E+05	2.9E+04	6.6E+04
12/4/2012	5 U	88	270	13	5 U	220	300	110	13000	5 U	1.1 J	5 U	5.73	19.4	34.1	0.89	6.58	5.1E+03	2.0E+02	1.0E+05	2.6E+03	6.6E+03
4/3/2013	5 U	1.5 J	180	7.1	5 U	130	340	74	20000 J	5 U	1.2 J	5 U	1.61	6.6	319	4.9	6.72	6.9E+03	4.1E+03	2.1E+05	1.1E+04	1.5E+03
7/11/2013	5 U	1.1 J	51	6.5	5 U	58	230	100	17000	5 UJ	1.8 J	5 U	0.628	20.7	4 J	10.3	6.51	2.6E+03	1.6E+02	2.4E+04	0.9 U	8.6E+02
10/10/2013	5 U	5 U	100	9.1	5 U	130	380	300	16000	5 U	3.1 J	5 U	1.28	20.2	2.5 J	6.4	6.3	3.6E+03	5.9E+02	2.4E+05	1.2E+04	4.7E+03
12/5/2013	5 U	5 U	220	13	5 U	190	420	240	16000	5 U	2.8 J	1.3 J	5.6	26.1	1.6 J	1.5		8.2E+03	2.3E+02	5.1E+04	4.1E+03	7.2E+03
4/9/2014	1 U	2.5	320	13	0.89 J	260	160	100	19000	1 U	1.2	1 U	0.487	10.9	47.4	15.4	6.29	7.8E+03	2.7E+02	1.7E+04	1.1E+02	1.2E+04
8/12/2014	1 U	2.2	35	6.3	1 U	37	290	170	10000	1 U	1.8	5.1	0.111 J	6.4	3.3 J	13.8	7.01	1.6E+04	5.1E+02	1.1E+06	3.8E+03	7.7E+04
12/3/2014	1 U	1 U	4.9	2.9	1 U	10	380	38	8700	1 U	0.59 J	2.6	0.677	5.7	3.4 J	3.8	6.72	2.3E+04	3.3E+02	3.7E+05	2.2E+03	3.5E+04
3/30/2015	1 U	2	230	16	1 U	290	160	200	18000	1 U	1.1	2.2	5.36	12	123	0.79	6.53	2.2E+04	1.1E+02	2.5E+05	7.1E+02	4.2E+04
10/21/2015	1 U	1 U	1.3	0.97 J	1 U	2.8	190	13	15000	1 U	1 U	1 U	1.45	9.5			6.82					
5/9/2016	1.0 U	0.55 J	38	3.9	1.0 U	35	130	73	20000 D	1.0 U	0.58 J	0.76 J	0.222 J	6.5	13.5	17.1	6.83	1.2E+03	2.6E+03	2.5E+04	2.5E+02	1.1E+04

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 3D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
1/15/2008	1400 J	240000	31000	5.0 U	5.0 U	640 J	9.6	20	82	5.0 U	5.0 U	5.0 U		11	987							
7/22/2008	2500 U	540 J	83000	210 J	2500 U	760 J	16	24	120	2500 U	2500 U	2500 U		1800	1170							
9/29/2008	13 J	1000	9000	50 J	15 J	99 J	35	4.7	160	16 J	250 U	250 U		558	1010							
12/11/2008	5.0 U	550	5600	26 J	5.0 U	130 J	6.4	8.7	36	5.0 U	5.0 U	5.0 U		204	750							
6/3/2009	250 U	1200	9900	29 J	250 U	250	16	33	280	250 U	250 U	250 U	0.0562 J	240	817	166						
10/12/2009	250 U	2100	11000	32 J	30 J	150	25	15	250	250 U	11 J	250 U	0.0317 U	141	858	184						
7/15/2010	33 J	12000	29000	53 J	51 J	240	20	23	880	130 U	130 U	130 U	0.2 U	153	972 J	156						
6/24/2011	57 J	19000	20000	46 J	55 J	540	16 J	13 J	2400 J	21 J	24 J	100 U	0.2 U	71.4	1060	182	7.14					
8/24/2011	7.7 J	2600	4300	9.3 J	9.6 J	63	35	26	3300	25 U	6.7 J	25 U	0.2 U	107	731	211	7.17					
11/9/2011	50 J	11000	15000	26 J	31 J	430	22	50	2900	100 U	100 U	100 U	0.2 U	44.1	987	207	6.95					
3/20/2012	13 J	3300	6600	14 J	17 J	150	18	19	5800	25 U	15 J	25 U	0.2 U	132	482 J	224	6.83					
6/27/2012	20 J	5000	8900	18 J	20 J	210	5.3	14	1900	22 J	27 J	50 U	0.2 U	167	505 J	173	6.67					
9/18/2012	38 J	5600	13000	25 J	31 J	290	29	58	4200	33 J	33 J	50 U	0.2 U	148	601	173	6.87					
12/5/2012	30	3000	16000	20 J	22 J	270	14	18	3200	11 J	26	25 U	0.2 U	345	752	323	6.36					
4/9/2013	250 U	1700	25000	250 U	250 U	350	12	28	5500	250 U	250 U	250 U	0.342	323	309 J	279	6.85					
7/16/2013	43 J	7400	66000	85 J	70 J	1100	15	72	5400	17 J	83 J	100 U	0.2 U	418	203	201	6.37					
10/11/2013	500 U	11000	57000	500 U	500 U	920	27	98	3300	500 U	500 U	500 U	0.4 U	351	326	252	6.45					
12/9/2013	250 U	6300	40000	56 J	51 J	630	26	76	2200	250 U	250 U	250 U	0.4 U	189	617	216	6.44					
4/9/2014	29 J	5100	77000	110	96	1700	24	270	4700	50 U	54	50 U	0.104 J	273	195	186	6.6					
8/22/2014	50 U	1200	61000	94	72	2000	33	340	8900	50 U	46 J	50 U	0.4 U	234	129	179	6.65					
12/9/2014	100 U	3700	67000	100	79 J	2500	24	550	5000	100 U	100 U	100 U	0.4 U	195	570	154	6.63					
3/30/2015	50 U	3800	60000	95	76	4100	19	840	8200	50 U	33 J	50 U	0.4 U	223	114	201	7.5					

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 3S

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
7/6/2011	250 U	250 U	45000	610	76 J	6800	22	100	720	250 U	250 U	250 U	1.33	212	332	46.3	5.9	8.7E+02	4.3E+03	1.3E+03	3.1E+02	3.3E+02
8/25/2011	12 J	84	61000	1100	110	12000	32	810	4700	50 U	33 J	50 U	1.72	238	404 J	17.3	5.08	4.9E+04	5.8E+03	2.9E+05	1.8E+04	2.6E+05
11/3/2011	250 U	250 U	43000	960	65 J	27000	99	1700	9400	250 U	250 U	250 U	5.66	229	444	3.9	6.51	9.0E+04	1.7E+03	1.8E+05	2.5E+04	3.6E+05
3/22/2012	500 U	610	99000	1600	190 J	19000	260	1300	9400	500 U	500 U	500 U	2.64	78.3	849	8.7		2.0E+05	8.3E+02	7.7E+05	1.9E+04	6.0E+05
6/25/2012	500 U	660	65000	1200	150 J	13000	280	930	10000	500 U	500 U	500 U	4.3	84.8	1010	3.2	6.25	2.2E+05	9.3E+02	1.1E+06	1.1E+04	2.0E+05
9/24/2012	250 U	210 J	39000	760	60 J	8500	320	800	11000	250 U	250 U	250 U	3.4 J	31.2	228	2.5	6.2	2.9E+05	2.6E+02	4.8E+05	2.5E+04	8.7E+04
12/5/2012	250 U	600	85000	1300	150 J	13000	290	430	12000	250 U	250 U	250 U	4.56	12.8	883	0.37	6.08	6.6E+04	1.2E+01	1.2E+05	2.2E+03	1.5E+04
4/3/2013	23 J	330	29000	510	44 J	4900	660	1500	17000 J	100 U	24 J	100 U	0.502	13.7	950	17.2	6.56	1.7E+05	8.5E+02	1.4E+06	8.6E+04	1.9E+04
7/11/2013	500 U	310 J	45000	810	83 J	7600 J	260	1300	12000	500 UJ	500 U	500 U	0.628	15.9	648	21.2	6.56	3.6E+04	1.0E+02	6.1E+04	3.6E+03	7.6E+03
10/15/2013	250 U	200 J	30000	610	59 J	5100	400	2100	9900	250 U	250 U	250 U	0.847	30.6	552	16.9	6.4	1.7E+04	2.3E+02	2.5E+04	1.2E+04	3.0E+03
12/5/2013	5 J	86	13000	290	25 J	3100	310	900	9800	25 U	11 J	25 U	0.301 J	22.3	670	18.3		8.9E+04	3.1E+02	4.1E+05	1.4E+05	4.4E+04
4/10/2014	20 U	27	14000	350	24	5800	380	1700	14000	20 U	12 J	20 U	1.32	13.9	547	22.3	6.2	5.9E+04	2.0E+02	8.1E+05	6.7E+02	1.2E+05
8/13/2014	20 U	110	26000	480	41	5000	320	1200	10000	20 U	16 J	20 U	0.214 J	18.5	347	23.4	6.36	1.1E+05	1.1E+02	9.2E+05	1.2E+03	7.7E+04
12/4/2014	10 U	60	15000	270	27	2800	220	860	8400	10 U	9.9 J	10 U	0.205 J	11.3	731	13.9	6.47	6.8E+04	1.8E+02	5.1E+05	1.1E+03	6.1E+03
3/24/2015	5 U	28	13000	300	21	5300	440	1300	12000 J	5 U	9.8	5 U	0.709	20.7	503	16.5	6.28	1.9E+05	2.3E+02	5.0E+05	2.5E+03	5.4E+04
10/20/2015	10 U	63	13000	290	24	2400	170	1000	9500	10 U	11	10 U	0.39 J	12.5			6.64					
5/9/2016	2.0 U	13	5800	160	14	2100	200	600 D	15000 D	2.0 U	5.6	2.0 U	0.638	5.6	569	18.5	7.04	1.7E+04	3.3E+03	9.5E+04	2.8E+02	2.4E+04
9/30/2016	140 U	140 U	3800	74 J	140 U	820	24 J	100 J	2300 J	140 U	140 U	140 U	0.49	11			6.4					

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UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 4D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
1/16/2008	1100 J	220000	36000	5.0 U	5.0 U	690 J	10	17	94	5.0 U	5.0 U	5.0 U		12.2	1080							
7/22/2008	5000 U	3500 J	160000	510 J	350 J	1100 J	12	38	110	5000 U	5000 U	5000 U		237	1520							
9/30/2008	1300 U	5900	91000	990 J	140 J	1400	9.1	10	77	1300 U	1300 U	1300 U		227	108							
12/11/2008	5.0 U	1000	22000	140 J	5.0 U	680 J	17	14	120	5.0 U	5.0 U	5.0 U		113	635							
6/3/2009	1000 U	11000	65000	180 J	1000 U	1100	4.1	14	47	1000 U	1000 U	1000 U	0.0322 J	105	2000	173						
6/4/2009			270000 J	1600 J	580 J	2400 J				3000	260 J	2500 U										
10/12/2009	500 U	3200	16000	59 J	39 J	550	20	19	250	500 U	23 J	500 U	0.0317 U	63.2	1240	232						
7/15/2010	250 U	3500	22000	66 J	250 U	620	20	24	1600	250 U	250 U	250 U	0.2 U	89.1	1230 J	191						
6/24/2011	91 J	73000	69000	210 J	180 J	1300	11	48	2000	500 U	500 U	500 U	0.2 U	128	922	177	7.53					
8/23/2011	100 U	16000	21000	56 J	45 J	510	31	95	3900	100 U	22 J	100 U	0.2 U	113	652 J	175	7.3					
11/8/2011	31 J	13000	20000	58 J	49 J	640	16	120	3900	100 U	29 J	100 U	0.0183 J	95.5	460 J	224	6.39					
3/20/2012	9.9 J	4600	14000	50	47	730	17	160	3900	9.6 J	29	25 U	0.2 U	133	450 J	224	6.79					
6/27/2012	13	1900	1800	9.2 J	9.1 J	83	31	61	4200	7 J	4.3 J	10 U	0.0333 J	144	203 J	187	6.87					
9/25/2012	150	15000	30000	64 J	78 J	960	15	150	3800	130	71 J	100 U	0.2 U	120	256 J	215	6.77					
12/5/2012	24 J	930	51000	54 J	31 J	700	14	110	5000	61 J	96 J	100 U	0.2 U	1020	283	247	6.67					
4/12/2013	78 J	730	24000	90 J	45 J	2500	37	620	7700	250 U	61 J	250 U	0.2 U	85.5	895	157	6.69					
7/17/2013	18 J	470	39000	74 J	30 J	1200	16	210	6100	100 U	94 J	100 U	0.2 U	253	151	375	6.88					
10/11/2013	500 U	1100	53000	97 J	500 U	1400	28	360	5600	500 U	110 J	500 U	0.4 U	261	300	305	6.62					
12/3/2013	1000 U	730 J	74000	1000 U	1000 U	2100	27	360	6600	1000 U	1000 U	1000 U	0.4 U	301 J	284	230	6.87					
4/8/2014	250 U	670	77000	250 U	250 U	2800	36	430	7700	250 U	250 U	250 U	0.4 U	280	106	188						
8/21/2014	100 U	370	71000	140	110	4100	36	660	9200	100 U	120	100 U	0.0601 J	196	281	197	6.83					
12/10/2014	100 U	130	57000	110	78 J	3000	26	800	8400	100 U	83 J	100 U	0.4 U	213	468	172	7.42					
3/31/2015	100 U	190	62000	130	91 J	6700	35	940	9400	100 UJ	80 J	100 U	0.4 U	238	103	197	6.46					
10/19/2015	20 U	700	50000	120	43	5700	21	1100	9200	20 U	89	20 U	0.4 U	269			6.91					

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µg/L micrograms per liter
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cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 4S

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
6/28/2011	25 U	78	2000	63	25 U	68	16	2.2 J	47	25 U	25 U	25 U	0.2 U	12.5	467 J	0.16 U	7.38					
8/30/2011	4.4 J	130	3900	120	7.9 J	300	21	17	86	13 U	4.6 J	13 U	0.0149 J	16.2	604	0.16 U	6.77					
11/10/2011	50 U	250	8600	240	15 J	460	17	19	170	50 U	10 J	50 U	0.145 J	6.5	1310	0.16 U	6.39					
3/26/2012	9.7 J	340	14000	310	24 J	840	43	44	1600	50 U	14 J	50 U	0.151 J	3.5	1970	0.16 U	6.83					
6/20/2012	7.6 J	270	11000	280	20 J	660	38	110	2000	4.5 J	14 J	25 U	0.0155 J	3.8	1400	0.16 U	6.66					
9/24/2012	50 U	230	11000	270	20 J	1300	53	180	2500	50 U	12 J	50 U	2.24 J	5.8	1510	0.16 U	6.54					
12/11/2012	100 U	230	14000	350	22 J	860	68	53	6900 J	100 U	100 U	100 U	0.991	3.7	1980	0.16 U	6.65					
4/8/2013	3.2 J	270	13000	400	33	1100	110	48	11000	5 U	19	5 U	0.386	2.7	1770	0.16 U	6.64					
7/18/2013	50 U	180	12000	350	26 J	830	73	31	8200	50 U	14 J	50 U	1.69	3.4	1770	0.16 U	6.62					
10/14/2013	100 U	100	8500	240	17 J	560	220	49	9200	100 U	100 U	100 U	1.83	6.7	921	0.16 U	6.53					
12/9/2013	50 U	140	12000	320	25 J	750	130	48	7200	50 U	14 J	50 U	1.07	8.4	1530	0.16 U	6.18					
4/11/2014	10 U	130	7400	220	17	440	91	27	6000	10 U	8.9 J	10 U	2.22	5.8	1490 J+	0.16 U	6.61					
8/20/2014	5 U	39	6000	160	9.1	240	47	31	2900	5 U	7.2	5 U	3.58	23.9	820	0.078 J	6.45					
12/3/2014	10 U	83	8200	210	14	410	81	75	5700	10 U	9.3 J	10 U	0.162 J	6.1	121	0.16 U	5.82					
3/31/2015	2 U	76	3500	110	8	210	41	25	2300	2 UJ	5.2	2 U	0.23 J	8.6	519	0.16 U						
10/20/2015	2 U	9.2	1800	45	4.6	150	21	26	1600	2 U	2.6	2 U	0.414	8.2			6.99					
5/12/2016	1.0 U	12	500 D	18	1.3	25	2.8 J	5.1	230	1.0 U	0.77 J	1.0 U	0.583	5.4	129	0.10 U	7.05					
9/27/2016	6.7 U	14	160	10	6.7 U	28	21	46	2000 D	6.7 U	6.7 U	6.7 U	0.04 J	5			7.65					

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mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 5D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
1/15/2008	1700 J	91000	11000	5.0 U	5.0 U	420 J	5.9	19	60	750 J	5.0 U	5.0 U		4.8	710							
7/22/2008	5000 U	950 J	100000	430 J	5000 U	1800 J	10	72	120	5000 U	5000 U	5000 U		332	982							
9/29/2008	2500 U	4800	92000	500 J	200 J	2400	8.8	18	85	2500 U	2500 U	2500 U		383	730							
12/11/2008	5.0 U	6900	71000	540 J	110 J	1300 J	15	21	100	5.0 U	100 J	5.0 U		196	352							
6/3/2009	1000 U	2100	27000	1000 U	1000 U	760	29	40	180	1000 U	1000 U	1000 U	0.0751 J	306	179	176						
10/13/2009	90 J	13000	73000	210 J	210 J	1900	20	35	200	1000 U	130 J	1000 U	0.032 J	351	490	237						
7/16/2010	1000 U	10000	94000	1000 U	1000 U	2300	17	130	290	1000 U	1000 U	1000 U	0.2 U	334	171	193						
8/31/2011	700	67000	69000	96 J	160 J	650	7.3	19	280	350	110 J	250 U	0.0212 J	441	152	241						
3/26/2012	500	47000	45000	56	120	580	24	140	1800	140	86	50 U	0.2 U	45.6	995	130						
6/22/2012	88 J	6800	8600	100 U	37 J	63 J	12	85	2400	44 J	100 U	100 U	0.2 U	57	246 J	146						
9/25/2012	680	34000	34000	59 J	94 J	3700	14	150	4200	410	68 J	130 U	0.2 U	111	107 J	146						
12/13/2012	80 J	1900	62000	250 U	250 U	1200	19	200 J	2900	140 J	100 J	250 U	0.329	1010	622	163						
4/8/2013	20 J	1200	45000	46	40	560	15	77	1500	99	85	25 U	0.0601 J	455	97.7	182						
7/17/2013	500 U	2700	52000	500 U	500 U	640	9.7	100	1300	500 U	500 U	500 U	0.2 U	293	83.3	188						
10/18/2013	90 J	8900	73000	91 J	81 J	2900	21	450	4600	44 J	97 J	250 U	0.4 U	254	326	184						
12/11/2013	250 J	21000	140000	150 J	210 J	4900	30	500	2600	500 UJ	140 J	500 U	0.4 U	307	150	161						
4/14/2014	520	25000	98000	190	170	4300	46	1100	6800	57	87	50 U	0.4 U	137	115	112						
8/14/2014	100 U	1300	88000	200	180	7400	41	1400	12000	100 U	59 J	100 U	0.4 U	142	413	137	7.02					
12/10/2014	100 U	1400	50000	110	60 J	3900	39	700	11000	100 U	54 J	100 U	0.4 U	111	565	172	7.72					
3/30/2015	61	8700	42000	100	100	3600	28	1000	8200	20 U	30	20 U	0.4 U	16.7	66.1	67.3	8.04					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 5S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/29/2011	500 U	2400	62000	1000	120 J	13000	42	250	300	81 J	500 U	500 U	7.2	6.7	1650 J	0.16 U	6.6					
8/26/2011	250 U	3000	53000	830	110 J	12000	47	280	360	250 U	250 U	250 U	0.642	5.2	2020	0.16 U	6.64					
11/9/2011	500 U	2600	59000	810	110 J	9300	31	200	250	500 U	500 U	500 U	0.278	5.8	1630	0.16 U	6.73					
3/27/2012	250 U	3000	48000	940	90 J	7800	53	230	680	250 U	250 U	250 U	0.0387 J	6.6	1540	0.16 U	6.83					
6/20/2012	50 U	3100	57000	1000	100	9800	68	450	800	50 UJ	16 J	50 U	0.0551 J	5.8	1530	0.16 U	6.61					
9/20/2012	10 U	2400	56000	710	82	10000	51	360	810	9.3 J	13	10 U	0.623	5.3	1310	0.16 U	6.83					
12/11/2012	100 U	1600	29000	550	47 J	4900	33	180	930 J	100 U	100 U	100 U	0.0851 J	10.3	1000	0.16 U	6.7					
4/5/2013	25 U	2300	39000	720	69	7800	58	350	2100 J	25 U	11 J	25 U	0.258	5.9	1390	0.16 U						
7/9/2013	50 U	1900	37000	710	68	7200	39	230	2700	50 U	11 J	50 U	0.205	8	1440	0.16 U	6.89					
10/10/2013	250 U	2300	37000	790	76 J	7800	56	370	2600	250 U	250 U	250 U	0.17 J	6.9	1390	0.16 U						
12/6/2013	100 U	1700	27000	580	56 J	5100	45	250	3100	100 U	100 U	100 U	0.0705 J	8.2	1120	0.16 U	6.39					
4/11/2014	50 UJ	1800	26000	640	61	5100	46	350	5300	50 U	50 U	50 U	0.0849 J	9.1	1310 J+	0.16 U	6.84					
8/12/2014	50 U	1700	29000	570	43 J	3700	60	330	5800	50 U	50 U	50 U	0.427	7.1	2760 J-	0.16 U	6.83					
12/2/2014	20 U	1700	26000	560	48	4200	60	440	6700	20 U	20 U	20 U	0.196 J	8.6	1360	0.16 U	6.49					
4/1/2015	20 U	1100	25000	490	44	3900	69	420	5700	20 U	20 U	20 U	0.0805 J	6.3	1320	0.16 U						
10/21/2015	20 U	1300	22000	450	39	3100	100	340	5900	20 U	20 U	20 U	0.353 J	6.8			6.51					
5/18/2016	20 U	1200	19000 D	420	36	2500	110	340	9600 D	20 U	20 U	20 U	0.157 J	6.2	1390	0.10 U	6.73					

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 6D

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
1/14/2008	1000 J	100000	17000	5.0 U	5.0 U	820 J	6.5	16	62	500 J	5.0 U	5.0 U		6.68	1030							
7/22/2008	5000 U	2200 J	140000	380 J	5000 U	1200 J	11	37	100	5000 U	5000 U	5000 U		627	1220							
9/29/2008	2500 U	2800	92000	540 J	160 J	1900 J	12	14	71	2500 U	2500 U	2500 U		565	610							
12/15/2008	5.0 U	310 J	17000	230 J	29 J	170 J	3.6	12	56	41 J	5.0 U	5.0 U		266	4.02							
6/4/2009	500 U	110 J	11000	53 J	500 U	650 J	8.9	53 J	23	34 J	500 U	500 U	0.0619 J	199	12.9	40.5						
10/12/2009	250 U	42 J	8200	57 J	250 U	2800	21	710	1900	30 J	14 J	250 U	1.59	701	36.7	43.8						
7/16/2010	100 U	300	8100	54 J	19 J	4000	33	650	4500	100 U	36 J	100 U	0.079 J	870	3.2 J	92						
6/29/2011	7.9	400	610	59	8.3	2000	16	1800	9400	8	59	5 U	0.0369 J	989	4.3 J	113	6.4	2.4E+03	3.9E+02	2.2E+05	1.0E+00	8.6E+04
8/23/2011	6.2 J	510	2100	48	13	1900	60	1800	8000	4.3 J	50	10 U	0.016 J	817	6.8 J	147	6.83	2.3E+02	5.6E+01	1.8E+04	0.7 U	5.4E+03
11/3/2011	4.1 J	100	89	4.7 J	1.4 J	35	1.8 J	63	1700	0.86 J	2.5 J	5 U	0.0203 J	28.8	21.6	6.3	11.77	4.4E+01	1.4E+01	3.0E+02	0.5 U	9.8E+02
11/9/2011	4.1 J	130	390	14	2.2 J	110	4.2 J	170	2700	5 U	10	5 U	0.0422 J	170	8	15.4						
3/22/2012	5 U	30	190	39	5 U	70	35	2200	14000	5 U	35	5 U	0.0256 J	762 J	17	81.6	6.88	6.8E+04	1.6E+04	3.2E+06	6.1E+02	2.4E+06
6/21/2012	8.6 J	2200	21000	83	26	1600	24	980	8000	25 UJ	75	25 U	0.0336 J	578	1050 J	84.4	6.99	2.1E+04	7.0E+03	1.9E+06	2.4E+02	1.2E+06
9/20/2012	2.1 J	660	5100	54	9.7	2100	7.2 J	1300 J	7200 J	3.8 J	46	5 U	0.2 U	563	2.1 J	111	6.79	1.3E+04	1.2E+03	2.2E+06	8.7E+04	1.1E+06
12/6/2012	100 U	850	38000	78 J	38 J	1800	20	330	8100	100 U	74 J	100 U	0.2 U	502	24.1	149	6.9	6.3E+03	2.2E+02	1.2E+05	6.6E+03	3.1E+04
4/9/2013	250 U	2400	44000	92 J	250 U	1000	9.7	99	2800	250 U	83 J	250 U	0.2 U	466	428 J	152		3.0E+04	5.2E+02	2.0E+05	1.7E+04	6.8E+03
7/16/2013	100 U	460	14000	42 J	100 U	480	21	210	2600	100 U	30 J	100 U	0.2 U	366	401	167	7	1.7E+04	1.4E+03	1.6E+05	1.2E+04	1.5E+02
10/10/2013	50 U	100	9000	28 J	11 J	280	9.7	300	3700	50 U	19 J	50 U	0.0858 J	108	8.1	3	7.13	4.1E+04	7.5E+03	1.0E+06	4.4E+05	7.5E+04
12/13/2013	4.6 J	3600	30000 J	70	40	1900	29	1000	4000	2.6 J	60	10 U	0.4 U	271	254	132		1.2E+05	1.4E+03	9.7E+05	6.4E+05	1.4E+05
4/15/2014	1 U	6.5	520	6.8	0.93 J	150	5 U	55	360	1 U	3.5	1 U	0.352 J	53.3	37.1	2.7		2.5E+04	2.0E+02	1.5E+05	1.3E+03	4.1E+04
8/19/2014	10 U	890	18000	45	19	3000	36	1800	10000	10 U	37	10 U	0.156 J	291	325	32.5		3.1E+04	3.3E+03	1.4E+06	6.2E+03	1.7E+04
12/4/2014	10 U	38	8300	49	6.2 J	4800	27	3400	6500	10 U	46	10 U	0.476	498	110	20.7	6.45	1.1E+04	8.6E+02	3.4E+05	6.2E+03	7.8E+03
3/26/2015	1 U	3.6	1800	55	1.5	4500	25	3700	6100	1 U	55	3.8	4.44	446	43.2	10		2.3E+04	5.7E+03	3.8E+06	6.9E+04	2.0E+05
10/21/2015	10 U	30	8100	77	10 U	6700	66	5600	6200	10 U	48	10 U	0.232 J	561			6.59					
5/10/2016	1.0 U	8.5	2400 D	68	1.4	410 D	33	4700 D	14000 D	1.0 U	43	3.7	0.821	482	92.7	12.6	6.9	8.2E+02	4.2E+04	1.6E+05	7.1E+03	2.3E+04
9/28/2016	250 UJ	250 UJ	3500 J	250 UJ	250 UJ	690 J	63 J	5100 J	13000 J	250 UJ	250 UJ	250 UJ	0.12	500			6.84					

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µg/L micrograms per liter
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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 6S

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
7/1/2011	100 U	28 J	10000	170	16 J	1400	13	59	1200	100 U	100 U	100 U	104	1400	244	1.3	5.59					
8/26/2011	25 U	22 J	8000	340	8.4 J	11000	30	630	4600	25 U	16 J	25 U	0.719	385	122	36.9	6.6					
11/7/2011	25 U	9.7 J	2700	270	25 U	3400	77	3900	8000	25 U	15 J	25 U	4.63	177	190	13.4	6.66					
3/23/2012	25 U	25 U	4300	220	8.2 J	3800	77	920	8700	25 U	8.4 J	25 U	29.6	48.3	372	0.35	6.58					
6/22/2012	50 U	50 U	3900	200	50 U	3100	78	510	11000	50 UJ	50 U	50 U	38.5	47.9	173 J	0.31	6.18					
9/19/2012	50 U	50 U	1500	88	50 U	2700	74	320	7900	50 U	50 U	50 U	35.7	56.3	140 J	0.26	6.76					
12/10/2012	10 UJ	4.1 J	3300	94	6.5 J	2400	68	360	10000	10 U	6.3 J	10 UJ	29.1	48.2	209	0.35	6.49					
4/9/2013	50 U	50 U	3300	110	50 U	1900	45	450	11000	50 U	50 U	50 U	27.8	39.8	184 J	0.68	6.38					
7/9/2013	5 U	2.1 J	1600	110	4 J	1600	22	220	6800	5 U	3.7 J	5 U	36.9	50.5	85.5	0.22	6.8					
10/14/2013	10 U	10 U	1000	57	1.9 J	1100	15	110	7400	10 U	10 U	10 U	32.3	55.8	88.2	0.25	6.37					
12/9/2013	10 U	4.5 J	2400	82	6.6 J	990	72	370	11000	10 U	4.1 J	10 U	27.5	45.7	137	0.32						
4/16/2014	1 U	14	8600	140	13	3600	110	520	11000	1 U	8.4	1 U	15.5	28.8	337	2.3	6.67					
8/20/2014	2 U	3.8	3300	93	5.5	1300	32 J	140 J	11000 J	2 U	3	2 U	24	42.9	134	0.22	6.19					
12/10/2014	1 U	2.1	1200	51	3.9	620	25 J	140 J	7600 J	1 U	2.4	1 U	34.5	39.9	113	0.14 J	6.39					
3/31/2015	1 UJ	2.6 J	400 J	12 J	1.2 J	160 J	30	60	15000	1 UJ	0.85 J	1 UJ	10.8	30.1	195	0.8	7.15					
10/21/2015	1 UJ	0.85 J	480 J	29 J	0.72 J	250 J	9	87	10000	1 UJ	1.9 J	1 UJ	0.423	32.7			6.45					
5/13/2016	10 U	13	5500 D	150	9.4 J	1600	42	270	12000 D	10 U	10 U	10 U	4.77	17.1	366	5.7	6.45					
9/27/2016	67 UJ	67 UJ	1300 J	54 J	67 UJ	610 J	2.4 J	21 J	2700 DJ	67 UJ	67 UJ	67 UJ	0.097 J	32			6.51					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 7D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
1/16/2008	950 J	160000	27000	5.0 U	5.0 U	860 J	7.2	18	80	5.0 U	5.0 U	5.0 U		8.94	1170							
7/24/2008	5000 UJ	5000 UJ	120000 J	5000 UJ	5000 UJ	940 J	7.4 J	37 J	76 J	5000 UJ	5000 UJ	5000 UJ		417 J	984 J							
9/30/2008	5000 U	2300 J	100000	840 J	280 J	1700 J	7.5	13	59	5000 U	5000 U	5000 U		531	724							
12/15/2008	5.0 U	2400	84000	400 J	110 J	2600	7.8 J	6.3 J	230 J	5.0 U	66 J	5.0 U		476	72.3							
6/4/2009	2500 U	2600	50000	2500 U	2500 U	6300 J	5.4	70	1100	2500 U	2500 U	2500 U	0.0703 J	483	42.4	268						
6/5/2009	2500 U	3500	73000	190 J	2500 U	3000	10 UJ	29 J	590 J	2500 U	130 J	2500 U										
10/13/2009	57 J	4500 J	58000	180 J	140 J	3900	10 U	420	4600 J	500 U	150 J	500 U	0.0461 J	506	86.2	178						
7/16/2010	24 J	1600	27000	63	66	790	33 U	150	7200	50 U	75	50 U	0.2 U	255	413	195						
6/24/2011	290	48000	63000	120 J	160 J	1500	6.2 J	28 J	1600 J	94 J	62 J	250 U	0.0354 J	58.1	1640	155	6.8					
8/23/2011	150	19000	26000	48 J	61 J	530	15	57	1300	25 J	36 J	100 U	0.0629 J	79.9	1890 J	214	7.56					
11/8/2011	290	25000	32000	72 J	83 J	1400	11	160	4200	46 J	54 J	250 U	0.0461 J	118	842 J	168	5.99					
3/20/2012	180	15000	19000	42 J	43 J	890	17	270	4000	60 J	42 J	100 U	0.0203 J	29.4	1020 J	284	7.17					
6/26/2012	350	25000	31000	52 J	91 J	520	11	87	2600	270	77 J	250 UJ	0.2 U	25.5	950	184	7.31					
9/25/2012	460	27000	32000	51 J	85 J	900	20	170	2900	260	81 J	130 U	0.2 U	29.1	358 J	73.2	6.88					
12/10/2012	49 J	1200	51000	56 J	250 U	650	15	280	3900	78 J	120 J	250 UJ	0.13 J	689	965	293	5.95					
4/4/2013	68	840	28000	58	35 J	1000	32	430	4400	140	190	50 U	0.2 U	60.5	1300	249	7.41					
7/12/2013	63 J	1400	21000	70 J	250 U	1300	34	340	4700	49 J	100 J	250 U	0.2 U	36.7	1150	220	7.34					
10/11/2013	86 J	830	31000	76 J	250 U	1800	30	400	8400	58 J	93 J	250 U	0.4 U	63.6	293	219	6.76					
12/12/2013	42 J	490	40000	66	49 J	1100	27	300	6200	89	270	50 U	0.4 U	72.9	927	228	6.99					
4/8/2014	60 J	1500	50000	94 J	76 J	2100	55	450	7100	100 U	69 J	100 U	0.4 U	81.3	1750	136	7.12					
8/21/2014	100 U	330	57000	110	78 J	2700	36	380	7300	100 U	97 J	100 U	0.4 U	90.4	942	168	6.82					
12/9/2014	25	450	34000	72	39	2400	27	410	8800	13 J	64	20 U	0.056 J	50.7	1170	161	6.86					
4/1/2015	19 J	230	32000	90	35	7500	34	1100	10000	20 U	46	20 U	0.0398 J	51.5	644	133	5.34					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 7S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
7/1/2011	5 U	5 U	2 J	5 U	5 U	14	1.2 J	2.8 J	52 J	5 U	9.2	5 U	3.14	6.9	4820	0.16 U	6.53					
8/26/2011	5 U	5 U	13	5 U	5 U	11	5 U	1.2 J	18	5 U	140	5 U	0.45	7.6	4530	0.16 U	5.68					
11/10/2011	5 U	5 U	3 J	5 U	5 U	14	2 J	4.7 J	85	5 U	41	5 U	3.17	6	3840	0.16 U	6.66					
3/27/2012	5 U	5 U	11	5 U	5 U	1.7 J	5 U	5 U	7.4 J	5 U	84	5 U	0.0784 J	6.3	3990	0.16 U						
6/22/2012	5 U	5 U	3.7 J	5 U	5 U	2.8 J	5 U	5 U	10 J	5 UJ	54	5 U	0.473	6.3	4090 J	0.16 U	6.46					
9/27/2012	5 U	5 U	3.7 J	5 U	5 U	11	1 J	5 U	47	5 U	60	5 U	0.607	5.1	3900	0.16 U	6.77					
12/6/2012	5 U	5 U	9.8	5 U	5 U	5 U	5 U	5 U	4.9 J	5 U	150	5 U	0.306	3.5	2620	0.16 U	6.47					
4/5/2013	5 U	5 U	3.7 J	5 U	5 U	4.3 J	5 U	1.7 J	24 J	5 U	49	5 U	0.621	4	3300	0.16 U						
7/17/2013	5 U	5 U	5	5 U	5 U	1.3 J	5 U	5 U	6.9	5 U	78	5 U	1.36	4.5	3060	0.16 U	6.81					
10/17/2013	5 U	5 U	6.6	5 U	5 U	1.8 J	5 U	5 U	9.1	5 U	99	5 U	0.594	4.3	2900	0.16 U	6.55					
12/11/2013	5 U	5 U	4.9 J	5 U	5 U	1.2 J	5 U	5 U	3.9 J	5 U	83	5 U	2.76	5.3	2120	0.16 U						
4/16/2014	1 U	1 U	2	1 U	1 U	1.4	5 U	5 U	5.9	1 U	45	1 U	0.4 U	4	1140	0.16 U						
8/20/2014	1 U	1 U	5.6	1 U	1 U	1.6	5 U	5 U	4.3 J	1 U	120	2.1	2.35	16.7	1180	0.16 U						
12/12/2014	1 U	1 U	3.4	1 U	1 U	2.8	5 U	5 U	5.7	1 U	78	1.1	0.0418 J	4.9	1010	0.16 U	6.8					
3/31/2015	1 U	1 U	2.2	1 U	1 U	1.9	5 U	5 U	10	1 UJ	51	1 U	0.166 J	3.6	1590	0.16 U						
10/21/2015	1 U	1 U	5.1	1 U	1 U	10	1.1 J	2.4 J	61	1 U	76	1 U	0.963	4.5			6.72					
5/12/2016	1.0 U	0.58 J	8.1	1.0 U	1.0 U	3.8	5.0 U	5.0 U	5.0 U	1.0 U	100	1.0 U	0.400 U	5	3300	0.10 U	6.94					

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 8D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloro	1,1-Dichloro	Chloro	Dissolved	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
										ethane (µg/L)	ethane (µg/L)	ethane (µg/L)	Iron (mg/L)									
1/14/2008	1200 J	240000	28000	5.0 U	5.0 U	1100 J	5.1	17	78	5.0 U	5.0 U	5.0 U		10.6	1590							
7/23/2008	1000 U	2900 J	110000	300 J	240 J	1500 J	7.2	29	100	1000 U	1000 U	1000 U		551	1810							
9/29/2008	240 J	34000	76000	420 J	200 J	2100	5.9	16	92	2500 U	2500 U	2500 U		190	2410							
12/15/2008	600 J	66000	48000	310 J	95 J	2300	6.2	2	4.6	5.0 U	5.0 U	5.0 U		263	1210							
6/2/2009	400 J	26000	21000	1000 U	1000 U	1200	8	39	400	1000 U	1000 U	1000 U	0.0567 J	166	1810	191						
10/8/2009	260 J	35000	54000 J	150 J	130 J	1900	6.1	32	100	1000 U	1000 U	1000 U	0.0317 U	101	2110	132						
7/15/2010	200	45000	48000	120	98 J	1500	7.1	89	74	100 U	32 J	100 U	0.2 U	105	2300 J	170						
8/31/2011	170	27000	31000	82 J	77 J	2000	5.1	37	180	17 J	23 J	100 U	0.2 U	70.7	1720	249	7.03					
3/26/2012	400 J	24000	20000	73	74	1800 J	8.9	93	1800	110	45	5 U	0.2 U	57.1	1740	186	6.86					
6/22/2012	240	18000	15000	46 J	45 J	1000	6.6	82	1400	470 J	39 J	100 U	0.2 U	28.4	1700 J	131	6.95					
9/18/2012	170	12000	19000	67	63	1900	17	210	2100	120	30 J	50 U	0.2 U	38.4	1650	148	6.97					
12/13/2012	52 J	1600	15000	51 J	40 J	1900	9.4	190	2800	100 U	100 U	100 U	0.2 U	299	1480	258	6.06					
4/8/2013	33	3400	31000	73	43	1800	6	97	2700	18	34	10 U	0.2 U	209	1510	247	6.93					
7/19/2013	250 U	4600	33000	79 J	250 U	2300	8.3	130	1800	250 U	250 U	250 U	0.2 U	117	1790	157	6.65					
10/18/2013	52 J	9900	44000	250 U	250 U	3000	19	350	3000	250 U	250 U	250 U	0.4 U	129	1230	190	6.23					
12/6/2013	80 J	19000	50000	95 J	72 J	2700	24	310	3700	250 U	250 U	250 U	0.4 U	194	1340	126	6.65					
4/14/2014	26 J	3500	35000	79	43	2800	29	370	6400	20 U	23	20 U	0.0866 J	117	986	121	6.67					
8/22/2014	20 U	1800	23000	65	38	3100	19	270	3200	20 U	20	20 U	0.4 U	52.9	2010	142	6.93					
12/11/2014	50 U	5100	39000	99	66	4200	17	630	3300	50 U	29 J	50 U	0.4 U	76.4	1860	153	7.36					
4/1/2015	29 J	7100	37000	85	51	3800	28	590	5800	50 U	26 J	50 U	0.4 U	39.1	859	148	7.6					
10/16/2015	100 U	7000	34000	91 J	100 U	3400	9.4	400	2700	100 U	100 U	100 U	0.4 U	93.8			7.01					
5/10/2016	17	4400 D	27000 D	88	63	1700 DJ	14	550 D	3600 D	3.9 J	25	5.0 U	0.400 U	109	1690	154	6.93					
9/29/2016	2000 UJ	10000 J	42000 J	2000 UJ	2000 UJ	3100 J	10	280	2500	2000 UJ	2000 UJ	2000 UJ	0.100 U	120			6.99					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 8S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/28/2011	25 U	21 J	1800	13 J	18 J	140	2.3 J	6.6	86	260	110	25 U	19.1	608	1330 J	2.5	6.42					
8/25/2011	2.3 J	67	3500	18	16	380	2.6 J	23	310	240	89	13 U	0.379	291	1480 J	74.2	6.7					
11/10/2011	5 U	9.7	870	14	4.6 J	320	8.3	300	2300	83	67	4.8 J	0.158 J	41.3	1080	24.8	6.25					
3/27/2012	5 U	3.6 J	93	6.6	5 U	85	17	210	3300	24	27	3.2 J	0.986	16.7	1770	21.7	6.82					
6/22/2012	5 U	5 U	45	6.7	5 U	48	11	280	2500	25 J	29	1.5 J	0.652	16.6	2210 J	15.1	6.43					
9/26/2012	5 U	1.2 J	28	6.6	5 U	52	19	340	4100	24	30	14	0.68	52.4	823	22.9	6.76					
12/6/2012	5 U	4.4 J	310	4.5 J	1.6 J	210	13	160	5800	26	22	2.2 J	3.6	11	1460	8.6	6.56					
4/5/2013	5 U	2 J	63	1.6 J	5 U	150	18	280	4000 J	14	13	4.9 J	3.5	7.8	1670	13.6	6.61					
7/17/2013	5 U	3.3 J	150	2.2 J	5 U	200	17	320	5200	9.2	12	1.4 J	1.7	9.6	1790	15.6	6.8					
10/8/2013	5 U	2.6 J	60	2.7 J	5 U	89	11	130	11000	8.3	12	2.6 J	2	10.4	1110	17	6.59					
12/11/2013	5 U	4.1 J	39	3.8 J	5 U	50	24	310	12000	15	14	1.7 J	0.953	16.3	1100	16.5	6.78					
4/15/2014	1 U	1.7	12	0.72 J	1 U	12	13	32	4600	2.9	2.7	1 U	2.41	6.6	301	0.17	6.55					
8/19/2014	1 U	2.5	540	5.5	1.4	400	24	280	8400	5.5	6.2	1 U	0.0996 J	13.9	503	25.7						
12/2/2014	1 U	1 U	4.2	1 U	1 U	2.3	5 U	3.5 J	320	1 U	0.65 J	1 U	0.318 J	5.2	204	0.16 U	6.99					
3/27/2015	1 U	1.3	63	1.5	1 U	57	9.2	22	2700 J	3.8	3	1 U	0.857	10.1	356	0.17	7.95					

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µg/L micrograms per liter
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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 9D

Date	PCE	TCE	Cis-1,2- DCE	Trans-1,2- DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1- Trichloro ethane	1,1- Dichloro ethane	Chloro ethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)						
6/27/2011	2500	360000	57000	500 U	160 J	440 J	5.7	8.7	50	400 J	500 U	500 U	0.184 J	15.2	1070	4.5	7.08					
8/25/2011	1900	80000	130000	360 J	270 J	280 J	5.3	5.8	37	1600	500 U	500 U	1.08	1170	518 J	21.3	6.38					
11/7/2011	1900 J	190000	200000	2500 U	440 J	530 J	4.6 J	14	120	1200 J	2500 U	2500 U	0.165 J	281	249	127	6.41					
3/28/2012	900 J	150000	170000	220 J	330 J	650 J	8.9	87	850	400 J	1000 U	1000 U	0.2 U	118	361	99.1	6.41					
6/22/2012	600	77000	86000	120 J	170 J	610	23	110	3500	790 J	500 U	500 U	0.2 U	61.7	267 J	124	6.8					
9/26/2012	450 J	67000	120000	200 J	330 J	3500	29	120	1700	120 J	500 U	500 U	0.2 U	109	5.1	130	6.7					
12/7/2012	1900	73000	170000	290 J	190 J	810	64	100	820	200 J	500 U	500 UJ	5.94	4420	15.8	87.2	5.91					
4/8/2013	1000	52000	200000	330	160	1300	45	340	1200	100 U	51 J	100 U	116	2110	43.3	6	6.09					
7/9/2013	680	51000	190000	180 J	240 J	1700	70	1200	5700	250 U	250 U	250 U	113	1040	46.4	2.6	6.44					
10/16/2013	2500 U	7700	170000	2500 U	500 J	18000	70	1600	4900	1500 J	2500 U	2500 U	153	830	26.8	0.82	6.16					
12/11/2013	650	75000	160000	210 J	420 J	31000	62	1900	4400	500 UJ	500 U	500 U	30.9	381	102	8.1	6.59					
4/9/2014	38	1600	47000	120	160	70000	39	3000	3000	20 U	20 J	20 U	123	397	12.4	0.34	7.41					
8/19/2014	85	16000	110000	160	210	18000	59	3300	8800	50 U	50 U	50 U	1.27	160	72.8	48	6.86					
12/9/2014	640	47000	90000	100	160	5000	33	11000	12000	100 U	100 U	100 U	17.6	255	49.2	5.1	6.72					
4/1/2015	270	30000	64000	110	170	10000	28	3600	6100	50 U	50 U	50 U	16.7	124	25.7	8.2	5.07					
10/15/2015	200 U	12000	76000	200 U	160 J	5400	89	10000	13000	200 U	200 U	200 U	69.7	226			7.52					
5/16/2016	5.0 U	120	4200 D	14	10	700	54	8700 D	13000 D	5.0 U	7	5.0 U	70.9	402	5.0 U	0.15	7.24					
9/29/2016	1000 UJ	2900	26000	1000 U	1000 U	19000	240 J	14000 J	9100 J	1000 UJ	1000 U	1000 U	59	300			7					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW- 9S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/30/2011	13 U	2000	1200	10 J	5.8 J	84	13	12	130	13 U	13 U	2.7 J	0.2 U	4.6 J	3070 J	0.16 U	6.55	4.8E+00	2.9 U	1.2E+01	0.5 U	0.2 J
8/23/2011	10 U	2900	1700	14	9.7 J	91	14	9.6	120 J	10 U	10 U	5.7 J	0.0324 J	4.9	3450 J	0.16 U	7.4	0.2 J	1.2E+02	2.1E+00	0.5 U	5.0E-01
11/2/2011	25 U	2800	1800	17 J	9.5 J	66	5.4	2.8 J	30	25 U	25 U	9.1 J	0.0898 J	3.4	5 U	0.16 U	6.51	0.4 U	1.0E+04	2.0E+01	0.4 J	0.1 J
3/22/2012	25 U	3400	3000	32	11 J	81	4.9 J	2.4 J	26	25 U	25 U	10 J	0.2 U	3.9	3780	0.16 U	6.51	6.8E+00	3.2E+03	1.5E+02	1.1E+01	0.3 J
6/21/2012	5 U	5100	2700	32	14	93	8.8	7.1	91	1.5 J	5 U	8.4	0.033 J	3.4	3010 J	0.16 U	6.75	1.0E+00	1.2E+02	4.1E+02	3.9E+01	1.8E+00
9/24/2012	10 U	2400	1300	15	5.3 J	49	6	10	88	10 U	10 U	10 U	0.262	4.7	3380	0.16 U	6.48	0.7 U	0.5 J	0.7 U	0.7 U	0.7 U
12/4/2012	50 U	4100	6500	62	12 J	12 J	2 J	5 U	5 U	50 U	50 U	50 U	0.0839 J	4.6	3420	0.16 U	7.07	0.5 U	3.2E+01	2.8E+00	0.5 U	0.5 U
4/8/2013	5 U	4700	2500	27	11	49	3.8 J	2.7 J	51	1.6 J	5 U	5.2	0.2 U	2.7	2930	0.16 U	6.81	1.6E+00	4.9E+01	2.6E+00	4.3E+00	0.5 U
7/16/2013	25 U	5400	2500	21 J	8.9 J	40	3.1 J	2.3 J	53	25 UJ	25 U	25 U	0.2 U	2.7	3310	0.16 U	6.87	0.5 U	8.1E+01	5.4E+00	4.7E+00	0.5 U
10/15/2013	25 U	5700	3800	32	9.9 J	42	4.8 J	3.1 J	79	25 U	25 U	25 U	0.4 U	3.2	2870	0.16 U	6.63	0.5 U	2.4E+01	2.3E+00	9.0E-01	0.5 U
12/4/2013	50 U	3900	2100	18 J	50 U	30 J	3.5 J	1.7 J	43	50 U	50 U	50 U	0.0943 J	5	1990 J	0.16 U	6.84	1.1E+02	3.8E+01	3.3E+02	3.0E+02	1.1E+00
4/8/2014	10 U	4000	1700	14	6.5 J	43	6.9	4.5 J	140	10 U	10 U	10 U	0.4 U	5.1	2610	0.16 U	6.87	0.3 J	6.0E+01	1.5E+00	0.1 J	0.4 J
8/13/2014	10 U	5000	8900	85	13	110	13	13	720	10 U	10 U	10 U	0.0462 J	6	2630	0.16 U	6.58	1.7E+00	4.5E+01	9.9E+01	8.0E-01	0.2 J
12/2/2014	5 U	4200	4200	30	8.3	52	5.5	4.6 J	120	5 U	5 U	5 U	0.0462 J	4.6	1450	0.16 U	6.78	0.5 U	1.2E+02	8.6E+01	6.0E-01	0.1 J
3/24/2015	1 U	2300	2900	34	7.6	49	5.8	3.5 J	270 J	1 U	1 U	0.91 J	0.4 U	2.4	1870	0.16 U	7.1	3.1E+00	4.7E+01	8.0E+01	5.9E-01	7.0E-01
10/22/2015	10 U	5800	4200	31	11	110	5.9	9	91	10 U	10 U	10 U	0.055 J	2.6			6.65					
5/9/2016	1.0 U	2400 D	3400 D	28	7.6	11	1.3 J	5.0 U	17	1.0 U	1.0 U	0.64 J	0.400 U	6.1	1710	0.10 U	7.11	0.5 U	1.2E+03	9.5E+01	0.2 J	2.2E+01

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R The sample results are rejected

µg/L micrograms per liter
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cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-10D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
6/27/2011	170	5400	7300	15 J	82	260 J	1.3 J	12	48	1500	94	50 U	0.434	6.8	913	0.74	7.43					
8/25/2011	680	18000 J	12000	250 U	48 J	71 J	10	4.1 J	43	3300	250 U	250 U	6.28	8380	332 J	43.4	5.93					
11/4/2011	60	5800	14000	26 J	41 J	100	19	20	48	1800	130	50 U	14.2	637	41.7	110	6.2					
3/26/2012	68	12000	28000	47 J	53	220	33	75	170	410	190	50 U	52.1	648	44	30.9	5.87					
6/26/2012	250 U	750	30000	42 J	83 J	210 J	27	120	810	250	240 J	250 UJ	69.5	450	53.8	4.8	6.09					
9/24/2012	100 U	1000	24000	30 J	52 J	360	21	77	1600	130	200	100 U	46.1 J	310	27.4	2.8	6.39					
12/12/2012	350 J	52000	190000	1000 U	1000 U	520 J	9.1	35	980	370 J	1000 U	1000 UJ	42.4	878	6.7	4.7	5.79					
4/11/2013	170 J	7600	140000	1000 U	210 J	3300	15	280	1200	380 J	260 J	1000 U	124	652	22.9	7.9	5.98					
7/9/2013	21 J	860	91000	90 J	120	3400	12	360	2800	220	210	100 U	50.4	414	4.1 J	13.3	6.42					
10/14/2013	1000 U	740 J	99000	1000 U	190 J	23000	24	1700	7700	1000 U	230 J	1000 U	141	520	2.3 J	3.5	6.02					
12/12/2013	500 U	3100	87000	91 J	170 J	17000	18	2000	5600	160 J	240 J	500 U	63.2	452	19.1	11	6.21					
4/9/2014	20 U	360	37000	63	59	14000	27	8300	11000	68	150	20 U	82	325	5 U	1.8	7.03					
8/21/2014	100 U	800	87000	110	150	15000	28	6500	8300	160	360	100 U	13.1	434	7.7	11.2	6.37					
12/9/2014	50 U	3200	76000	95	110	11000	19	5600	9800	190	340	50 U	5.55	436	20	35.2	6.55					
4/1/2015	11 J	960	32000	55	49	7700	20	8900	8000	85	190	20 U	6.69	262	6.8	15.9	6.95					
10/13/2015	24	1100	30000	61	44	2500	23	12000	8500	180	370	2 U	19.6	387			7.23					
5/17/2016	15	1300 D	19000 D	55	42	4100 D	25	9600 D	9600 D	110	350	2.0 U	19.4	488	12.4	21.4	6.96					
9/29/2016	500 U	800	15000	500 U	500 U	3600	51 J	5800 J	5300 J	500 U	280 J	500 UJ	19	520			5.93					

D Result reported from a secondary dilution analysis.
J Indicates an estimated value.
J- Indicates estimated value, biased low.
J+ Indicates estimated value, biased high.
R The sample results are rejected.
U Analyte was not detected above the reporting limit.
UJ The analyte was not detected. The reporting limit is an approximate value.

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-10S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/30/2011	5 U	5 U	1.5 J	5 U	5 U	23	1.8 J	1.1 J	19	5 U	5 U	5 U	0.0776 J	6.2 J	2980 J	0.16 U	6.06	0.5 U	3.3E+01	4.6E+00	0.5 U	7.0E-01
8/25/2011	5 U	5 U	5 U	5 U	5 U	1.9 J	5 U	5 U	6 J	5 U	5 U	5 U	0.152 J	5.5	3550 J	0.16 U	6.73	0.5 J	3.3E+02	1.9E+00	0.3 J	0.3 J
11/3/2011	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6.4 J	5 U	5 U	5 U	0.245	2.7	3080	0.16 U	7.04	0.7 U	1.2E+02	0.7 U	0.7 U	0.7 U
3/22/2012	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 J	5 U	5 U	5 U	0.2 U	2.5	3150	0.16 U	6.94	5.8E+00	4.2E+01	1.6E+01	0.5 U	5.0E+00
6/25/2012	5 U	5 U	5 U	5 U	5 U	2.7 J	5 U	5 U	13 J	5 U	5 U	5 U	0.2 U	2.4	2820	0.16 U	6.87	0.5 U	3.8E+01	1.9E+00	0.5 U	0.2 J
9/24/2012	5 U	2.6 J	1.7 J	5 U	5 U	5 U	5 U	5 U	6.8 J	5 U	5 U	5 U	0.2 U	2.8	2980	0.16 U		0.5 J	1.6E+01	3.3E+00	1.0E+00	0.5 U
12/4/2012	5 U	1.4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.2 U	2.6	2930	0.16 U	7.15	0.5 U	3.3E+00	0.5 J	0.5 U	0.5 U
4/4/2013	5 U	5 U	5 U	5 U	5 U	3.2 J	1 J	5 U	44	5 U	5 U	5 U	0.2 U	2	2770	0.16 U		0.5 U	1.9E+02	4.1E+00	0.5 U	0.5 U
7/16/2013	5 U	7.6	0.96 J	5 U	5 U	1.3 J	5 U	5 U	7.6	5 UJ	5 U	5 U	0.2 U	1.9	2840	0.16 U	7	0.5 U	2.4 J	4.5E+00	4.2E+00	0.5 U
10/10/2013	5 U	1.3 J	5 U	5 U	5 U	4.3 J	1.4 J	5 U	72	5 U	5 U	5 U	0.4 U	2.8	2710	0.16 U		0.5 U	1.1E+01	2.6E+00	8.0E-01	0.5 U
12/4/2013	5 U	5 U	5 U	5 U	5 U	4.2 J	1.3 J	5 U	50	5 U	5 U	5 U	0.4 U	5.3	2550 J	0.16 U		8.0E-01	4 J	6.3E+00	4.7E+00	0.1 J
4/10/2014	1 U	1 U	1 U	1 U	1 U	2.9	5 U	5 U	33	1 U	1 U	1 U	0.4 U	3.8	2690	0.16 U	6.53	2.2E+00	8.2E+00	4.1E+00	0.1 J	0.2 J
8/12/2014	1 U	0.87 J	1 U	1 U	1 U	1 U	5 U	5 U	5 U	1 U	1 U	1 U	0.4 U	3.2	2190	0.16 U	6.98	1.9E+00	1.2E+03	3.8E+01	7.0E-01	0.1 J
12/9/2014	1 U	1 U	1 U	1 U	1 U	2.8	5 U	5 U	18	1 U	1 U	1 U	0.4 U	1.3	2760	0.16 U		1.1E+00	4.1E+01	1.3E+01	0.5 U	0.5 U
3/26/2015	1 U	1 U	1 U	1 U	1 U	3	5 U	1.1 J	20	1 U	1 U	1 U	0.4 U	1.9	2180	0.16 U		3.0E+00	1.3E+01	6.9E+01	0.1 J	6.0E-01

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-11D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
6/29/2011	560	11000	2200	250 U	1000	78 J	2.3 J	2.5 J	16	78000	680	250 U	0.445	3.5	797 J	0.67	6.67	6.9E+01	1.8E+01	3.7E+01	3.3E+00	3.1E+00
8/25/2011	500	7600	2400	250 U	490	250 U	5 U	5 U	8.3 J	48000	270	250 U	0.495	11	833 J	10	5.36	2.7E+01	1.4E+03	7.1E+02	1.2E+02	1.2E+02
11/1/2011	46 J	570	1800	50 U	45 J	56	9	1.7 J	25	6600	110	50 U	0.562	129	425	39.1	6.65	1.1E+02	3.9E+03	5.7E+02	4.2E+02	2.6E+02
3/21/2012	200 J	4000	7200	250 U	400	64 J	47	7.8	79	46000	680	250 U	12.9	115	583 J	11.7	5.45	2.8E+02	2.0E+03	1.5E+03	1.2E+02	1.1E+03
6/21/2012	330	3900	7800	23 J	620	29	25	3.1 J	21	72000	520	25 U	3.46	26.8	752	12	6.31	8.6E+01	1.6E+03	7.1E+02	2.0E+01	2.2E+03
9/20/2012	440	2400	3600	15	310	11	7.4	5 U	9.3 J	43000	310	10 U	0.692	8.6	542	5.2	6.72	5.3E+00	1.7E+02	3.1E+01	2.1E+00	3.0E+01
12/6/2012	81 J	1300	7100	22 J	960	64 J	19	3.8 J	35	29000	460	100 U	0.26	268	309	73.9	6.3	4.8E+00	1.1E+01	1.1E+02	1.3E+02	1.5E+01
4/8/2013	120	670	5800	31	1900	240	4.1 J	18	190	32000	470	25 U	0.753	32.6	520	34.9	6.73	1.9E+03	1.6E+03	3.3E+02	1.9E+02	2.5E+01
7/10/2013	110	760	8200	31 J	370	1000	15	48	470	30000	800	50 U	0.215	21.6	409	63.6	7.12	7.1E+02	2.3E+02	1.3E+03	7.0E+02	7.7E+02
10/16/2013	83 J	480	5600	20 J	240	700	6.7	25	260	22000	480	100 U	0.254 J	9.9	492	33.2	6.65	4.3E+04	1.8E+03	9.9E+04	4.2E+04	5.5E+01
12/4/2013	130 J	650	3300	250 U	170 J	370	5.5	16	190	15000	360	250 U	0.163 J	11.6	532 J	22.1	7.2	1.1E+05	1.7E+03	2.8E+05	2.8E+05	2.0E+03
4/10/2014	79	330	2800	10	310	180	3.5 J	11	120	14000	310	10 U	0.194 J	7.5	630	11.9	7.21	7.1E+04	7.5E+02	2.9E+05	2.0E+03	3.5E+04
8/13/2014	54	340	5100	22	340	570	5.7	39	410	17000	800	20 U	0.0829 J	11.3	472	70.4	7.02	2.1E+05	3.0E+03	7.6E+05	9.1E+03	4.7E+04
12/3/2014	40	180	3800	15	340	450	2.8 J	27	230	13000	530	5 U	0.144 J	4.8	498	40.7	7.02	3.3E+04	1.4E+03	7.2E+04	1.6E+03	1.1E+03
3/25/2015	26	130	2600	14	180	300	17	13	480	6600	730	1.7	0.177 J	60.6	245	27.3	6.83	2.3E+04	1.2E+03	6.2E+04	1.4E+03	1.9E+03
10/14/2015	46	300	3700	15	340	360	8.2	33	490	15000	680	2 U	0.129 J	9.8			7.43					
5/5/2016	36 D	240 D	3100 D	15 D	250 D	540 D	4.9 J	42	1100 D	10000	730 D	10 U	0.037 J	5.4	440	73.1	7.6	5.6E+04	9.3E+03	3.2E+05	4.3E+03	5.9E+03
9/28/2016	830 U	250 J	3300	830 U	690 J	440 J	2.2	18	390	17000	790 J	830 UJ	0.066 J	4.1			7.16					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-11S

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/27/2011	5 U	320	11000	210	31	2300 J	19	110	150	1.7 J	42	5 U	0.0568 J	5.2	2230	0.16 U	6.94					
8/26/2011	50 U	270	17000	210	38 J	3600	29	140	280	50 U	38 J	50 U	0.356	4.9	2110	0.16 U	6.66					
11/9/2011	50 U	170	8600	140	18 J	760	21	59	160	50 U	32 J	50 U	0.0367 J	2.3	2330	0.16 U	6.77					
3/20/2012	100 U	170	9100	170	27 J	2000	25	100	1900	100 U	41 J	100 U	0.11 J	2.2	1800 J	0.16 U	6.32					
6/20/2012	25 U	320	13000	230	32	2600	32	170	1800	25 UJ	47	25 U	0.27	2.1	1880	0.16 U	6.95					
9/25/2012	100 U	390	17000	270	42 J	3600	40	300	1100	100 U	46 J	100 U	0.814	1.9	1960 J	0.16 U	6.84					
12/6/2012	50 U	340	16000	220	31 J	2400	27	180	1200	50 U	43 J	50 U	0.552	2	1960	0.16 U	6.67					
4/4/2013	25 U	310	15000	220	33	3100	40	390	5000	25 U	42	25 U	0.714	2.5	1650	0.16 U	7.01					
7/18/2013	50 U	230	12000	200	25 J	2200	26	220	5700	50 U	36 J	50 U	0.593	2.7	1470	0.16 U	6.63					
10/9/2013	130 U	250	16000	210	33 J	3000	43	400	2500	130 U	42 J	130 U	1.08	2.7	1690	0.16 U	6.51					
12/9/2013	50 U	170	12000	180	27 J	2100	30	210	3500	50 U	38 J	50 U	0.768	4.3	1850	0.16 U	6.48					
4/8/2014	5 U	220	10000	170	28	2200	32	280	4300	5 U	30	5 U	0.926	8.2	1450	0.16 U	6.45					
8/19/2014	10 U	230	15000	220	31	2900	35	270	5000	10 U	41	10 U	1.36	3.3	1610	0.16 U	6.82					
12/2/2014	1 U	290	13000	260	37	2300	35	270	4100	1.1	48	1 U	1.19	4.8	1830	0.16 U	6.59					
3/26/2015	5 U	130	9700	150	18	1800	24	110	4200 J	5 U	29	5 U	0.355 J	2.6	1720	0.16 U	7.42					
10/22/2015	20 U	75	7700	130	16 J	2700	26	420	4400	20 U	35	20 U	3.1	3.8			6.35					
5/13/2016	20 U	150	11000 D	190	22	1800	24	150	6500 D	20 U	33	20 U	0.736	2.6	2120	0.10 U	6.5					

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D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-12D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
6/27/2011	2900	29000	19000	1000 U	460 J	740 J	9.7	41	85	660 J	1000 U	1000 U	2.25	47.7	792	16.2	7.6					
8/24/2011	6000	270000	95000	120 J	260 J	950	140 J	1900 J	180 J	140 J	500 U	500 U	22.7	818	645	1.8	6.6					
11/7/2011	1800 J	140000	250000	2500 U	570 J	910 J	100	1100	180	2500 U	2500 U	2500 U	26.1	242	780	3.6	6.88					
3/29/2012	2500 U	2500 U	370000	2500 U	1100 J	2500 U	49	210	86	2500 U	2500 U	2500 U	85.1	221	459 J	0.079 J	7.04					
6/26/2012	1000 U	850 J	350000	1000 U	910 J	210 J	38	140	110	1000 U	1000 U	1000 U	59.8	169	291	0.16 U	7.17					
9/25/2012	190 J	5600	250000	1000 U	600 J	280 J	36	120	120	200 J	1000 U	1000 U	1.65	87.8	6.5 J	16.2	7.67					
12/10/2012	380	1100	98000	140 J	92 J	460	28	77	210	76 J	90 J	250 UJ	120	3900	3.9 J	6.3	5.18					
4/10/2013	35	1300	19000	53 J	14	120	7.7	8.9	19	8.6 J	16	2.7 J	17.6	92.3	6.8	0.16 U	5.91					
7/18/2013	1000 U	1600	230000	1000 U	340 J	4800	46	440	2100	1000 U	1000 U	1000 U	166	1150	9.4	3	6.31					
10/16/2013	1000 U	6600	160000	1000 U	300 J	33000	33	1200	1900	1000 U	200 J	1000 U	278	1200	16.1	0.53	5.79					
12/12/2013	500 U	5100	200000	160 J	470 J	40000	35	2200	2700	500 U	160 J	500 U	158	799	14.1	2.3	6.6					
4/9/2014	52 J	3800	82000	130	180	70000	28	5100	2400	100 U	99 J	100 U	184	526	5.2	0.65	7.06					
8/18/2014	150 J	19000	120000	230	260	40000	41	12000	7200	200 U	100 J	200 U	25.9	395	10.2	14.6	6.35					
12/10/2014	500 U	36000	150000	500 U	260 J	16000	28	8000	7200	500 U	500 U	500 U	2.23	270	69.1	38.4	6.35					
4/1/2015	350	61000	140000	220	330	17000	19	6800	5900	100 U	72 J	100 U	16.7	207	11.8	12.8	6.26					
10/13/2015	240	43000	120000	220	190	18000	5 U	12000	8700	17	75	2 U	6.83	480			6.64					
5/17/2016	340	52000 D	220000 D	560 D	390	38000 D	24	12000 D	5900 D	12	140	2.0 U	0.435	365	23.8	118	6.83					

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-13D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
6/27/2011	950 J	100000	18000	1000 U	1000 U	500 J	1.5 J	17	66	1100	1000 U	1000 U	1.11	8.9	959	5.7	7.08					
8/24/2011	85 J	5700	45000	81 J	98 J	110 J	4.8 J	7.9	40	1300	81 J	250 U	2.45	953	143	127	6.02					
11/7/2011	2100	170000	73000	110 J	250 J	240 J	24	19	29	750	120 J	500 U	157	4320	139	20.8	5.56					
3/29/2012	1100	190000	99000	140 J	270 J	180 J	15	43	46	470 J	140 J	500 U	8.13	360	179 J	115	5.48					
6/26/2012	370	38000	30000	60 J	150 J	100 J	37	230	37	350	99 J	250 U	69.5	618	104	10.6	6.12					
9/25/2012	570	66000	110000	500 U	480 J	350 J	49	380	80	500 U	120 J	500 U	20.1	367	87.3 J	35.1	6.13					
12/12/2012	3200	280000	120000	500 U	240 J	340 J	14	33	120	280 J	160 J	500 UJ	7.17	25 U	93	69.3	5.78					
4/9/2013	590 J	85000	120000	2500 U	2500 U	520 J	40	200	160	2500 U	2500 U	2500 U	266	1500	46.4 J	2.7	6.21					
7/18/2013	720 J	90000	210000	1000 U	440 J	2800	55	330	950	1000 U	290 J	1000 U	238	1020	45.3	1.6	6.31					
10/16/2013	780 J	98000	250000	2500 U	760 J	6400	69	560	1000	2500 U	2500 U	2500 U	134	715	59.1	6.4	5.87					
12/12/2013	850	130000	230000	100 J	700	25000	57	640	1600	210 J	400 J	500 U	49.5	578	73.9	23.5	6.17					
4/10/2014	150 J	11000	68000	200 U	310	8600	7.9	280	720	200 U	200 U	200 U	11.3	179	33.1	18.3	6.55					
8/22/2014	55 J	8900	82000	83 J	280	15000	24	3900	7000	82 J	130	100 U	14.7	304	13.7	15.5	6.38					
12/10/2014	200 U	16000	120000	110 J	220	14000	18	4600	11000	200 U	130 J	200 U	22.8	314	20.3	11.9	6.13					
3/25/2015	76 J	16000	84000	85 J	220	16000	14	5700	9000	100	120	100 U	8.38	252	22.1	11	5.97					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-14D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
6/27/2011	190	7900	12000	16 J	120	240 J	4.2 J	14	57	3300	150	25 U	2.93	4.7	885	0.43	8.02					
8/24/2011	72	1800	13000	36 J	22 J	64	6.7	5 U	23	2000	80	50 U	1.37	826	227	124	6.15					
11/8/2011	670	5400	29000	99 J	170	540	76	12	30	3500	340	100 U	1.85	2950	40.7 J	134	5.35					
3/29/2012	40 J	4700 J	25000 J	39 J	62 J	530 J	38 J	170 J	91 J	560 J	310 J	25 UJ	77.5	1740	26.6 J	50.1	5.54					
6/27/2012	500 U	19000	57000	500 U	110 J	580	29	140	94	270 J	440 J	500 U	55.6	987	55.3 J	30.3	5.63					
9/27/2012	85 J	23000	65000	82 J	180 J	800	34	310	160	240 J	480	250 U	6.84	826	21.8	65.4	5.57					
11/1/2012														556								
11/19/2012														970								
12/11/2012	130 J	16000	77000	72 J	89 J	570	9.1	92	230 J	500	420	250 U	7.37	1450	76.6	79.9	5.9					
4/9/2013	99 J	2100	95000	500 U	130 J	1100	14	460	1700	740	770	500 U	16.6	765	11.7 J	72.7	5.95					
7/17/2013	500 U	1000	74000	500 U	500 U	1100	12	300	4400	300 J	730	500 U	43	838	2.7 J	88.6	5.88					
10/18/2013	500 U	670	75000	500 U	120 J	1500	22	830	7700	1300	1100	500 U	73.1	719	1.7 J	23.7	5.93					
12/13/2013	500 U	2500	57000	87 J	140 J	9100	37	4100	22000	2100	1300	500 U	38.3	600	8.7	24.5	6.08					
4/8/2014	86 J	9800	120000	120	210	5600	21	2000	3300	1600	1100	100 U	6.2	595	15	80.4	5.97					
8/18/2014	10 U	76 J	6200 J	56	8.9 J	2600	64	15000	19000	44	790	13 J	90.5	682	1.6 J	3.9	7.37					
12/11/2014	150	41000	99000	110	140	5800	29	5500	7500	460	740	50 U	4.18	493	28.8	45.6	6.98					
4/1/2015	74	3400	38000	81	62	6500	37	5400	9300	540	570	50 U	22.6	426	5.8	40.7	6.01					

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cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-15D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-	Trans-1,2-	1,1-DCE (µg/L)	Vinyl	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
			DCE (µg/L)	DCE (µg/L)		Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)											
6/30/2011	69	2200	7900	17 J	69	210	3.1 J	9.8	59	2400	100	50 U	1.32 J	3.3 J	823 J	0.25 J		2.3E+03	4.1E+01	1.1E+03	6.6E+00	4.0E+01
8/29/2011	48 J	780	17000	43 J	90 J	370	6.4	6.6	32	4600	530	100 U	1.08	563	281	84.5	5.93	9.5E+02	3.1E+03	3.5E+02	1.3E+02	4.5E+01
11/1/2011	44 J	1900	15000	47 J	140	510	24	9	44	11000	990	100 U	21	303	56	103	6.27	1.6E+03	1.2E+04	1.3E+03	8.0E+01	5.1E+02
3/22/2012	12 J	760	5100	30	79	5100	54	45	1300	5000	1100	25 U	11.4	307	26.4	15.8	6.23					
6/21/2012	48	2900	10000	44	320	1500	19	66	900	49000 J	3000	25 U	0.0574 J	134	133 J	127	6.94	3.6E+05	3.3E+04	1.5E+06	8.1E+03	4.4E+04
9/20/2012	67	2900	14000	50	530	970	12	22	260	58000	3800	10 U	0.137 J	108	106	153	6.94	5.3E+04	7.4E+03	3.7E+05	2.9E+04	1.5E+05
11/1/2012														94.8								
11/19/2012														2090								
12/4/2012	18 J	540	19000	33 J	210	550	3.8 J	10	76	7700	1600	100 U	0.15 J	739	44.3	238	6.24	1.7E+01	2.5E+02	1.1E+02	7.9E+01	1.1E+01
4/10/2013	60 J	3200	14000	27 J	620	370	17	19	270	48000	3100	100 U	0.85	421	139	125	6.34	3.1E+04	3.8E+04	1.6E+04	4.6E+04	7.8E+02
7/10/2013	22 J	1100	10000	33	480	4100	280	140	1600	16000	7400	17 J	40.8	480	3.2 J	84.6	7.29	1.2E+05	1.6E+05	7.5E+04	3.6E+05	1.0E+02
10/16/2013	71	1400	2200	59	200	11000	380	210	1100	10000	9200	29 J	33.3	319	3.1 J	0.58	6.22	3.2E+05	1.7E+04	1.1E+06	9.2E+05	2.4E+01
12/4/2013	140	840	1800	73 J	150	9700	980	260	820	3400	13000	100	1.27	223	3.7 J	124	6.88	6.8E+04	8.7E+04	2.3E+05	2.1E+05	4.4E+02
4/10/2014	600	5400	7700	50 U	690	720	32	100	1000	42000	3000	50 U	0.114 J	194	46.5	139		4.4E+04	1.5E+04	1.0E+05	1.5E+03	1.8E+03
8/12/2014	620	5200	9400	100 U	970	2200	76	210	1900	51000	4000	100 U	0.234 J	158	32.9	139	7.13	4.2E+05	1.5E+04	2.1E+06	3.5E+04	4.7E+03
12/4/2014	3.3	2.5	5.6	9.7	0.65 J	340	250	850	3700	28	2300	64	4.87	36.4	5 U	0.16 U	7.43	5.2E+05	1.7E+04	2.3E+06	4.7E+04	1.9E+04
3/24/2015	110	470	4500	15	230	2000	230	130	1500 J	4000	5300	32	14.3	127	5 U	0.075 J	7.11	9.1E+04	9.2E+03	1.4E+05	6.7E+03	8.5E+02
10/15/2015	67	550	3100	18 J	230	1100	15	220	6400	10000	1600	20 U	0.464	101			6.55					
5/9/2016	40	50	1400 D	11	140	830 D	160	110	1300 D	1700 D	3100 D	35	0.206 J	115	16.5	57.2	7.78	1.4E+05	1.6E+05	3.3E+05	1.0E+04	8.4E+03

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mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-15S

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE		Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
		TCE (µg/L)	DCE (µg/L)	DCE (µg/L)							Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
3/22/2012																			8.7E+05	7.8E+03	3.3E+06	7.2E+02	1.4E+04

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-16D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
6/24/2011	610	41000	24000	250 U	140 J	390	1.4 J	13	53	1800	120 J	250 U	0.661	7.1	801	3.4	7.36					
8/24/2011	70	5200	2100	7.5 J	4.4 J	13 J	2.8 J	5 U	13 J	15 J	25 U	25 U	0.054 J	33.8	39.4	1.1	12.19					
11/8/2011	110	9900	5700	14 J	13 J	43 J	7.5	1.2 J	27	59	18 J	50 U	0.0976 J	80.5	91.5 J	7.2	12.65					
3/28/2012	13	110	110	5 U	5 U	3.3 J	5 U	5 U	15	5 U	5 U	5 U	0.2 U	2.5	30.3	0.16 U	10.48					
6/27/2012	30	1200	3000	9.8 J	7.1 J	530	3 J	7.1	57	39	17 J	25 U	0.244	20.9	44.4 J	2.6	11.59					
9/25/2012	16	240	220	0.81 J	5 U	56	5 U	5 U	10 J	4.8 J	1.2 J	5 U	0.2 U	7.3	27.4 J	0.28	11.14					
12/11/2012	130 J	5500	67000	47 J	56 J	470	5.6	45	330 J	770	430	250 U	0.107 J	728	219	182	6.14					
4/10/2013	160 J	5300	47000	41 J	92 J	1500	11	730	1500	1500	950	250 U	0.988	370	28.7	103	6.29					
7/18/2013	330 J	12000	64000	500 U	220 J	1000	6.8	170	940	8900	2000	500 U	0.111 J	294	16.5	172	6.34					
10/18/2013	380	12000	40000	42 J	300	640	5.7	59	290	18000	2000	250 U	0.4 U	183	91.1	191	6.16					
12/12/2013	430	15000	52000	60 J	320	810	9.9	140	700	15000	1900	100 U	0.4 U	214	32.7	182	6.27					
4/10/2014	290	23000	87000	88 J	260	2700	15	490	1800	4300	830	100 U	0.822	262	17.4	104	6.48					
8/18/2014	520	35000	170000	170 J	400	6100	22	810	3200	6300	1200	200 U	0.216 J	347	19.7	132	6.55					
12/9/2014	350	19000	160000	200 J	350	7200	18	1600	6500	2000	550	200 U	0.373 J	335	7.6	99.3	6.27					
3/31/2015	510	26000	110000	130	200	4900	32	1600	5900	820 J	460	100 U	0.593	214	11	102	6.03					
10/14/2015	84	1400	52000	100	160	2800	13	790	4500	1800	660	5 U	0.116 J	105			9.04					
5/18/2016	21	83	26000 D	82	150	2200	4.2 J	350	1100 D	3500	360	20 U	0.400 U	42.8	165	98.5	7.24					
9/30/2016	1700 U	700 J	36000	1700 U	1700 U	4000	5.5 J	290 J	600 J	7900	800 J	1700 U	0.078 J	51			7.11					

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cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: PMW-17D

Date	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-Trichloroethane	1,1-Dichloroethane	Chloroethane	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCEr	VCR
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
6/30/2011	330	18000	15000	100 U	80 J	210	1.6 J	11	50	1600	100	100 U	0.445	3.7 J	775 J	1.3	6.25	1.6E+03	5.7E+01	4.9E+02	3.9E+00	1.5E+01
8/25/2011	40 J	780	18000	34 J	110	100	3.4 J	2.2 J	27	7300	130	50 U	0.657	193	551 J	96.9	5.24	1.7E+02	6.9E+03	3.4E+02	1.0E+02	2.3E+02
11/1/2011	42 J	890	16000	39 J	66 J	130	19	6	53	6900	240	100 U	9.03	501	193	96.9	6.21	2.7E+02	1.9E+03	6.4E+02	3.4E+02	1.8E+02
3/27/2012	11 J	720	13000	37 J	26 J	120	28	7.5	75	450	330	50 U	22.9	335	62.7	35.4		7.6E+00	2.5E+02	2.8E+01	7.4E+01	2.9E+00
6/20/2012	190	11000	13000	26	63	140	11	4.7 J	79	3900 J	610	25 U	0.216	94.5	201	157	6.55	7.8E+02	1.6E+03	2.6E+03	2.6E+02	1.6E+03
9/20/2012	200	6400	6700	17	65	190	9.8	7.6	380	3000	420	5 U	0.0686 J	43.8	210	137	6.89	6.5E+02	2.8E+02	5.3E+03	2.5E+02	2.8E+03
12/4/2012	97 J	5100	23000	23 J	54 J	280	5.6	6	120	1300	520	100 U	0.178 J	547	21.2	235	6.22	1.5E+01	3.8E+01	4.4E+02	2.7E+02	8.0E+00
4/9/2013	22 J	370	10000	16 J	93	360	9.1	10	6400	5600	860	50 U	2.43	230	21 J	47.3	6.35	3.4E+04	2.4E+03	1.3E+04	6.8E+04	2.8E+01
7/10/2013	65	1500	15000	30 J	380	790	12	140	1300	29000	2300	50 U	0.2 U	181	40.4	71	7.86	4.9E+04	4.9E+02	9.3E+04	1.8E+05	2.3E+03
10/15/2013	5.1	30	100	5.6	6	510	23	40	3900	470	160	5 U	0.0954 J	57.5	3.5 J	212	7.46	2.5E+04	1.7E+03	5.3E+04	8.8E+04	7.7E+02
12/5/2013	78	1100	10000	26 J	180	370	12	35	600	15000	1500	50 U	0.4 U	103	49.1	200	6.86	4.5E+04	7.4E+02	8.1E+04	4.4E+04	1.4E+03
4/8/2014	35	890	9200	15 J	150	700	28	38	840	5700	1200	20 U	0.21 J	124	4.9 J	66.3	6.99	2.4E+04	1.9E+03	3.0E+04	2.0E+03	4.5E+03
8/12/2014	2.5	92	310	0.64 J	3.3	75	17	15	740	29	72	1	0.0558 J	67.5	8.8	105	8.05	4.6E+05	5.5E+03	3.0E+06	2.8E+04	3.2E+04
12/4/2014	35 J	4700	12000 J	17 J	41 J	530 J	9.3 J	51 J	2900	380 J	370 J	10 U	0.0489 J	108	5.8	76.3	9.86	1.1E+05	4.3E+03	5.2E+05	6.6E+03	2.0E+03
3/24/2015	26	400	6200	13	70	860	27	92	2200 J	2700	700	2 U	0.233 J	97.9	56.2	50	6.7	5.5E+04	2.4E+03	8.7E+04	3.3E+03	1.9E+03
10/14/2015	1 U	5	30	1 U	1 U	9.5	2.8 J	3.9 J	890	6.8	3.9	1 U	0.509	13			8.68					
5/9/2016	19	1700	8500	25	68	1200	7.6	97	930 D	1400	350	2.0 U	0.0478 J	56.6	16.3	52.4	9.16	1.4E+05	1.1E+05	4.5E+05	1.3E+04	3.7E+04
9/28/2016	1000 U	590 J	9300	1000 U	1000 U	2100	7.1	75	1200	13000	1700	1000 U	0.100 U	66			6.96					

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: RMW- 1D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2-DCE (µg/L)	Trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethane (µg/L)	Chloroethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
10/29/2003		3.8 J				5.0 U				2.6 J	5.0 U											
5/17/2004		5 U				5 U				5 U	5 U											
6/21/2004		5.0 U				5.0 U				5.0 U	5.0 U											
8/29/2005		1.3	234	1.4	1.1	5	11.2	0.10 U	52.2	0.38 J	1.0 U	1.0 U		2	1030							
9/18/2006	1 U	1 U	6	1 U	1 U	1 U	69.9	17 U	204	1 U	1 U	2 U		1.3	1570							
5/27/2008	5 U	5 U	1 J	5 U	5 U	5 U	28	5 U	110	5 U	5 U			2.3	768 J							
6/2/2009	5.0 U	3.2 J	7.4	5.0 U	5.0 U	0.86 J	8.1	0.014	40	5.0 U	5.0 U	5.0 U	0.66	3.3	758	1.69						
7/16/2010	5 U	5 U	0.96 J	5 U	5 U	5 U	49	5 U	160	5 U	5 U	5 U	0.332	2.6	1070	13.3						
9/1/2011	3.8 J	100	290	1.3 J	5.2	8.8	15	5 U	65	270	6.4	5 U	0.316	3.2	1070 J	8.2						
3/27/2012	3.2 J	66	380	1.3 J	7.1	2.8 J	12	5 U	53	390	7.5	5 U	0.227	2	904	4.5						
6/19/2012	2.2 J	24	380	1.4 J	6.1	5.8	12	5 U	54	500 J	9.4	5 U	0.273	1.9	934	5.2						
9/26/2012	5 U	4.9 J	300	1 J	4.8 J	2.9 J	16	5 U	61	290	6.2	5 U	0.27	1.4	867	6.3						
12/12/2012	5.6	61	370	1.3 J	8.1	4 J	3.2 J	5 U	26	850	11	5 UJ	0.264	2.4	601	0.44						
4/2/2013	1.3 J	10	330	1 J	6.5	5.5	14	5 U	58	440	8.3	5 U	0.21	1.7	759	4.4						
7/16/2013	5 U	6.5	290	0.95 J	3.4 J	7	14	5 U	63	280 J	7	5 U	0.246	1.9	844	6.4						
10/16/2013	5 U	12	280	0.98 J	4.3 J	7.6	17	5 U	76	270	6.4	5 U	0.26 J	1.6	780	7.6						
12/3/2013	5 U	11	270	1 J	3.4 J	5.7	12	5 U	64	230	6.8	5 U	0.299 J	2.6 J	716	4.7						
4/15/2014	5.1	57	420	1.5	21	14	6.7	5 U	39	460	13	1 U	0.303 J	3.1	720	1.7	7.17					
8/15/2014	2.2	15	450	1.6	6.9	14	15	5 U	72	210	9.7	1 U	0.403	4	819	5.2	7.63					
12/12/2014	1 U	3.3	280	0.71 J	2.9	6.5	36	5 U	160	110	6.2	1 U	0.23 J	1 U	864	11.8	6.87					
3/26/2015	1 U	11	390	1.2	3.9	19	4.4 J	1 J	24 J	60	7.2	1 U	0.297 J	2	679	0.94	7.22					
10/13/2015	1 U	2.3	290	0.92 J	2.4	8.6	27	5 U	120	27	4.1	1 U	0.265 J	1.5								
5/12/2016	1.0 U	0.83 J	160	1.0 U	1.2	7.5	31	5.0 U	130	11	2.6	1.0 U	0.272 J	1.7	934	7.8	7.4					

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R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: RMW- 2D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
5/19/2004		100000				5000 U				5400	5000 U											
9/1/2005		23900	2890	50 U	24.8 J	51.3	0.46	0.87	8.85	1830	25.4 J	50 U		2.4	854							
9/18/2006	159	10900	8660	50 U	65	688	20.5	38.4	111	355	112	100 U		2.6	1500							
5/30/2008	1100	140000	21000	500 U	110 J	1500	22	86	160	300 J	100 J			6	1120							
6/1/2009	1600 J	180000	49000	5000 U	5000 U	2000 U	83	12	390	5000 U	5000 U	5000 U	0.0416 J	29.7	1190	53.8						
7/13/2010	780	99000	52000	500 U	110 J	200 J	89	5.1	340	500 U	500 U	500 U	0.2 U	15.1	1480 J	51.7						
6/29/2011	920 J	210000	36000	1000 U	160 J	310 J	11	8.2	63	1200	1000 U	1000 U	0.269	12.1	969 J	4.8	6.26	4.4E+02	3.7E+01	1.8E+02	8.0E+01	9.5E+01
8/23/2011	680 J	56000	110000	1000 U	430 J	1000 U	28	5.3	89	1100	1000 U	1000 U	0.162 J	377	759 J	58.4		6.6E+01	4.8E+02	5.3E+01	7.1E+01	2.5E+01
11/2/2011	1100	110000	110000	85 J	390 J	110 J	32 J	3.3 J	120 J	600	500 U	500 U	0.0368 J	267	466	125	6.78	2.0E+02	3.1E+04	1.1E+03	1.1E+03	1.5E+03
3/21/2012	1300	140000	78000	500 U	230 J	500 U	60	5.1	210	320 J	100 J	500 U	0.0518 J	129	813 J	138	6.78	1.1E+03	4.9E+03	2.1E+03	2.5E+02	1.9E+02
6/20/2012	800	69000	16000	24 J	68 J	52 J	18	1.2 J	80	860 J	66 J	100 U	0.2 U	43.2	485	94.9	6.82	6.1E+02	3.4E+03	1.6E+03	1.9E+01	9.8E+01
9/19/2012	1100	130000	39000	500 U	130 J	200 J	23	4.3 J	250	480 J	110 J	500 U	0.2 U	128	264 J	141	6.7	3.5E+03	1.4E+03	3.2E+03	6.3E+01	1.7E+03
12/4/2012	3200	410000	62000	250 U	99 J	240 J	28	12	160	160 J	84 J	250 U	39.5	1620	395	27.2	6.25	6.8E+02	9.5E+02	7.2E+05	9.2E+05	5.4E+04
4/4/2013	1500	300000	150000	500 U	210 J	450 J	35	54	250	210 J	160 J	500 U	58.2	1170	266	6.8	6.46	1.1E+04	2.7E+03	8.6E+04	7.6E+04	4.6E+02
7/15/2013	1200 J	240000	170000	5000 U	5000 U	5000 U	23	240	290	5000 U	5000 U	5000 U	46	758	217	6.2	6.4	2.4E+03	5.9E+02	4.5E+03	2.3E+03	1.8E+01
10/15/2013	1200 J	290000	250000	2500 U	500 J	860 J	31	230	330	2500 U	2500 U	2500 U	26.8	578	317	14.2	5.96	1.6E+04	8.3E+03	4.2E+04	3.5E+04	2.2E+03
12/3/2013	1500 J	320000	260000	2500 U	610 J	1200 J	34	200	470	2500 U	2500 U	2500 U	16.3	508 J	177	25.9	6.32	2.4E+04	5.3E+03	3.5E+05	9.8E+04	1.5E+04
4/15/2014	1200	200000	260000	500 U	510	520	44	130	320	500 U	500 U	500 U	8.16	464	249	40.2	6.38	2.3E+04	4.2E+02	3.3E+04	6.0E+02	6.1E+03
8/14/2014	1500	310000	310000	500 U	610	1600	36	440	860	500 U	500 U	500 U	5.86	410	221	35.7	5.95	3.8E+05	4.5E+03	2.0E+06	1.0E+04	7.2E+04
12/4/2014	1800	230000	190000	140	320	990	42	420	1500	100 U	160	100 U	4.26	313	295	42	6.07	4.0E+05	6.7E+03	1.2E+06	4.7E+03	5.8E+03
3/25/2015	1500	210000	190000	160	370	1100	35	420	2000	100 U	150	100 U	3.92	328	269	40.4	7.11	1.1E+05	1.7E+03	7.4E+05	4.3E+03	3.7E+04
10/16/2015	1300	130000	250000	500 U	350 J	1000	64	380	930	500 U	500 U	500 U	2.2	374			7.17					
5/10/2016	1100	140000 D	160000 D	100	240	630	68	380	510 D	17 J	120	20 U	0.0719 J	259	400	172	7.32	1.1E+04	1.4E+05	1.2E+05	2.6E+03	1.3E+04
9/30/2016	1000 J	130000 J	110000 J	1300 UJ	1300 UJ	690 J	37 J	85 J	2900 J	1300 UJ	1300 UJ	1300 UJ	0.100 U	270			6.62					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: RMW- 3D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
10/29/2003		810				250 U				6200	72 J											
5/19/2004		170				100 U				3900	40 J											
6/22/2004		1200				250 U				9900	130 J											
8/30/2005		381	571	22.8	25.1	5.0 U	1.6	0.10 U	10.6	4080	77.2	5.0 U		2	767							
9/19/2006	28	117	281	10 U	22	10 U	12 U	17 U	31.3	2500	34	20 U		2.8	1220							
6/1/2009	13 U	3.2 J	300	13 U	3.2 J	21	1.0 U	1.1	12	110	8 J	13 U	0.485	3.3	802	1.0 U						
7/12/2010	5 U	3.9 J	760	2.2 J	11	70 J	5 U	3 J	27	280	15	5 U	0.474	3	882	0.46						
6/23/2011	770 J	14000	1900	1000 U	1200	1000 U	2.7 J	1.1 J	19	96000	700 J	1000 U	0.414	3.1	781	0.49	7.37					
8/24/2011	1400	14000	14000	73 J	1100	250 U	9.2	1.7 J	33	64000	620	250 U	0.866	10500	529	21.4	6.1					
11/9/2011	130 J	1500	9300	500 U	570	500 U	4 J	5 U	25	53000	340 J	500 U	0.0541 J	7.4	614		6.97					
3/28/2012	90 J	620	5900	250 U	260	250 U	4.7 J	5 U	26	33000	190 J	250 U	0.0326 J	8.6	710	36.4	6.88					
6/26/2012	100	460	3800	100 U	210	100 U	5.7	5 U	27	25000	130	100 U	0.0697 J	9	978	15.2	6.96					
9/25/2012	45 J	170	3100	100 U	160	27 J	3.6 J	5 UJ	22 J	18000	130	100 U	0.0954 J	8.2	552 J	19.4	7.09					
12/6/2012	39 J	200	4100	12 J	790	14 J	3.5 J	5 U	21	19000	150	50 U	0.063 J	23.6	435	48.6	6.91					
4/8/2013	19	99	3500	20	810	51	2.6 J	3.4 J	41	17000	210	10 U	0.2 U	21.2	471	63	7.46					
7/19/2013	9.7 J	42 J	2800	12 J	750	61	2.4 J	2.8 J	38	17000	160	50 U	0.2 U	3.8	574	30	6.99					
10/11/2013	11 J	32 J	2600	8.1 J	140	59	1 J	3.9 J	36	10000	150	50 U	0.0701 J	21.1	462	22.7	6.97					
12/4/2013	100 U	45 J	1600	100 U	71 J	33 J	14	1.5 J	70	7000	96 J	100 U	0.0701 J	5.8	590 J	22.3	7.1					
4/14/2014	8.7	49	1800	5.3	190	45	5 U	2.9 J	43	8000	120	5 U	0.0485 J	8.6	461	11.8	7.21					
8/21/2014	6.3 J	39	2100	6.8 J	86	71	3.3 J	3.8 J	60	9100	180	10 U	0.0382 J	3.9	637	21.5	7.34					
12/9/2014	5.7	17	1700	5.7	130	82	4.5 J	5.9	66	7400	160	5 U	0.0466 J	1.5	554	22.2	7.67					
3/31/2015	10 U	25	1900	5.2 J	110	120	1.7 J	7.9	200	7100 J	180	10 U	0.4 U	4.5	358	27.7	7.24					
10/15/2015	10 U	16	2400	9.3 J	210	96	2.5 J	4.6 J	150	8700	170	10 U	0.0712 J	5.3			6.52					
5/12/2016	10 U	32	2700	10	310	180	8.1	7.3	260	12000 D	230	10 U	0.400 U	2.4	630	27.9	7.19					
9/28/2016	1300 U	1300 U	2300	1300 U	1300 U	1300 U	1.4	1	28	15000	1300 U	1300 U	0.072 J	2.4			7.1					

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µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: RMW- 3S

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE		Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1-	1,1-	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCer (cells/ml)	VCR (cells/ml)
		TCE (µg/L)	DCE (µg/L)	DCE (µg/L)							Trichloro ethane (µg/L)	Dichloro ethane (µg/L)											
9/19/2006	1 U	1 U	9	1 U	1 U	1 U	12 U	17 U	10 U	1 U	1 U	2 U			3.5	2590							

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: RMW- 4D

Date	PCE (µg/L)	TCE (µg/L)	Cis-1,2- DCE (µg/L)	Trans-1,2- DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	1,1,1- Trichloro ethane (µg/L)	1,1- Dichloro ethane (µg/L)	Chloro ethane (µg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	pH (s.u.)	BVC (cells/ml)	DHBt (cells/ml)	DHC (cells/ml)	TCEr (cells/ml)	VCR (cells/ml)
10/29/2003		72000 D				1000 U				2800	1000 U											
5/19/2004		29000				360 J				4500	1000 U											
8/31/2005		19200	11300	14.8 J	43	475	2.5	2.7	32.7	701	38.1	25 U		2.8	1140							
9/19/2006	514	20800	17400	68 J	88	526	12 U	25.3	65.9	308	105	100 U		3.2	1210							
1/15/2008	570 J	130000	18000	5.0 U	5.0 U	430 J	19	14	110	5.0 U	5.0 U	5.0 U		7.67	1340							
5/29/2008	600	67000	21000	500 U	500 U	610	16	12	95	500 U	500 U			4.9	1370 J							
7/24/2008	5000 UJ	450 J	100000 J	5000 UJ	5000 UJ	1100 J	15 J	46 J	110 J	5000 UJ	5000 UJ	5000 UJ		387 J	1060 J							
9/30/2008	1300 UJ	3700 J	38000 J	370 J	75 J	680 J	23	7.1	130	1300 UJ	1300 UJ	1300 UJ		294	810							
12/11/2008	5.0 U	660	5400	28 J	5.0 U	79 J	28	2.1	130	5.0 U	5.0 U	5.0 U		168	130							
6/3/2009	9.4 J	620	2800	12 J	100 U	95	21	7.4	330	12 J	100 U	100 U	0.0723 J	160	572	247						
6/4/2009	250 U	1300	4900	16 J	250 U	110	27	19 J	270	250 U	250 U	250 U										
6/5/2009	250 U	1200	5200	16 J	250 U	82 J	31 J	9.7 J	240 J	250 U	250 U	250 U										
10/12/2009	11 J	1100	3800	10 J	8.4 J	74	35	7.6	210	8.4 J	8 J	100 U	0.0317 U	149	569							
7/16/2010	6.1	380	900	6.9	2.8 J	73	36	160	3800	5.5	5.1	5 U	0.2 U	140	803	189						
6/24/2011	130 J	54000	32000	81 J	89 J	880	19	52	1900	250 U	250 U	250 U	0.2 U	133	843	173	7.41					
8/23/2011	50 J	26000	19000	42 J	42 J	470	39	97	4800	100 U	25 J	100 U	0.0153 J	124	395 J	172	7.11					
11/8/2011	68 J	20000	17000	36 J	38 J	510	39 J	230 J	3900	100 U	23 J	100 U	0.0208 J	109	342 J	157	7.29					
3/20/2012	50 U	800	1700	50 U	50 U	300	12	210	8800	50 U	50 U	50 U	0.0271 J	80.1	94.9 J	176	7.12					
6/27/2012	87 J	18000	24000	40 J	59 J	830	19	400	5600	180	49 J	130 U	0.2 U	55.9	241 J	192	6.96					
9/25/2012	82	11000	18000	33 J	51	1000	21	350	6000	96	45 J	50 U	0.2 U	82.8	111 J	209	6.7					
12/10/2012	50 J	4300	48000	55 J	32 J	950	22	360	5500	72 J	94 J	100 UJ	0.0681 J	754	496	247	5.85					
4/10/2013	19 J	2100	31000	57 J	38 J	1300	24	420	6500	22 J	66 J	100 U	0.2 U	197	1090	209	6.62					
7/12/2013	250 U	3200	31000	62 J	250 U	1400	34	390	6500	250 U	71 J	250 U	0.2 U	368	51.7	241	6.85					
10/14/2013	500 U	8500	55000	97 J	500 U	1400	33	300	2800	500 U	500 U	500 U	0.4 U	390	189	276	6.46					
12/12/2013	20 J	2500	61000	87 J	75 J	1400	36	390	4100	21 J	120	100 U	0.4 U	208	313	250	6.73					
4/9/2014	50 U	2500	67000	100	91	1800	25	560	9600	50 U	88	50 U	0.283 J	294	17	198	6.51					
8/21/2014	100 U	1500	57000	93 J	80 J	3500	38	740	10000	100 U	70 J	100 U	0.0512 J	226	131	154	6.77					
12/8/2014	50 U	1400	61000	100	94	3500	32	700	9700	50 U	69	50 U	0.4 U	247	248	190	6.35					
3/31/2015	50 U	1400	44000	91	55	4500	50	830	10000	50 UJ	59	50 U	0.4 U	233	133	236	6.52					
5/17/2016	20 U	2100	17000 D	57	27	4900	23	2000 D	9800 D	20 U	32	20 U	0.400 U	117	547	60.2	6.74					
9/29/2016	500 UJ	1100	15000	500 U	500 U	5400	27 J	1600 J	5200 J	500 UJ	500 U	500 U	0.100 U	150			6.88					

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mg/L milligrams per liter
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s.u. standard units

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: TP- 1

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE	Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-	1,1-	Chloro	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		TCE	DCE	DCE							Trichloro	Dichloro											
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)	(cells/ml)
12/3/2001		6 U									6 U	6 U											
12/5/2014	1 U	1 U	1 U	1 U	1 U	1 U					1 U	1 U	1 U										

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: TP- 2

Date	PCE (µg/L)	TCE	Cis-1,2-	Trans-1,2-	1,1-DCE	Vinyl	Ethane	Ethene	Methane	1,1,1-	1,1-	Chloro	Dissolved	Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		(µg/L)	DCE (µg/L)	DCE (µg/L)	(µg/L)	Chloride (µg/L)				ethane (µg/L)	ethane (µg/L)												
12/4/2001		6 U								6 U	24												

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J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
EKONOL FACILITY
TOWN OF WHEATFIELD, NEW YORK

Well ID: TP- 3

Date	PCE (µg/L)	Cis-1,2-		Trans-1,2-		1,1-DCE		Vinyl Chloride	Ethane	Ethene	Methane	1,1,1-	1,1-	Chloro	Dissolved Iron	TOC	Sulfate	Sulfide	pH	BVC	DHBt	DHC	TCer	VCR
		TCE (µg/L)	DCE (µg/L)	DCE (µg/L)								ethane (µg/L)	ethane (µg/L)											
12/4/2001		7 U										7 U	7 U											

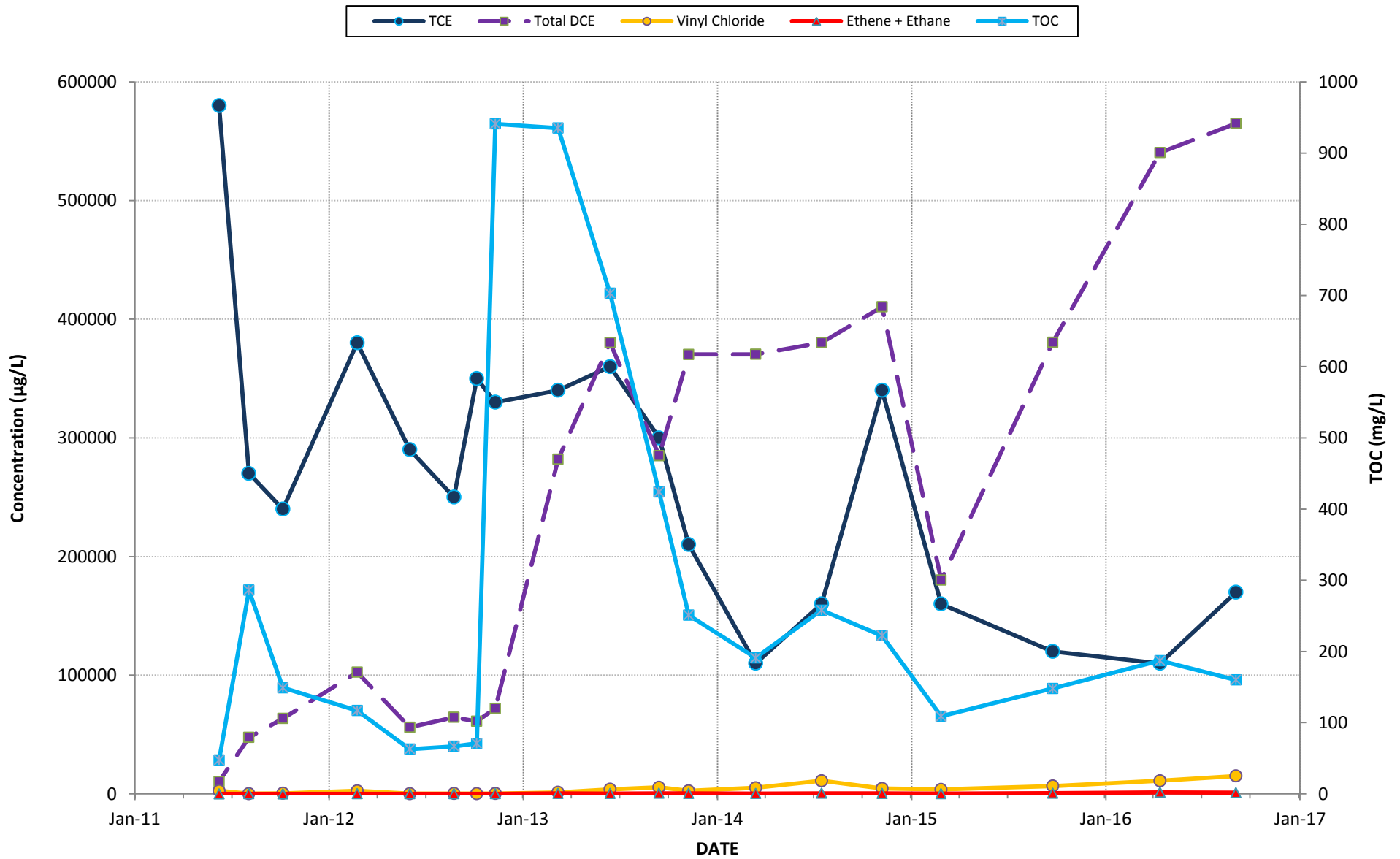
J Indicates an estimated value
U Analyte was not detected above the reporting limit
UJ The analyte was not detected. The reporting limit is an approximate value
J- Indicates estimated value, biased low
J+ Indicates estimated value, biased high
D Result reported from a secondary dilution analysis
R The sample results are rejected

µg/L micrograms per liter
mg/L milligrams per liter
cells/ml cells per milliliter
s.u. standard units

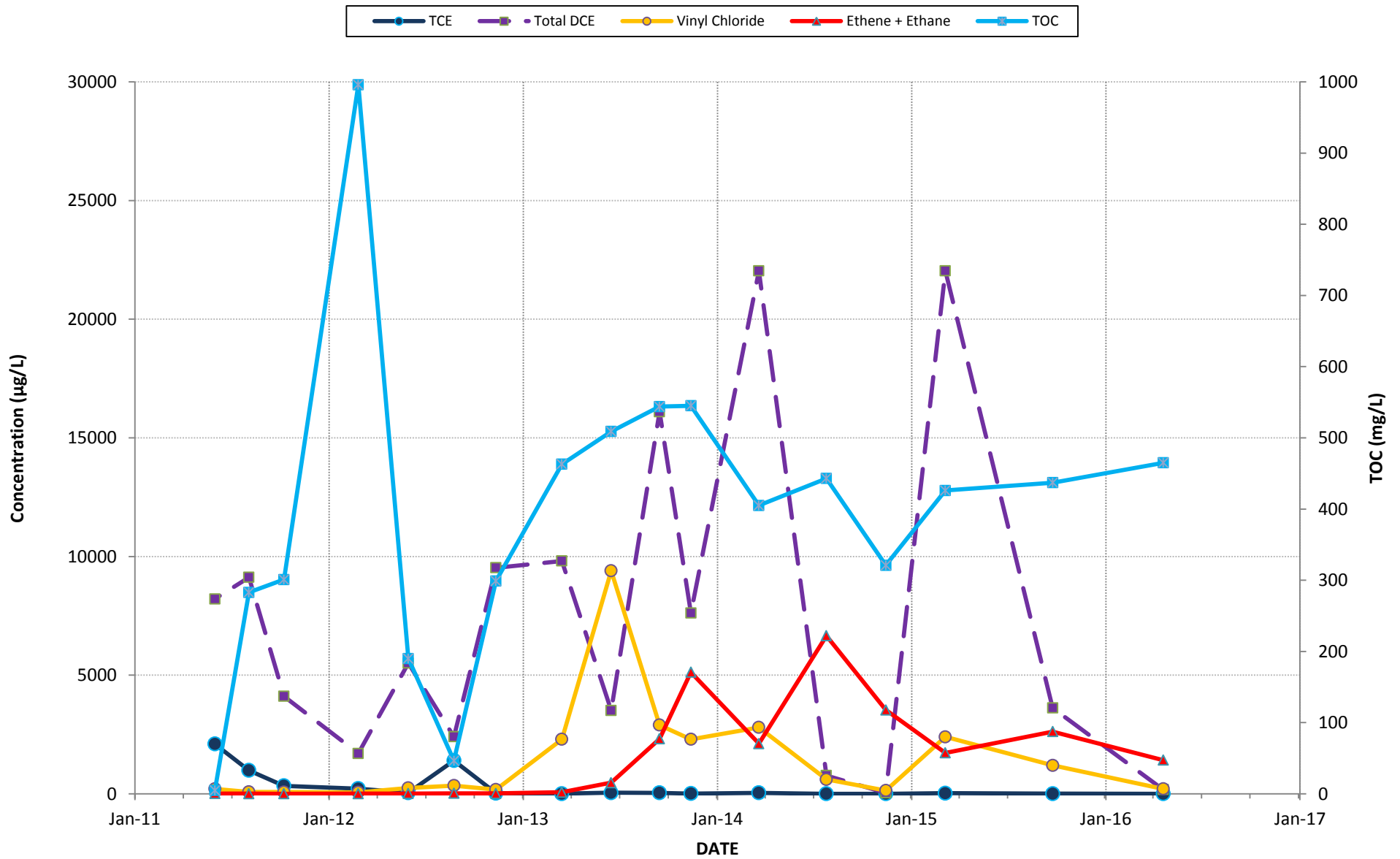
Appendix E

Concentrations of Chloroethenes

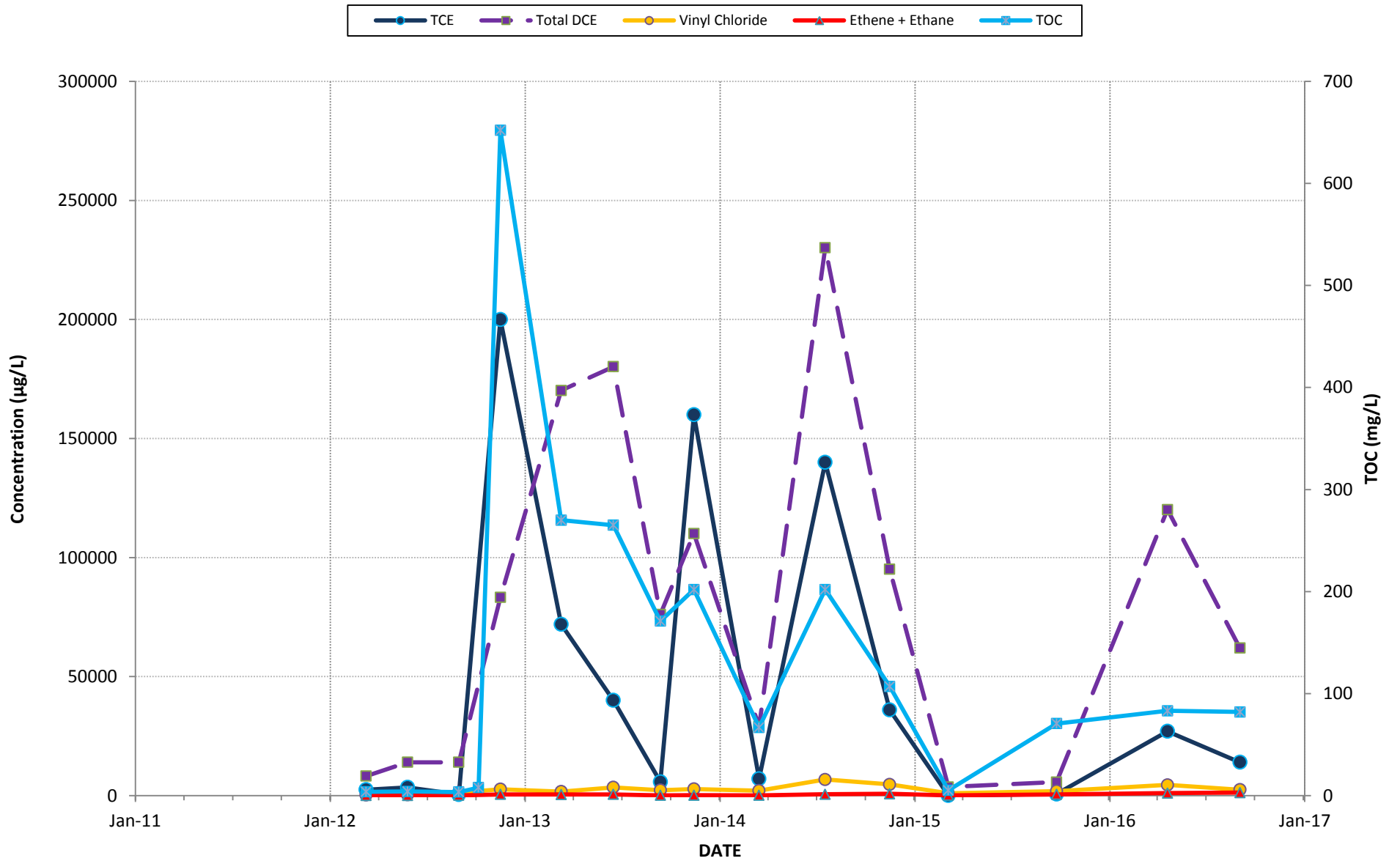
CONCENTRATIONS OF CHLOROETHENES INJ- 7D



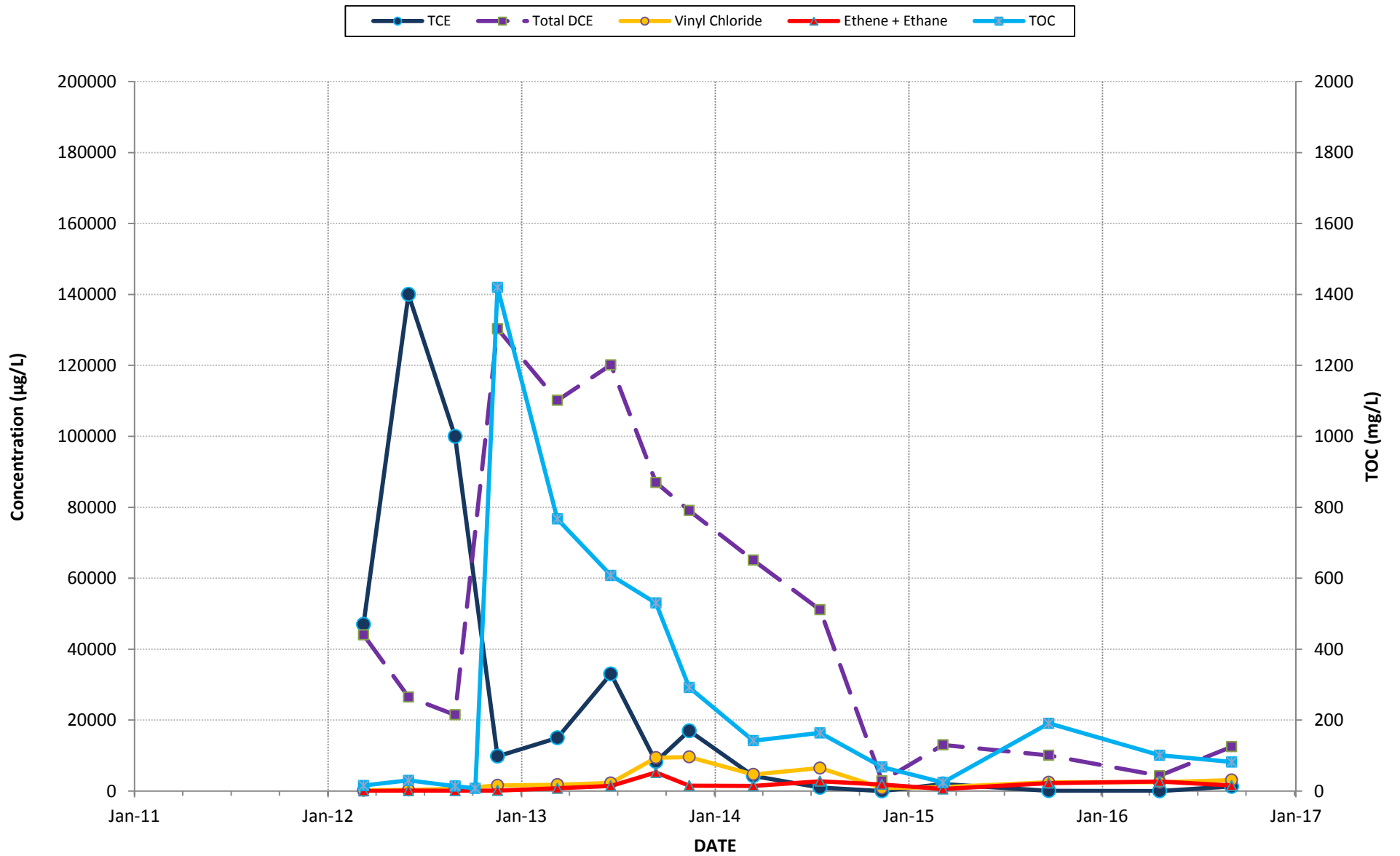
CONCENTRATIONS OF CHLOROETHENES INJ- 8D



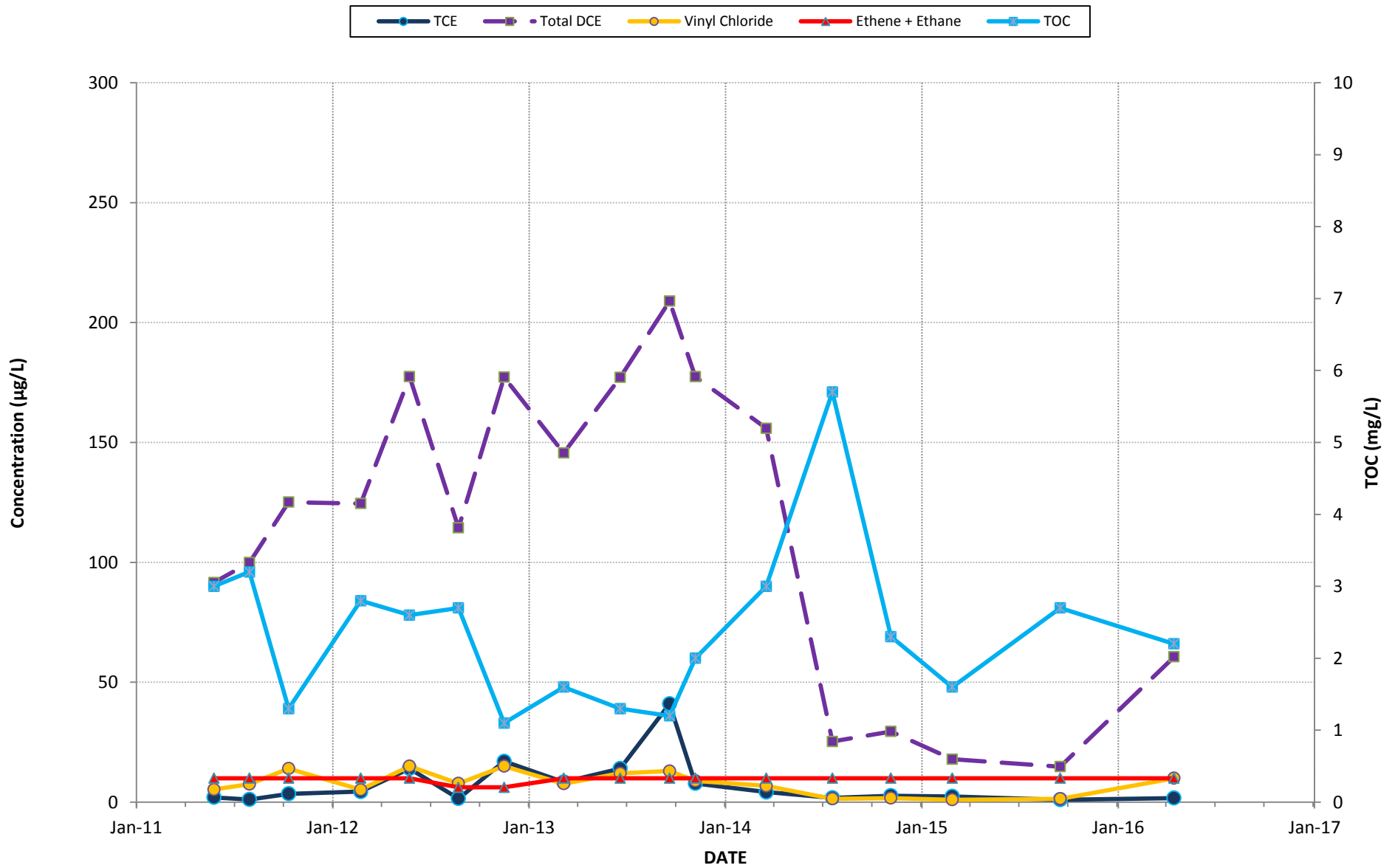
CONCENTRATIONS OF CHLOROETHENES INJ-11D



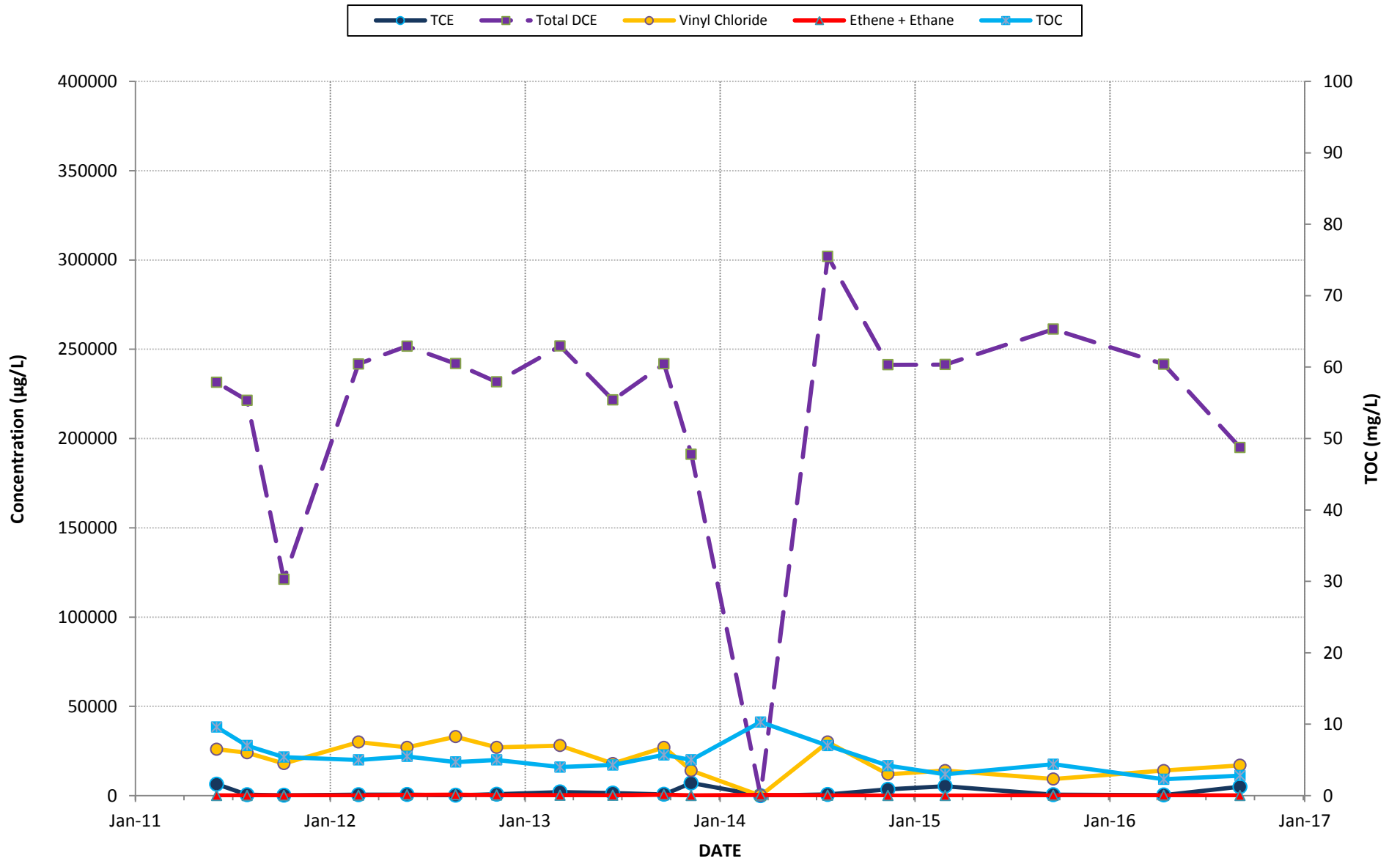
CONCENTRATIONS OF CHLOROETHENES INJ-13D



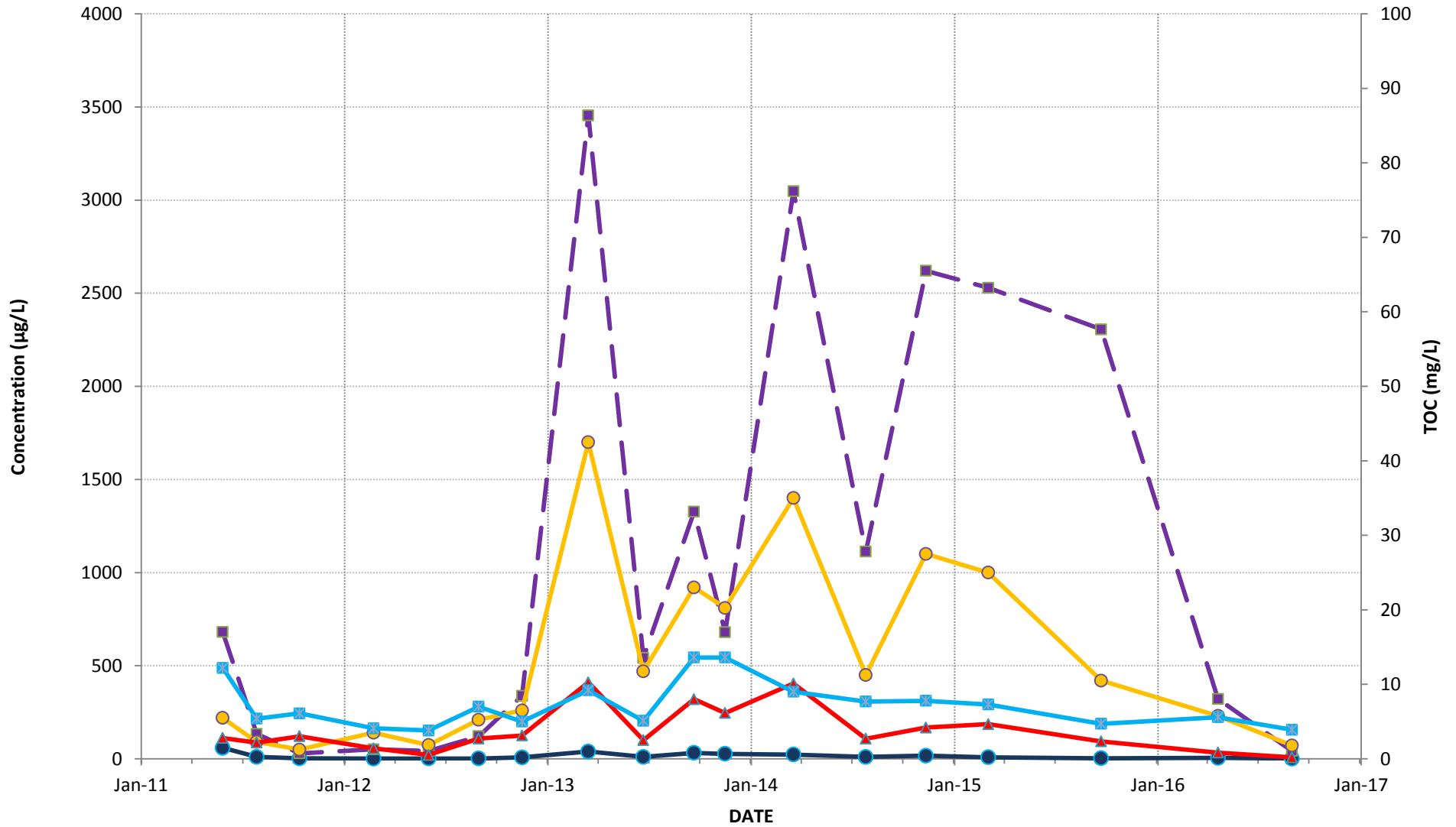
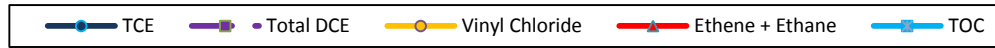
CONCENTRATIONS OF CHLOROETHENES MW- 1S



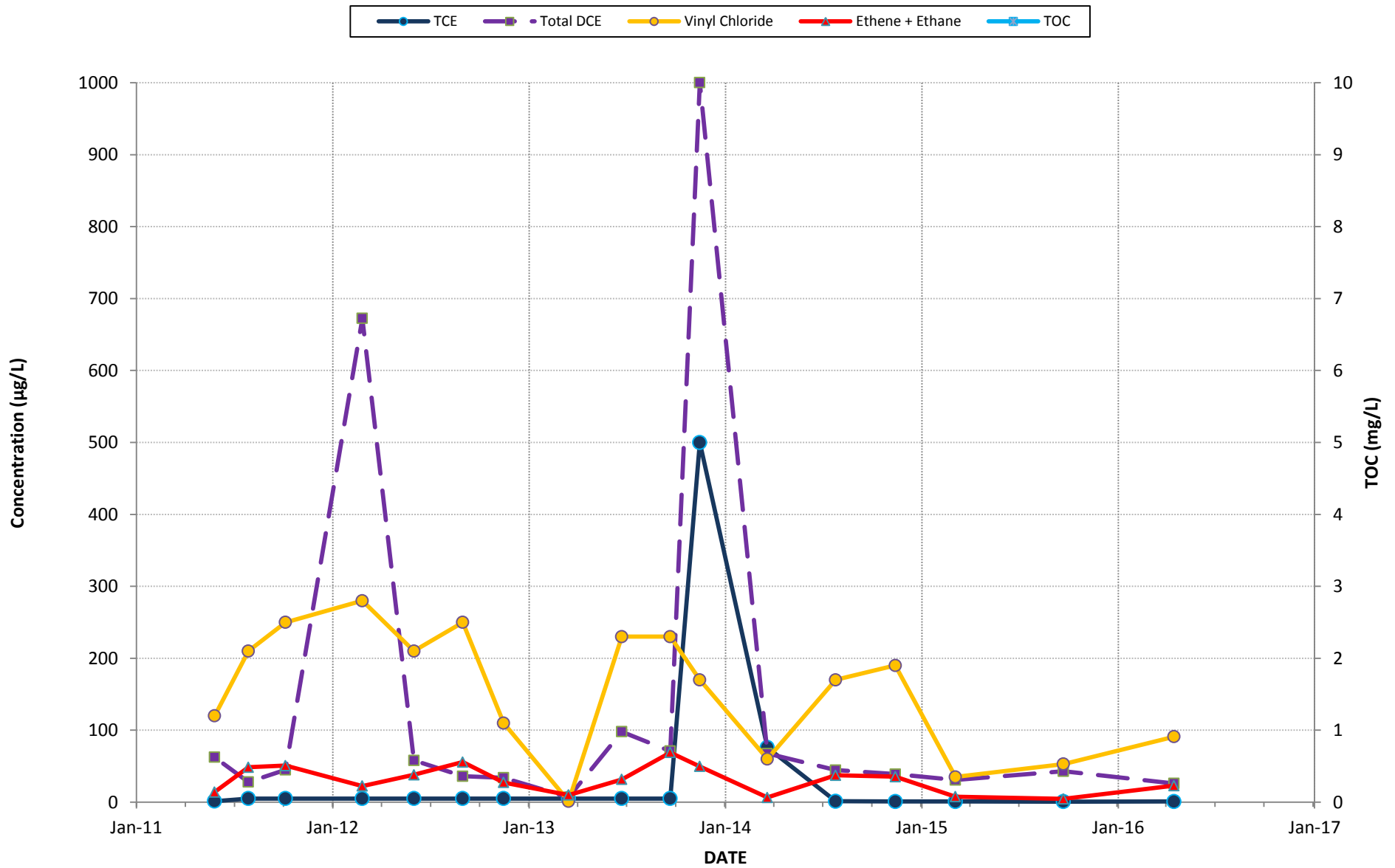
CONCENTRATIONS OF CHLOROETHENES MW- 2S



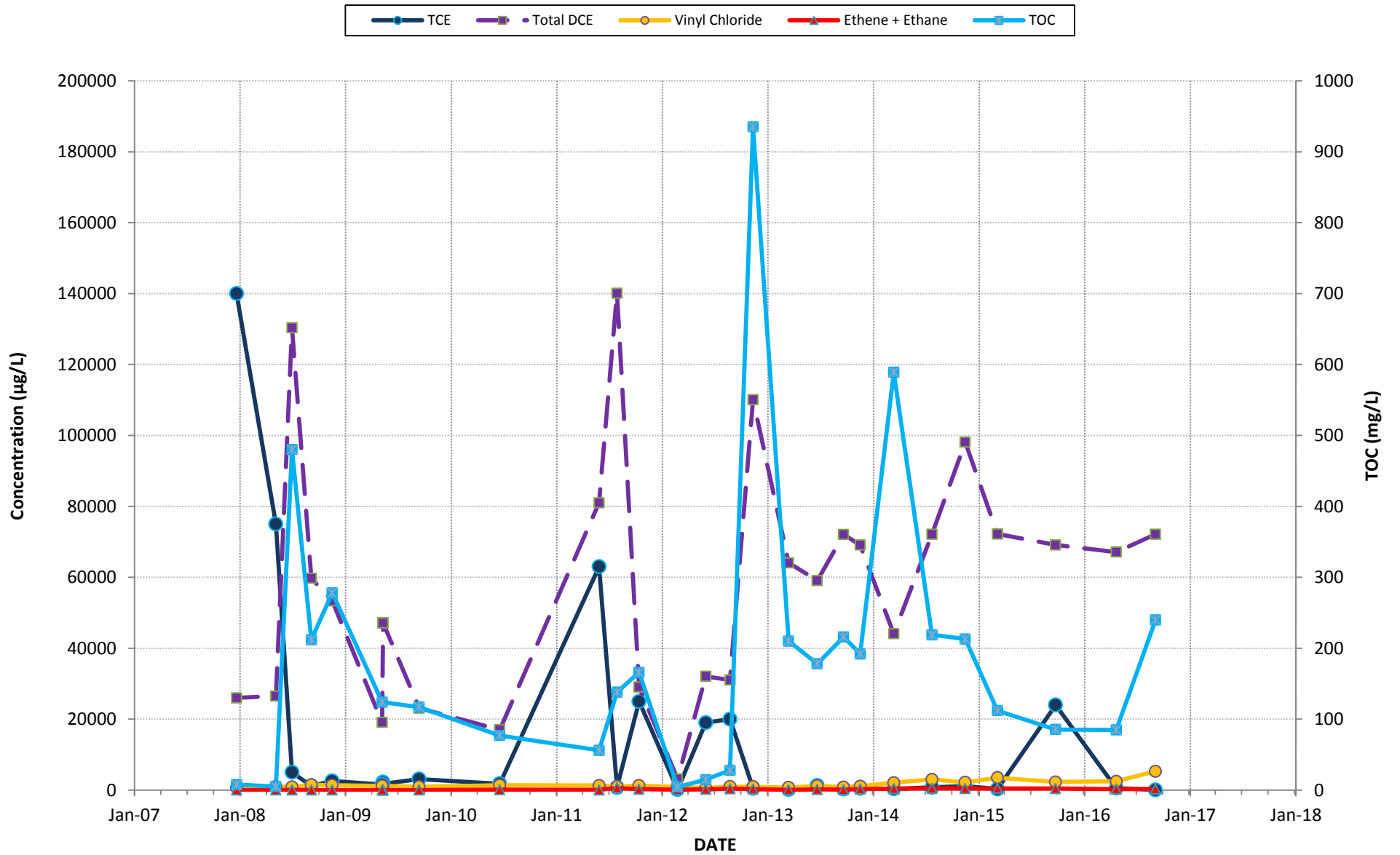
CONCENTRATIONS OF CHLOROETHENES MW- 4S



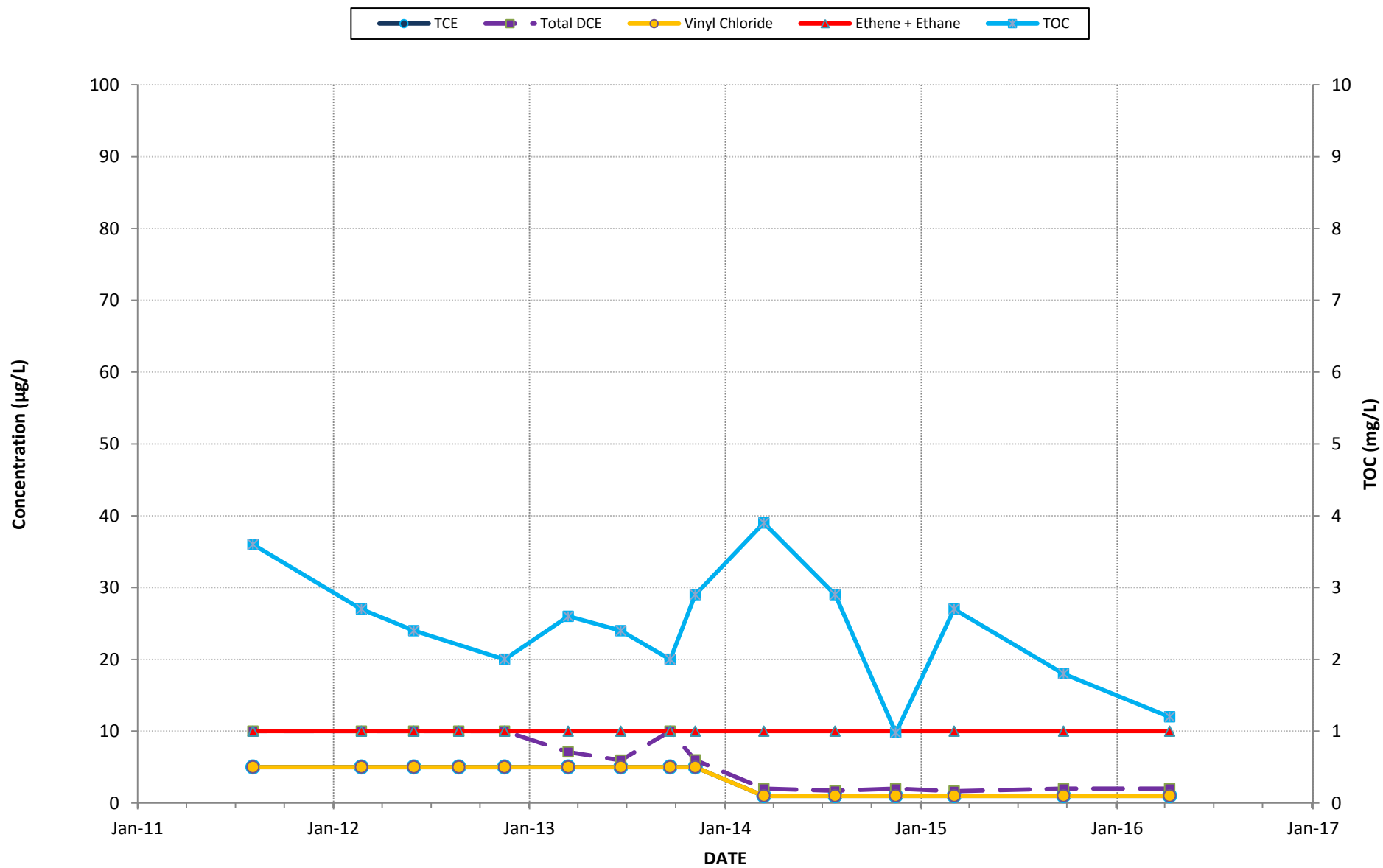
CONCENTRATIONS OF CHLOROETHENES MW- 6S



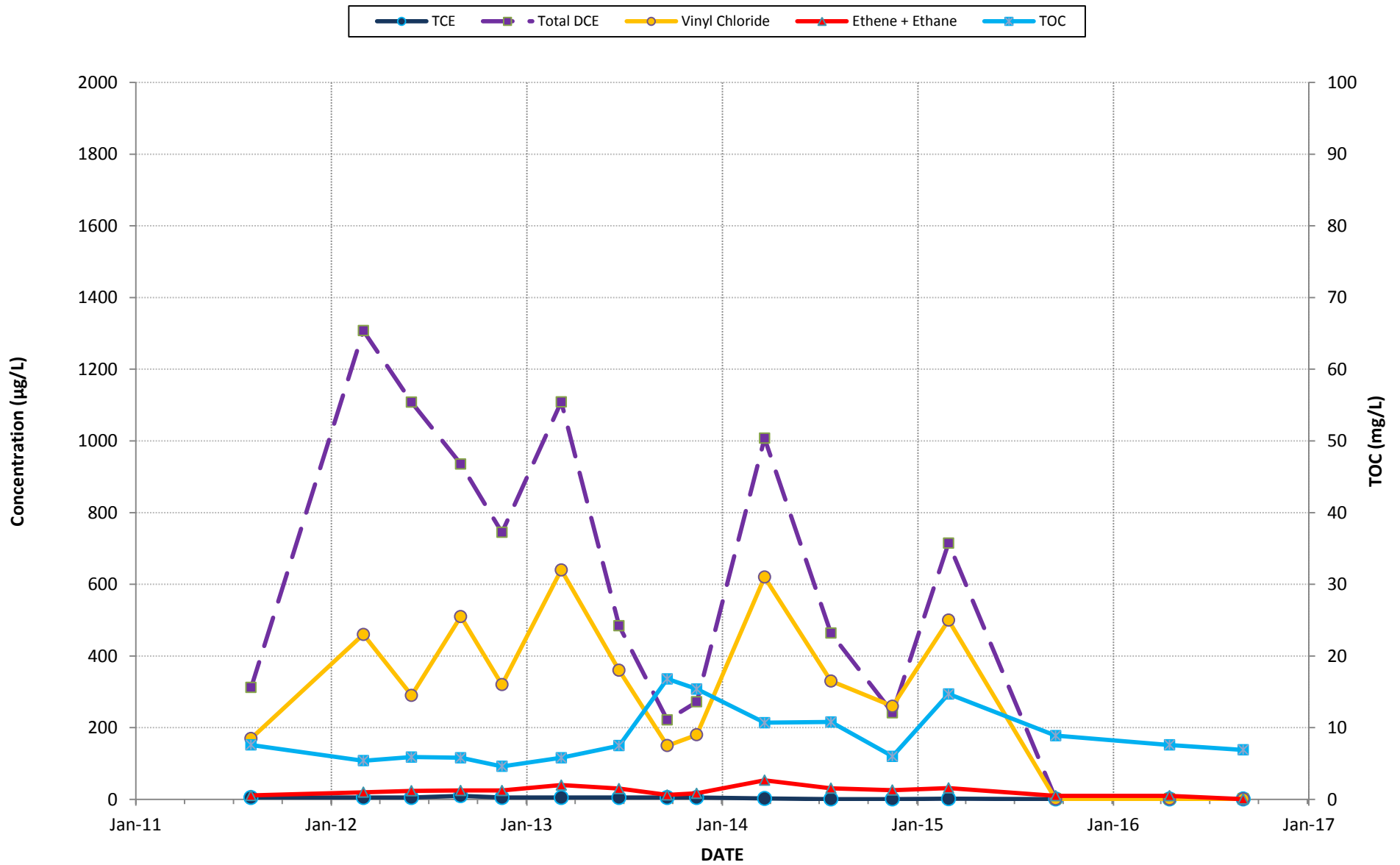
CONCENTRATIONS OF CHLOROETHENES MW- 7D



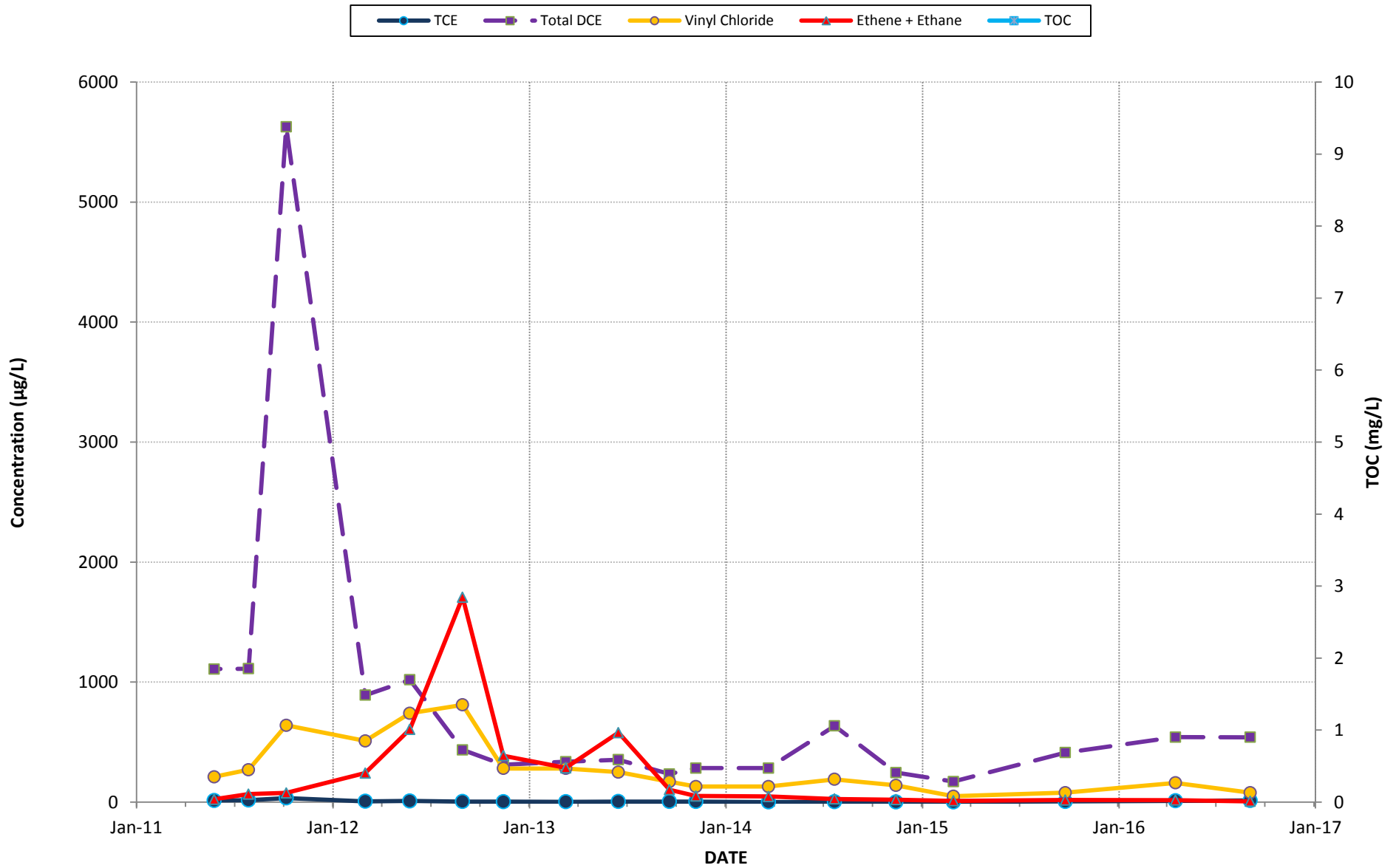
CONCENTRATIONS OF CHLOROETHENES MW- 7S



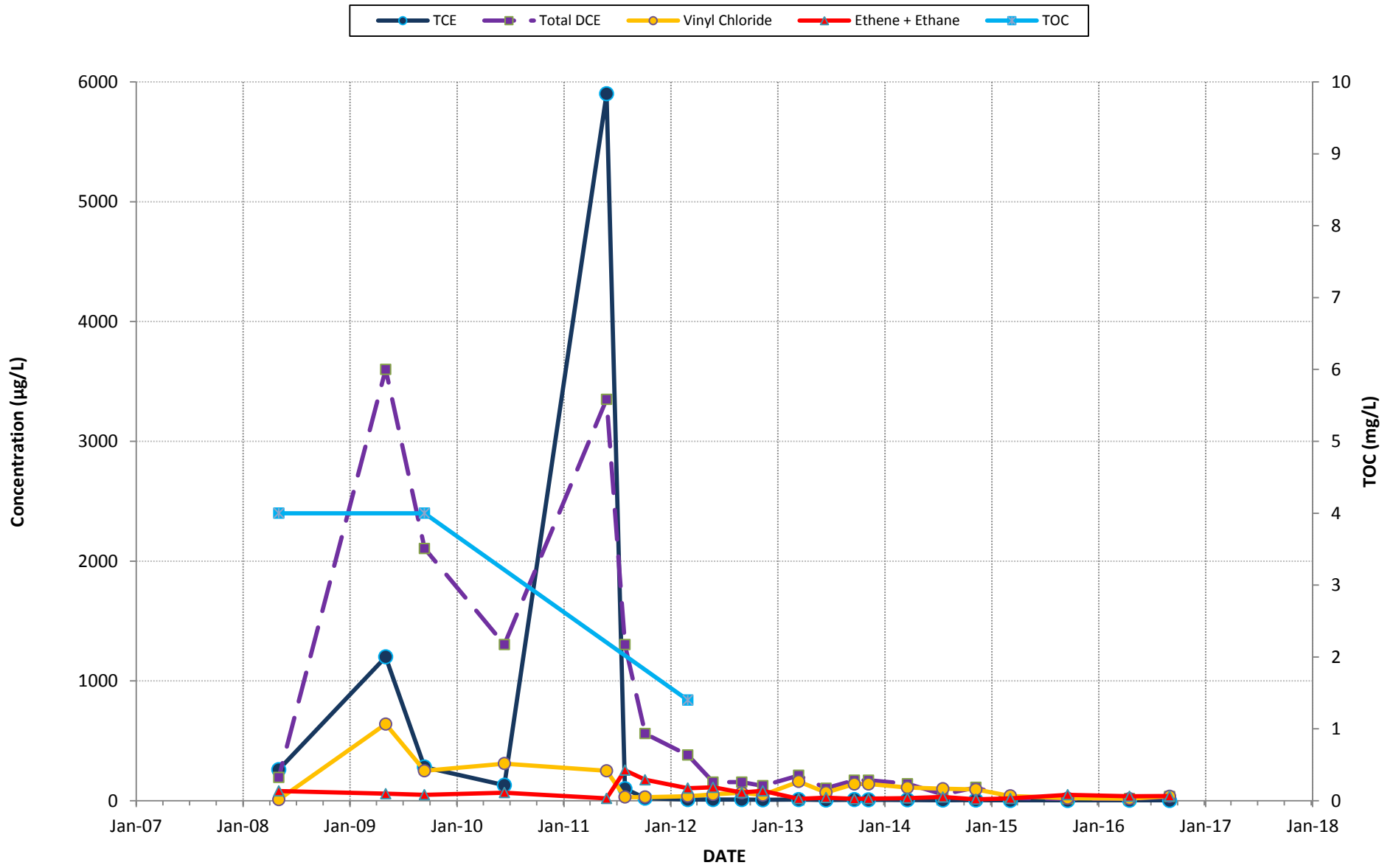
CONCENTRATIONS OF CHLOROETHENES MW- 9S



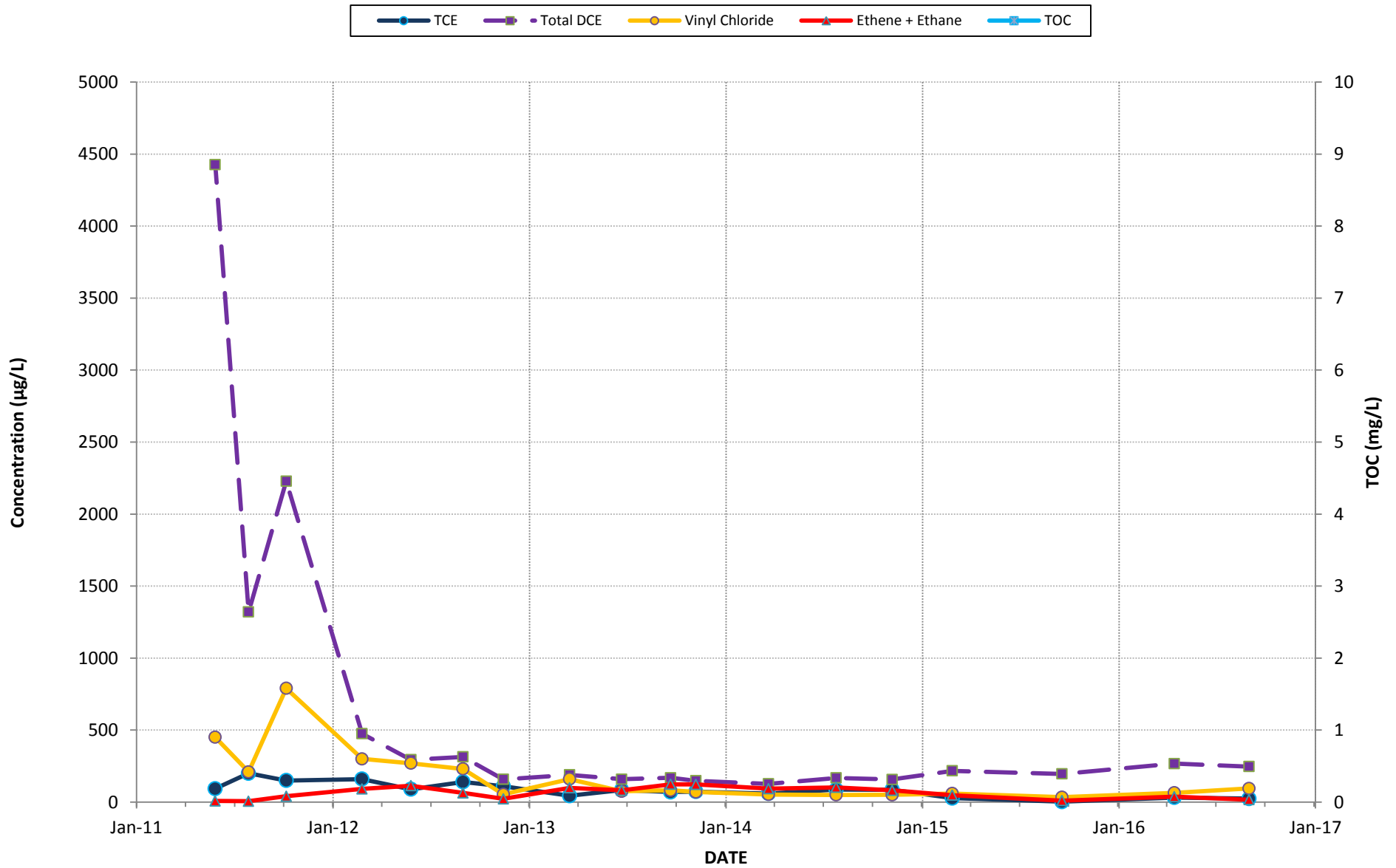
CONCENTRATIONS OF CHLOROETHENES MW-10S



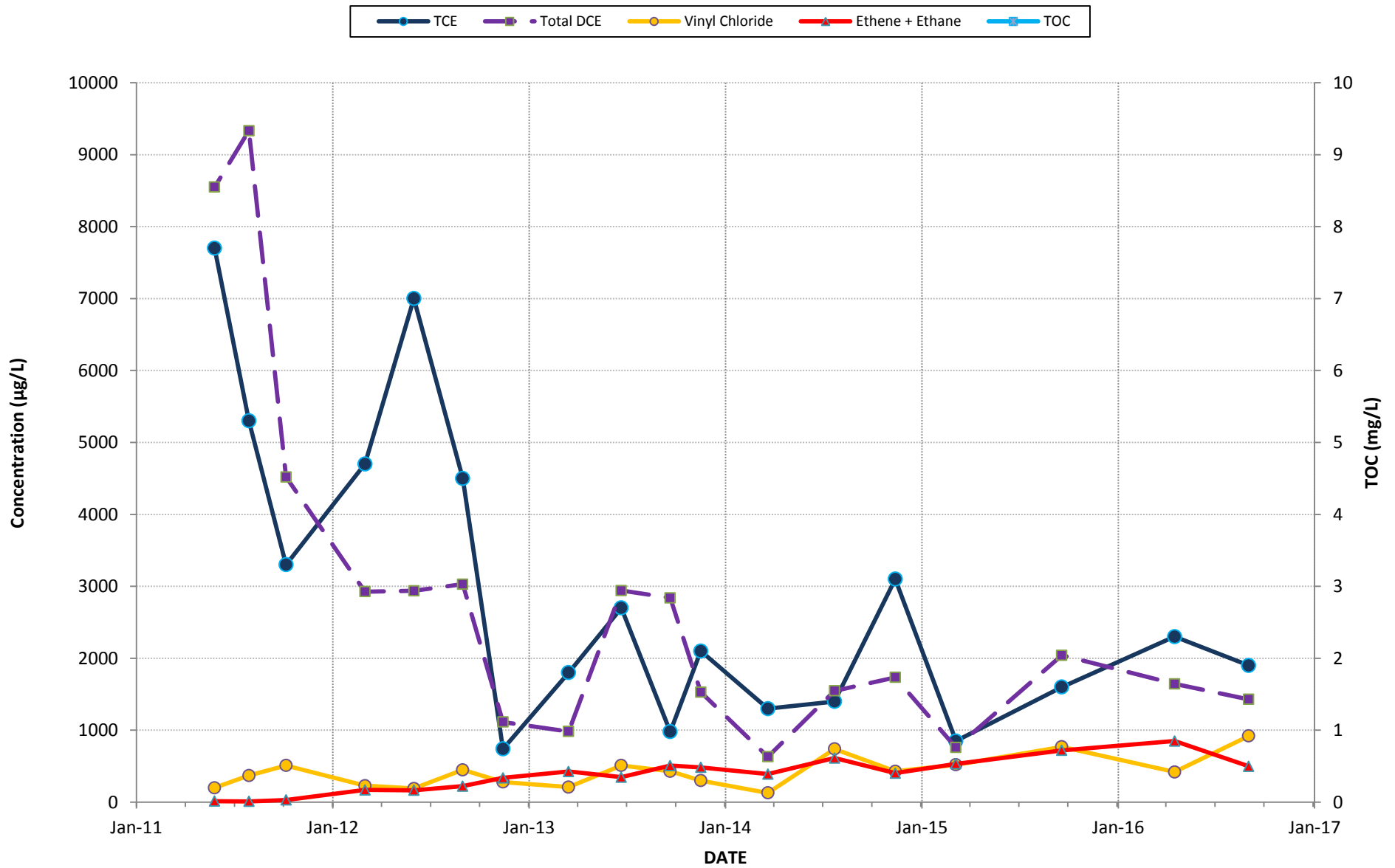
CONCENTRATIONS OF CHLOROETHENES MW-11D



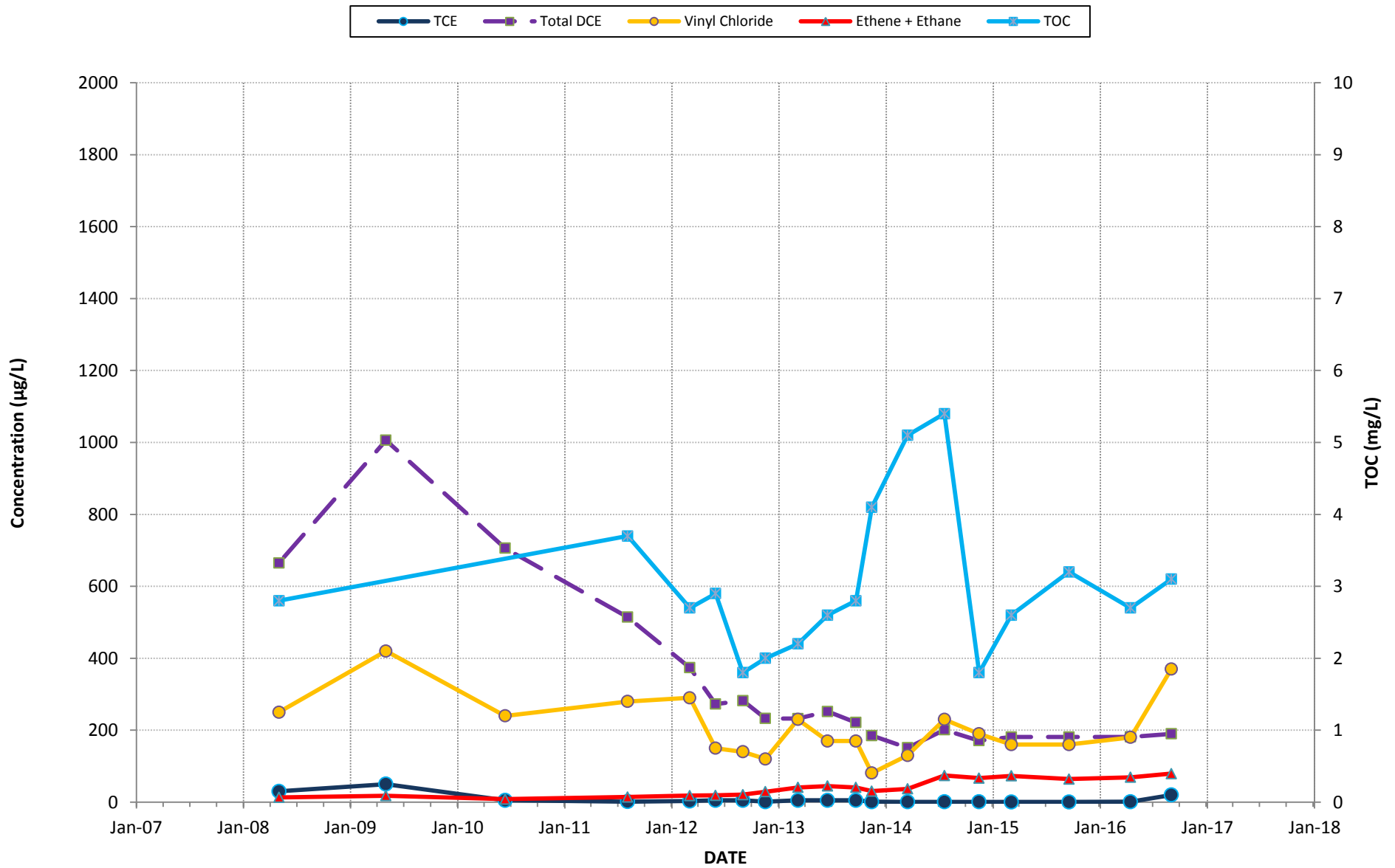
CONCENTRATIONS OF CHLOROETHENES MW-11S



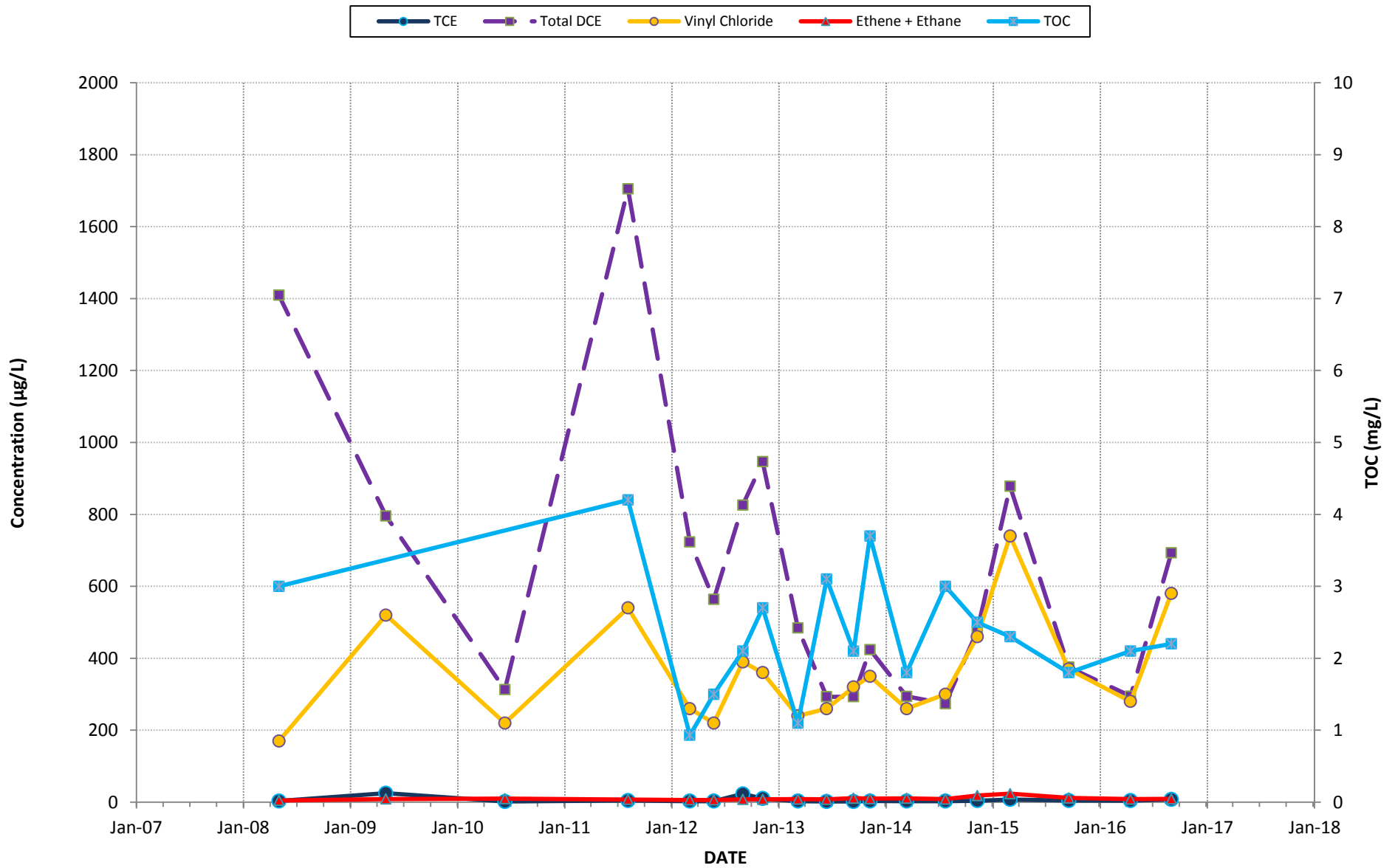
CONCENTRATIONS OF CHLOROETHENES MW-12S



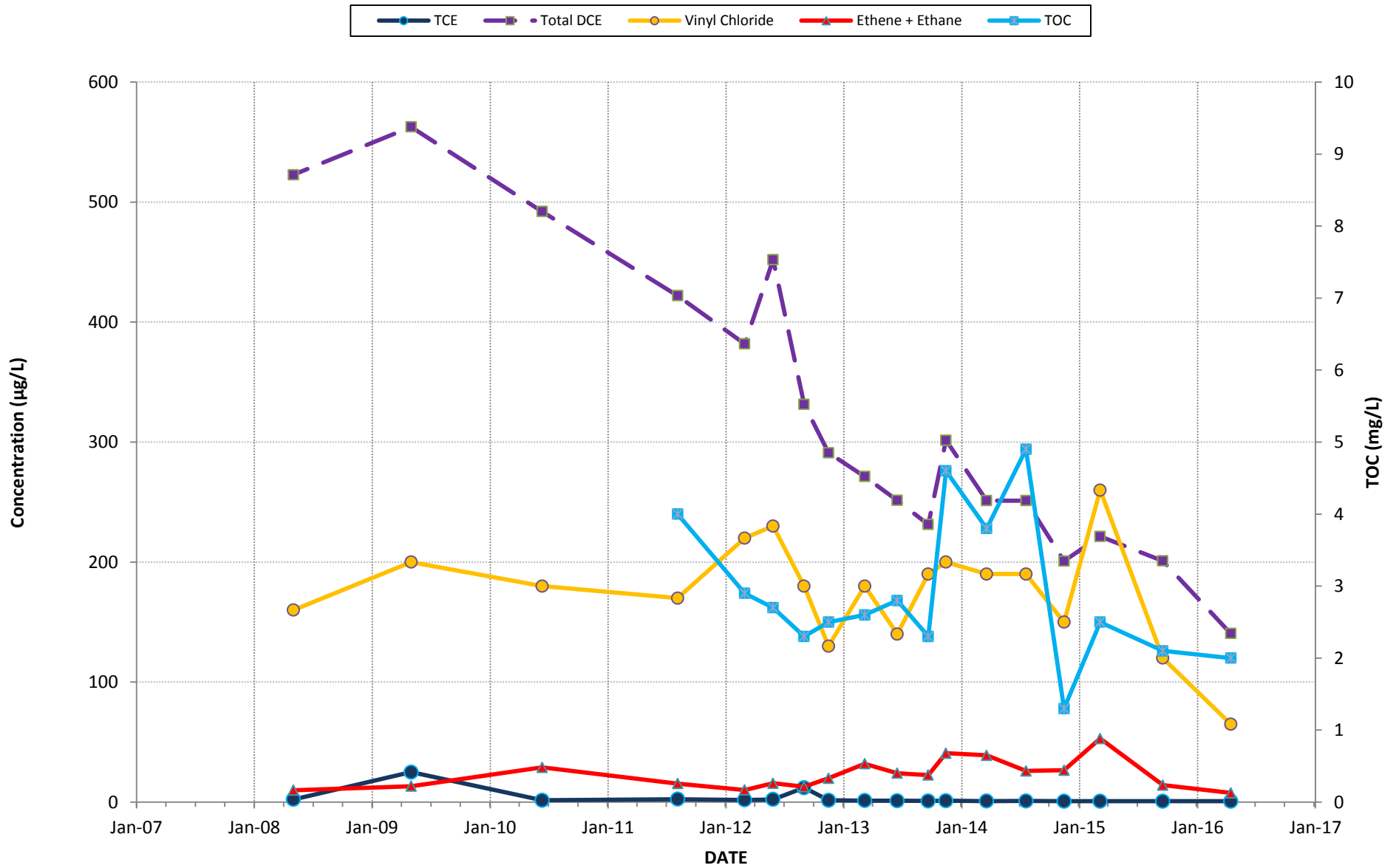
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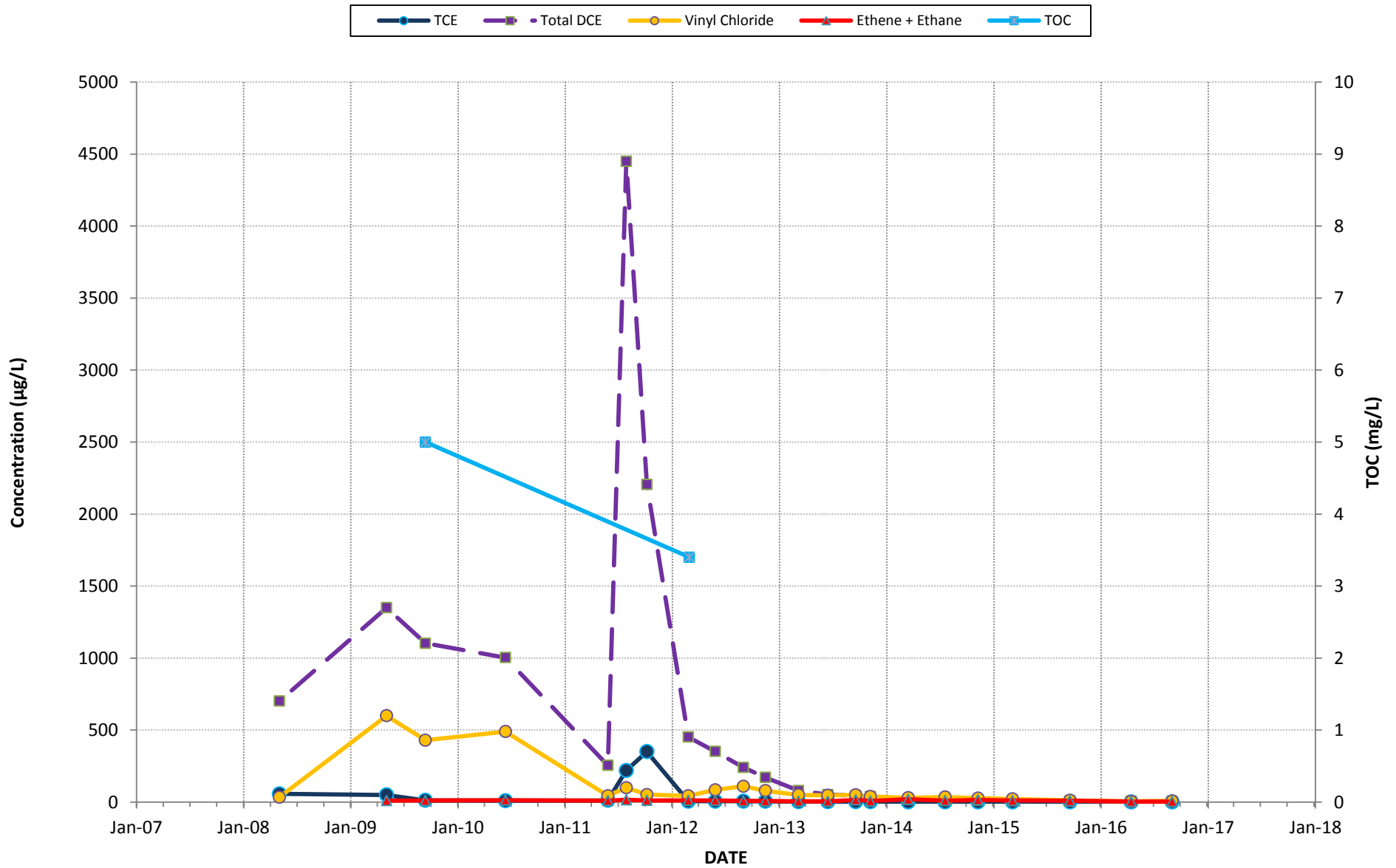
CONCENTRATIONS OF CHLOROETHENES MW-15D



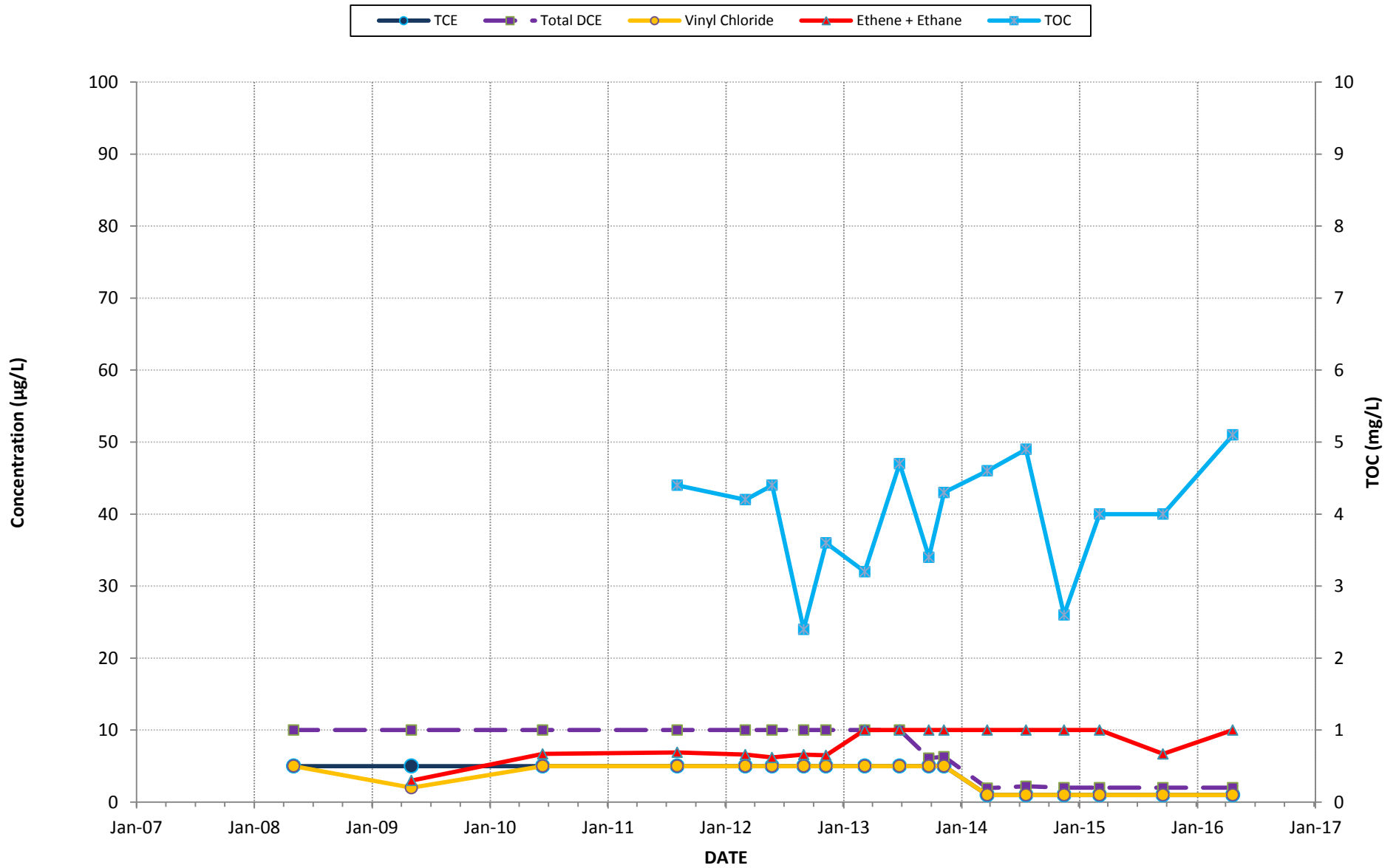
CONCENTRATIONS OF CHLOROETHENES MW-16D



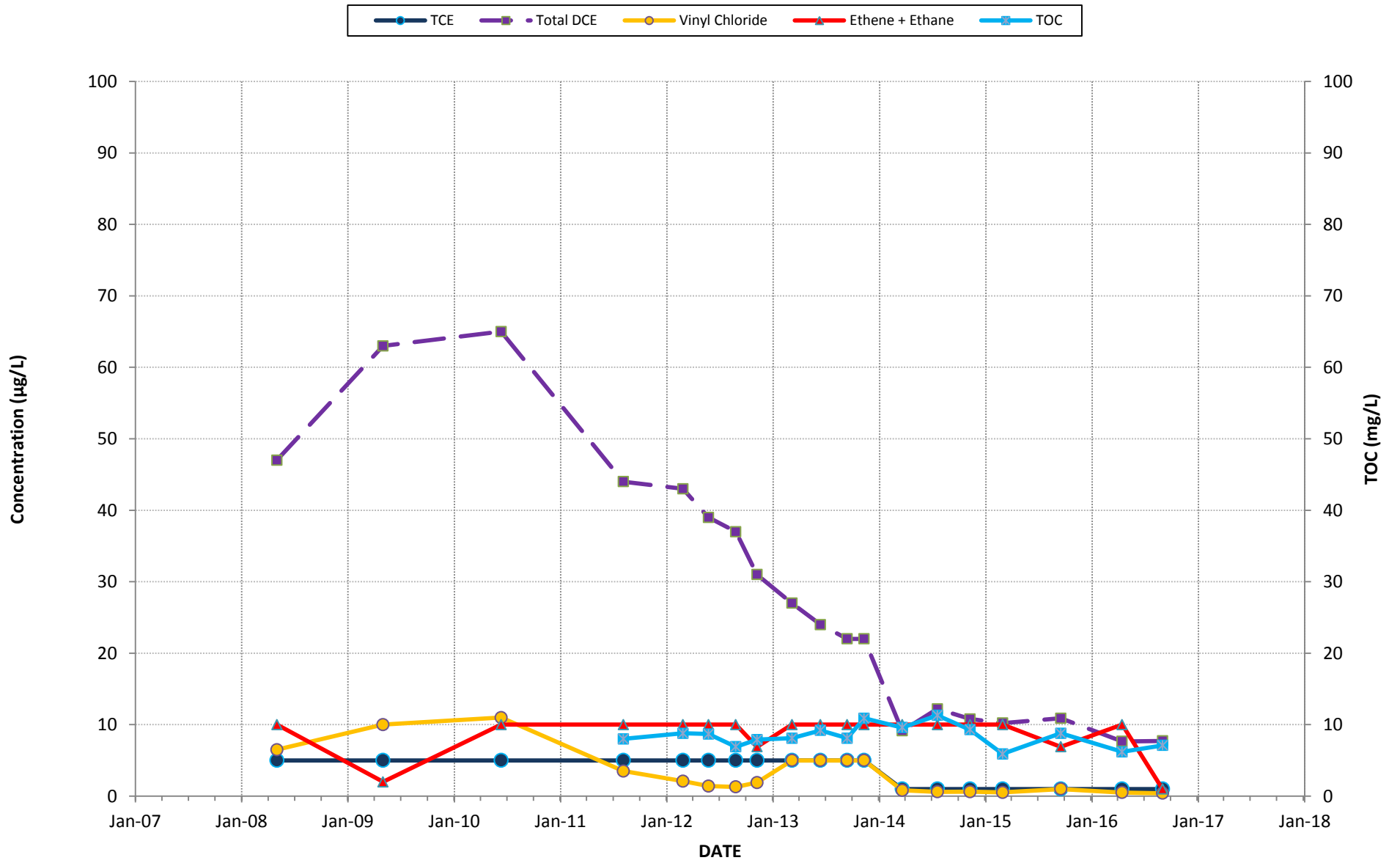
CONCENTRATIONS OF CHLOROETHENES MW-17D



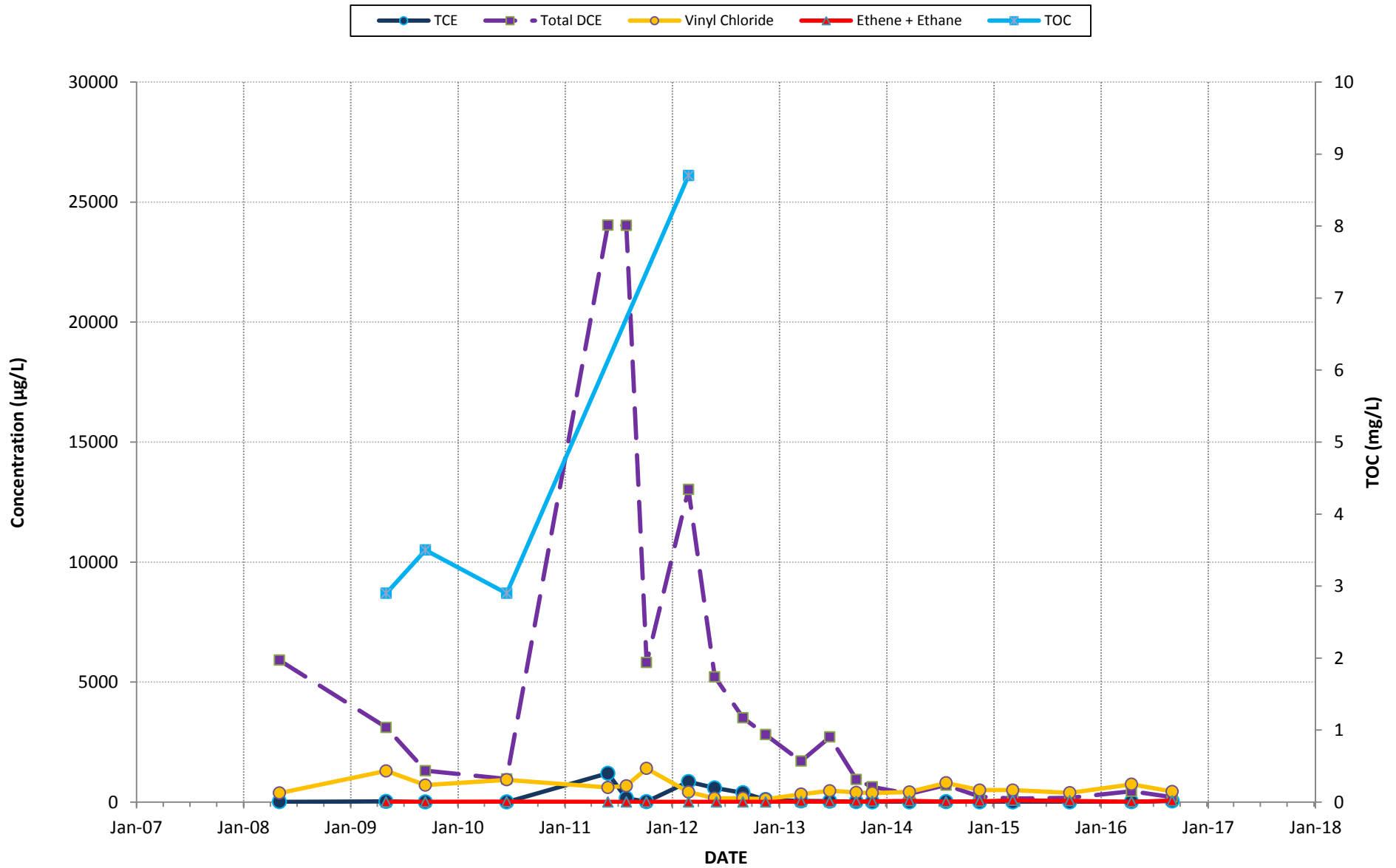
CONCENTRATIONS OF CHLOROETHENES MW-18D



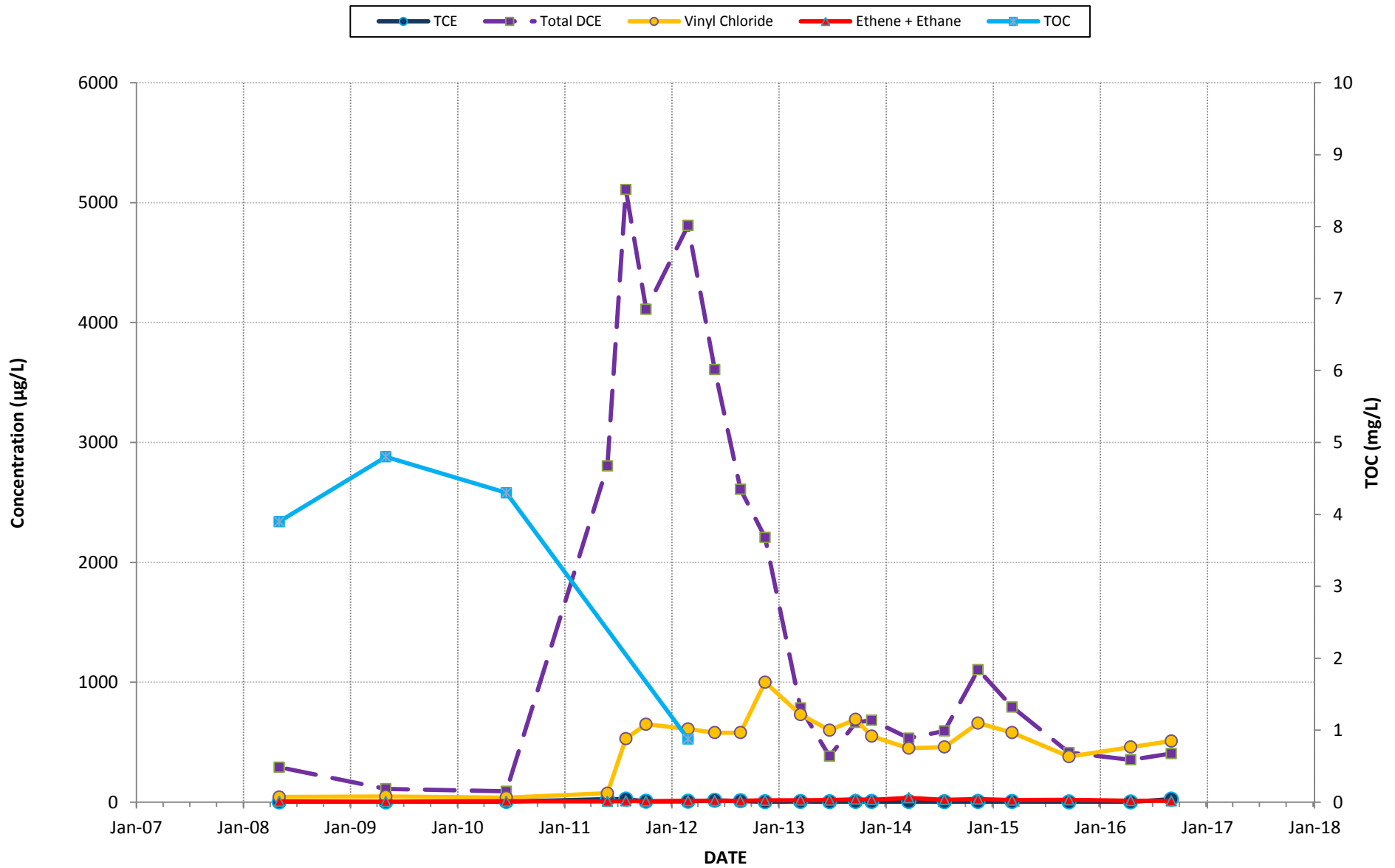
CONCENTRATIONS OF CHLOROETHENES MW-19D



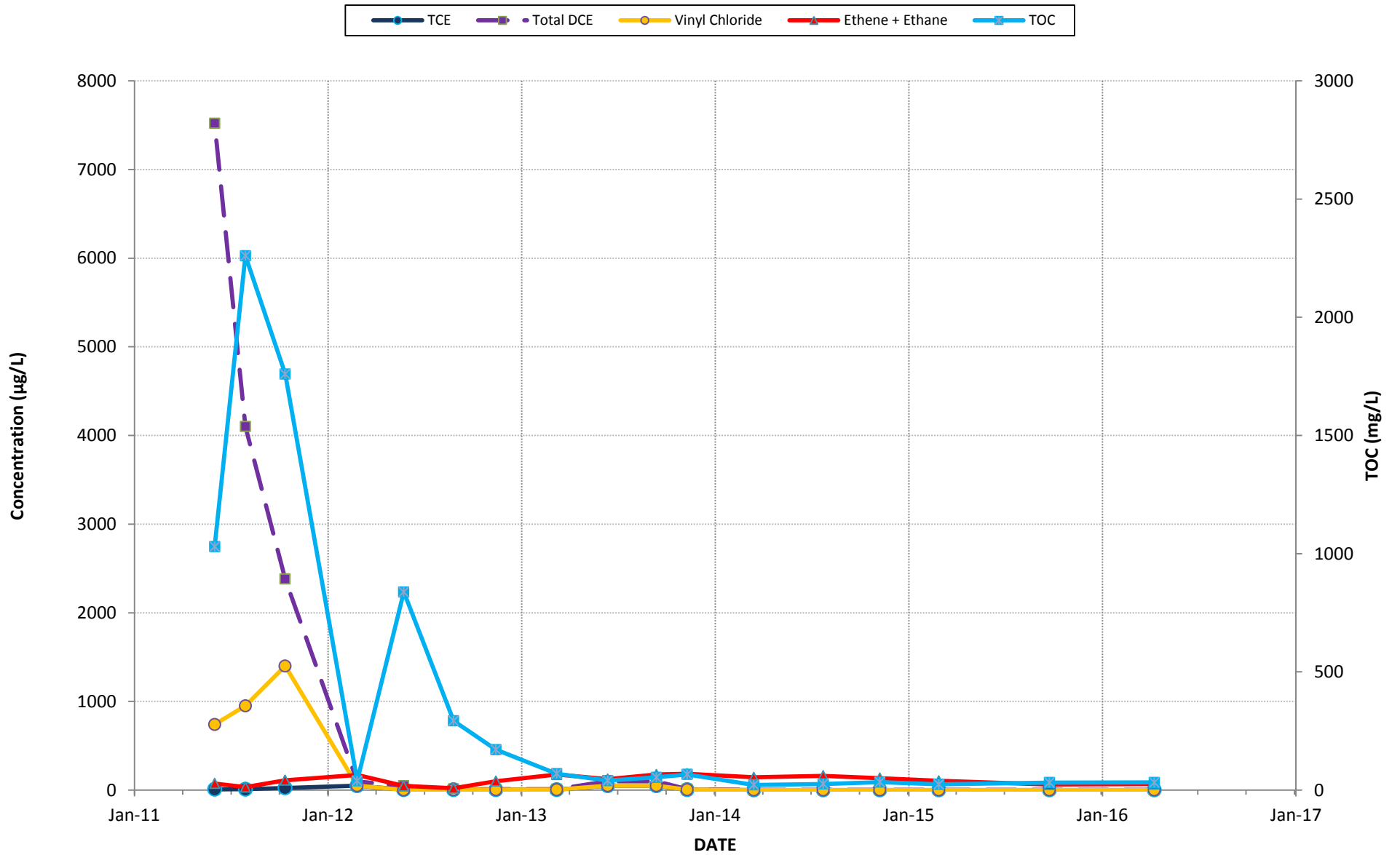
CONCENTRATIONS OF CHLOROETHENES MW-20D



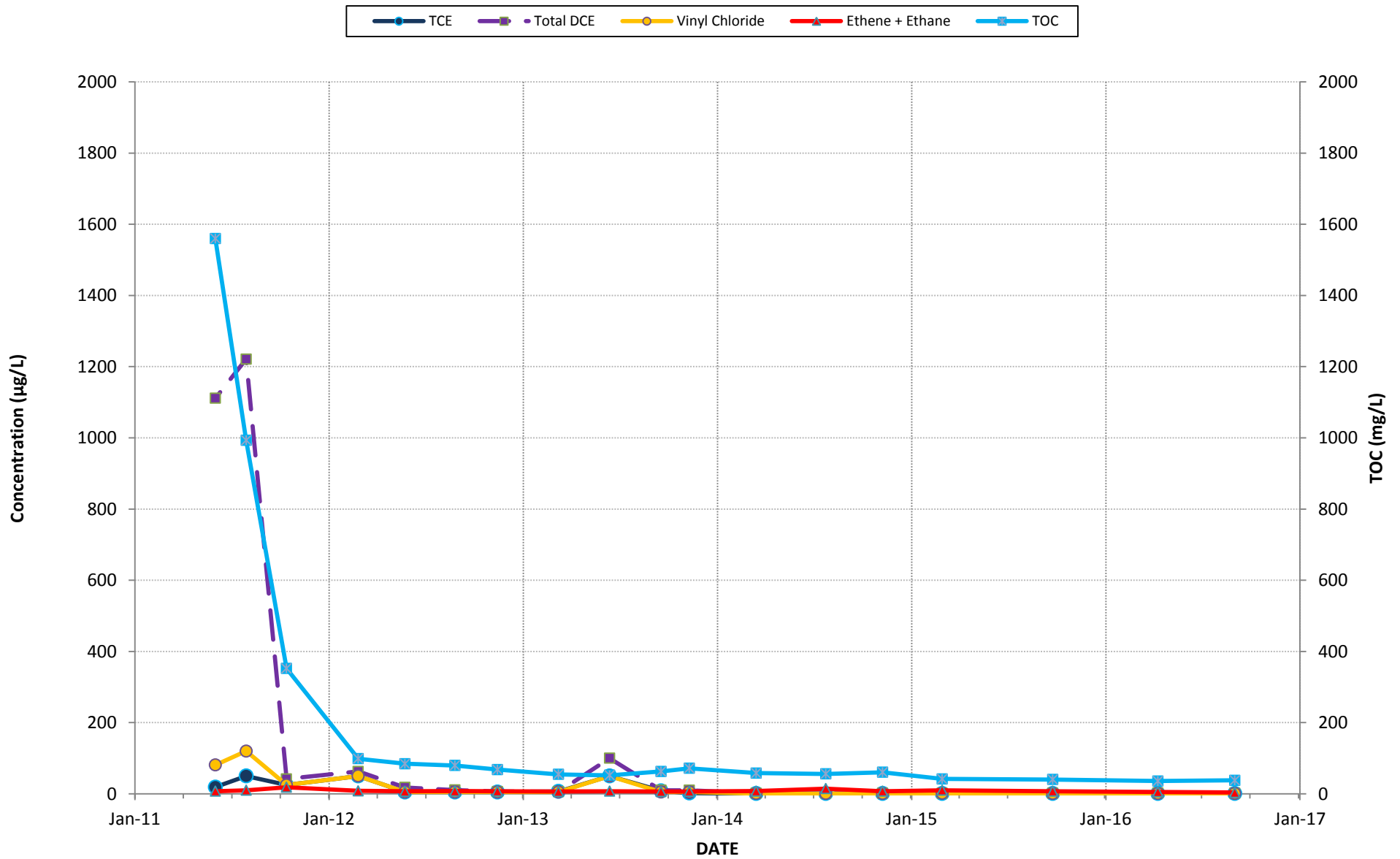
CONCENTRATIONS OF CHLOROETHENES MW-21D



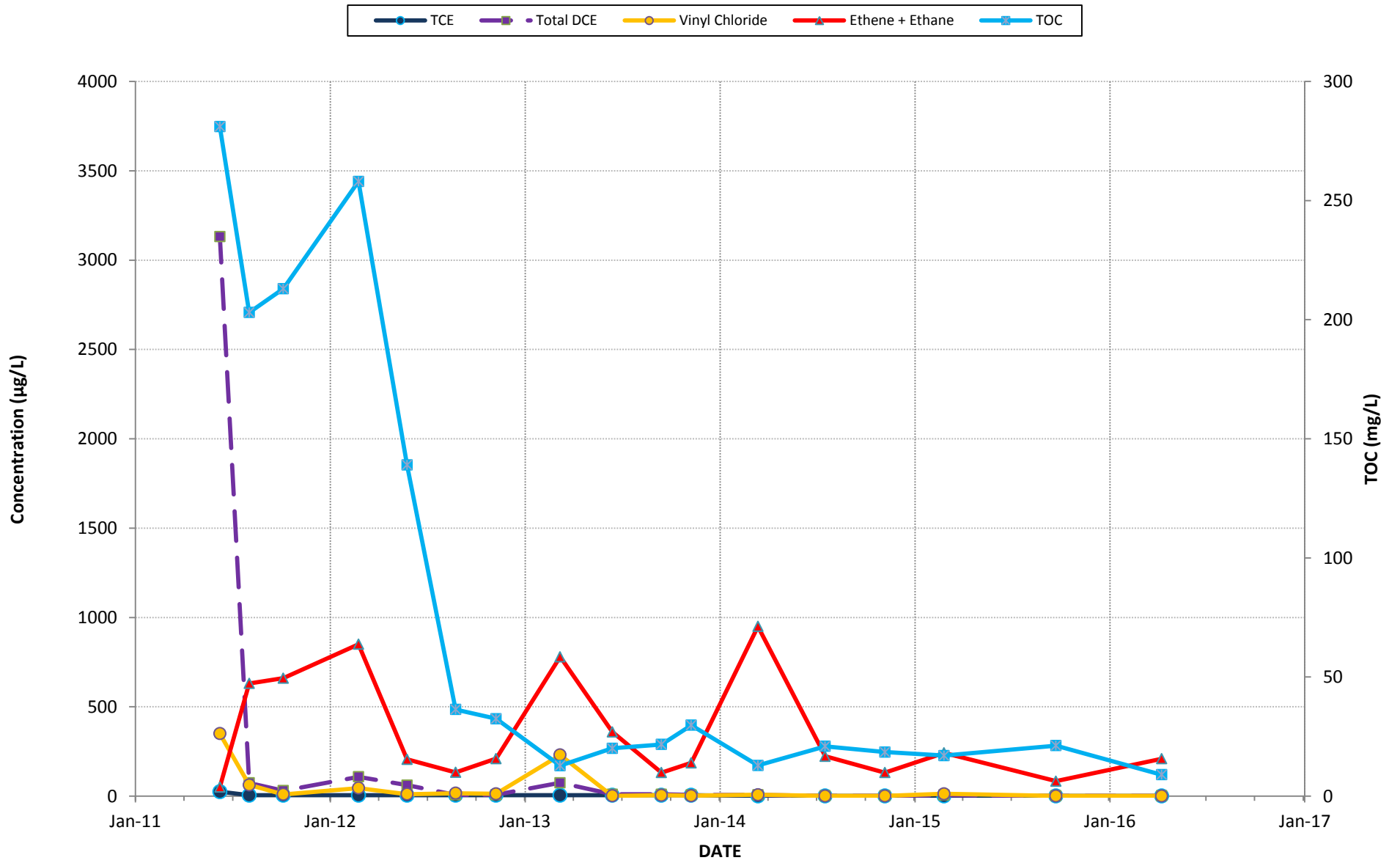
CONCENTRATIONS OF CHLOROETHENES OR- 3SM



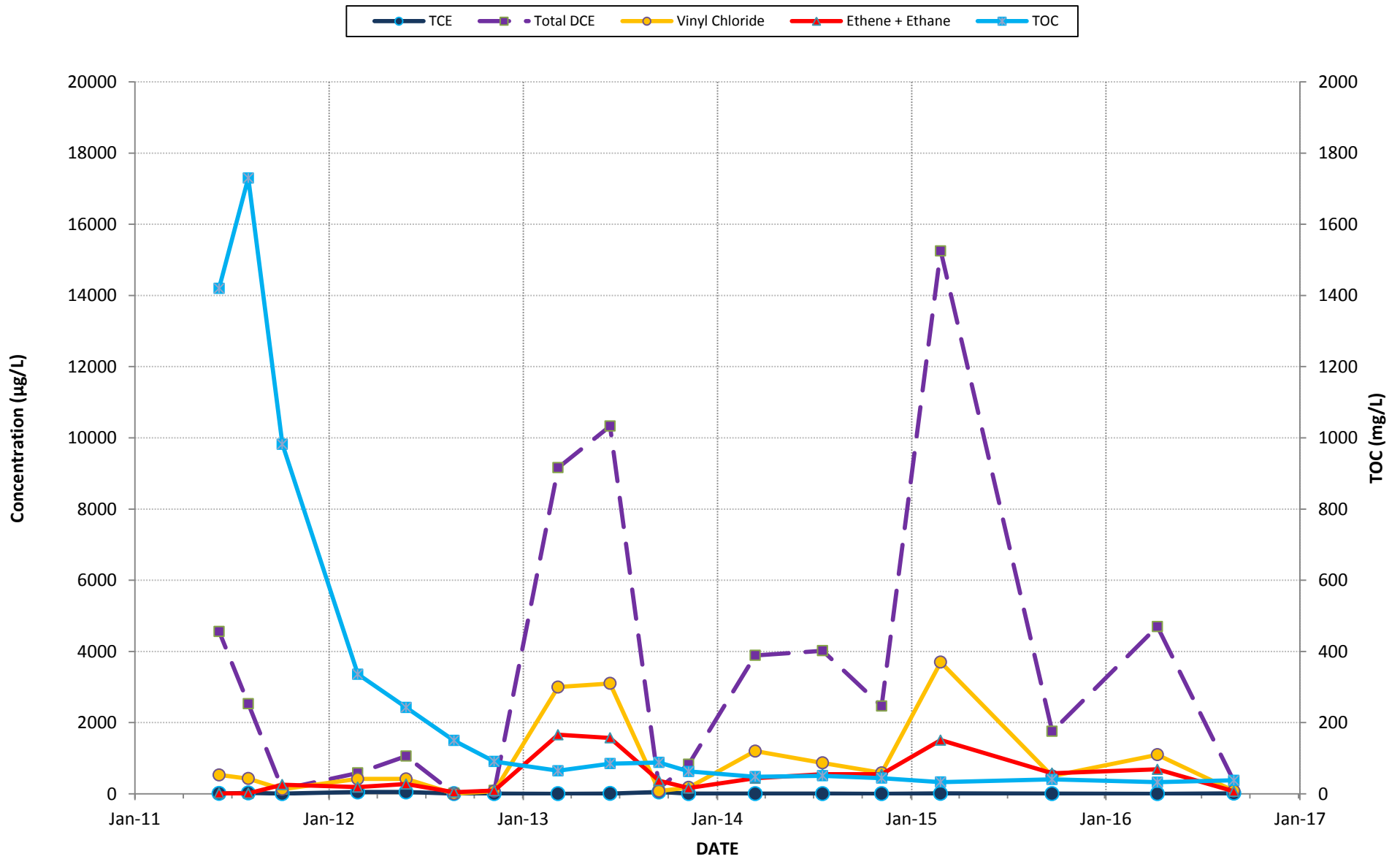
CONCENTRATIONS OF CHLOROETHENES OR- 4SM



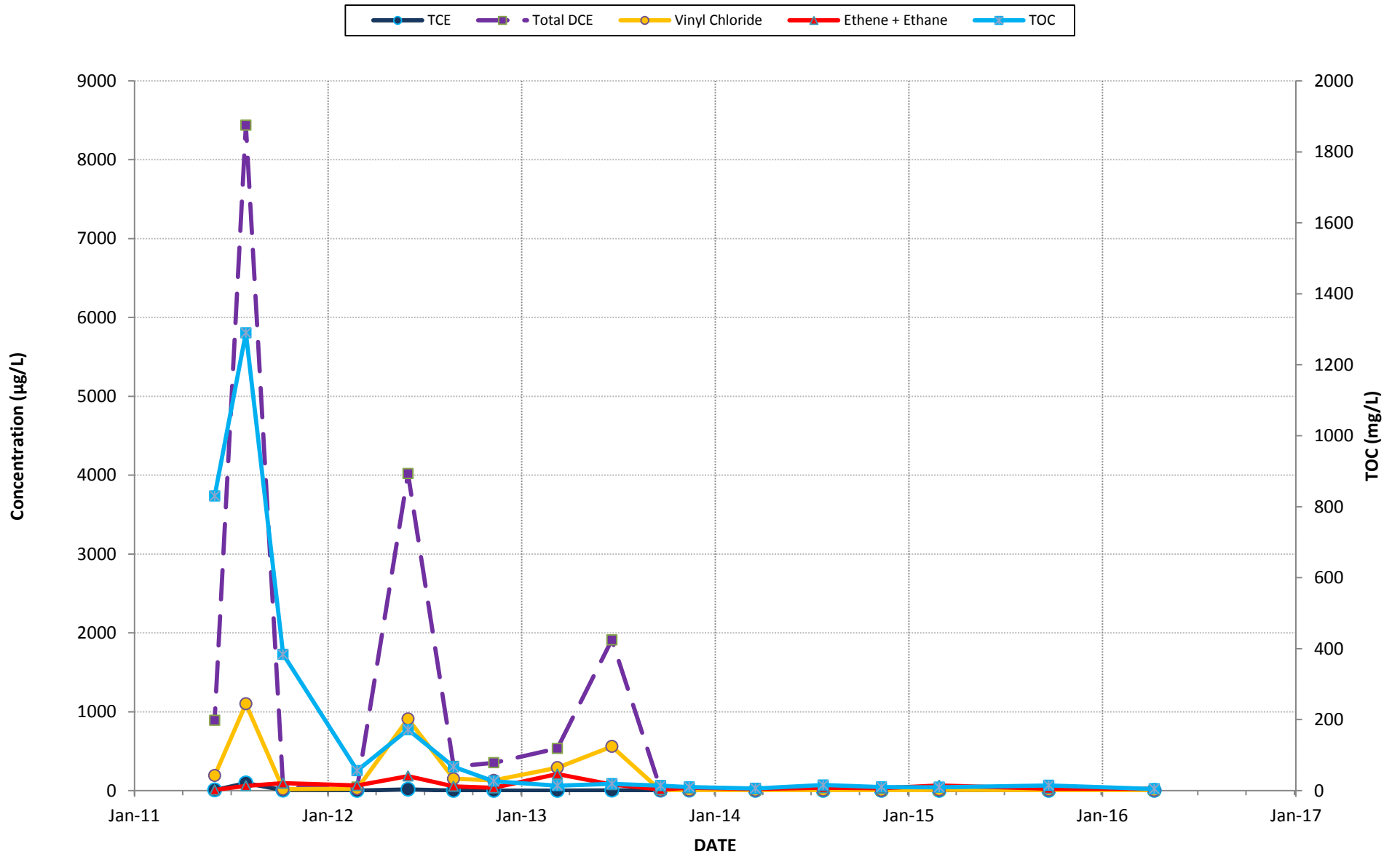
CONCENTRATIONS OF CHLOROETHENES OR- 5SM



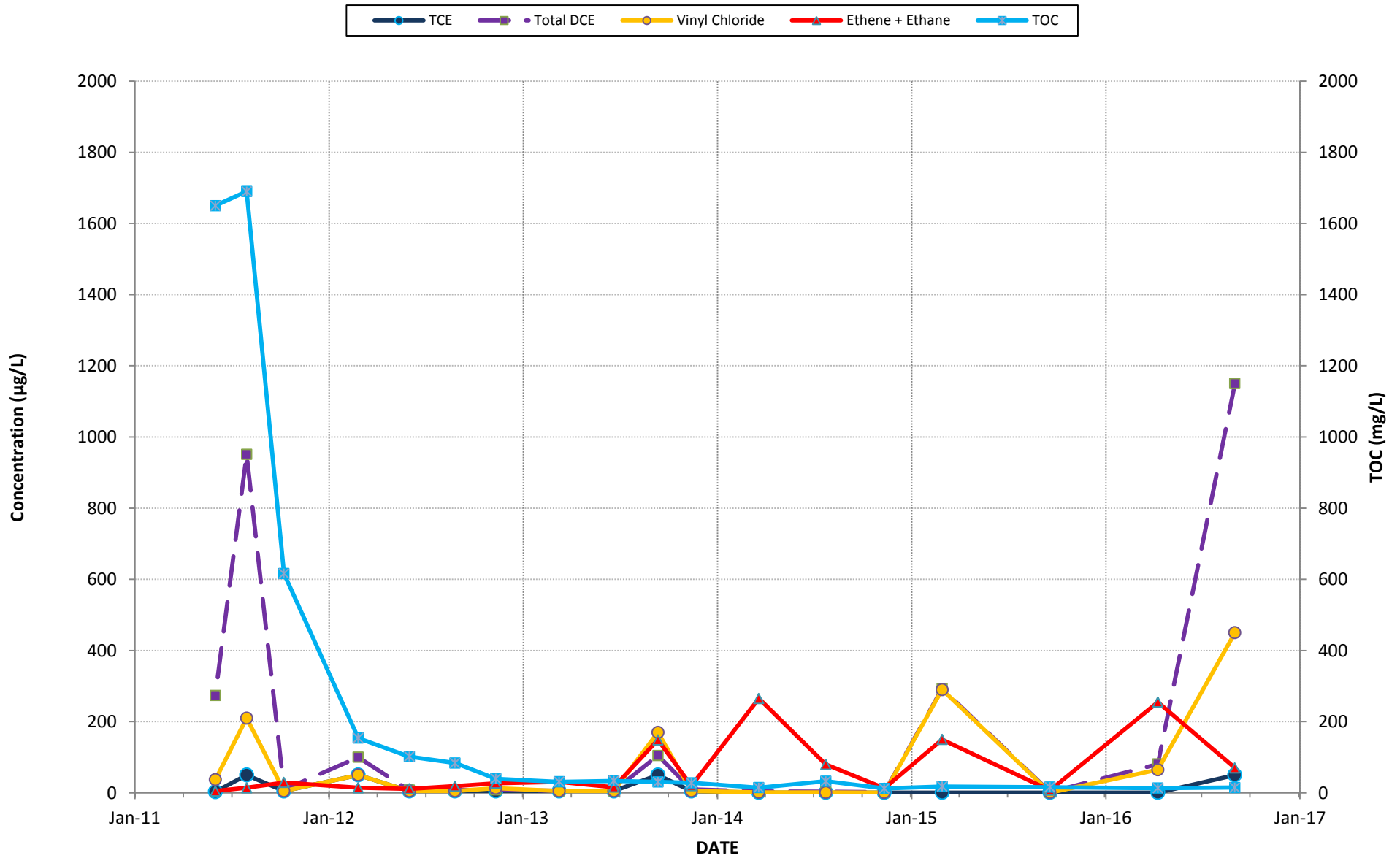
CONCENTRATIONS OF CHLOROETHENES OR- 6SM



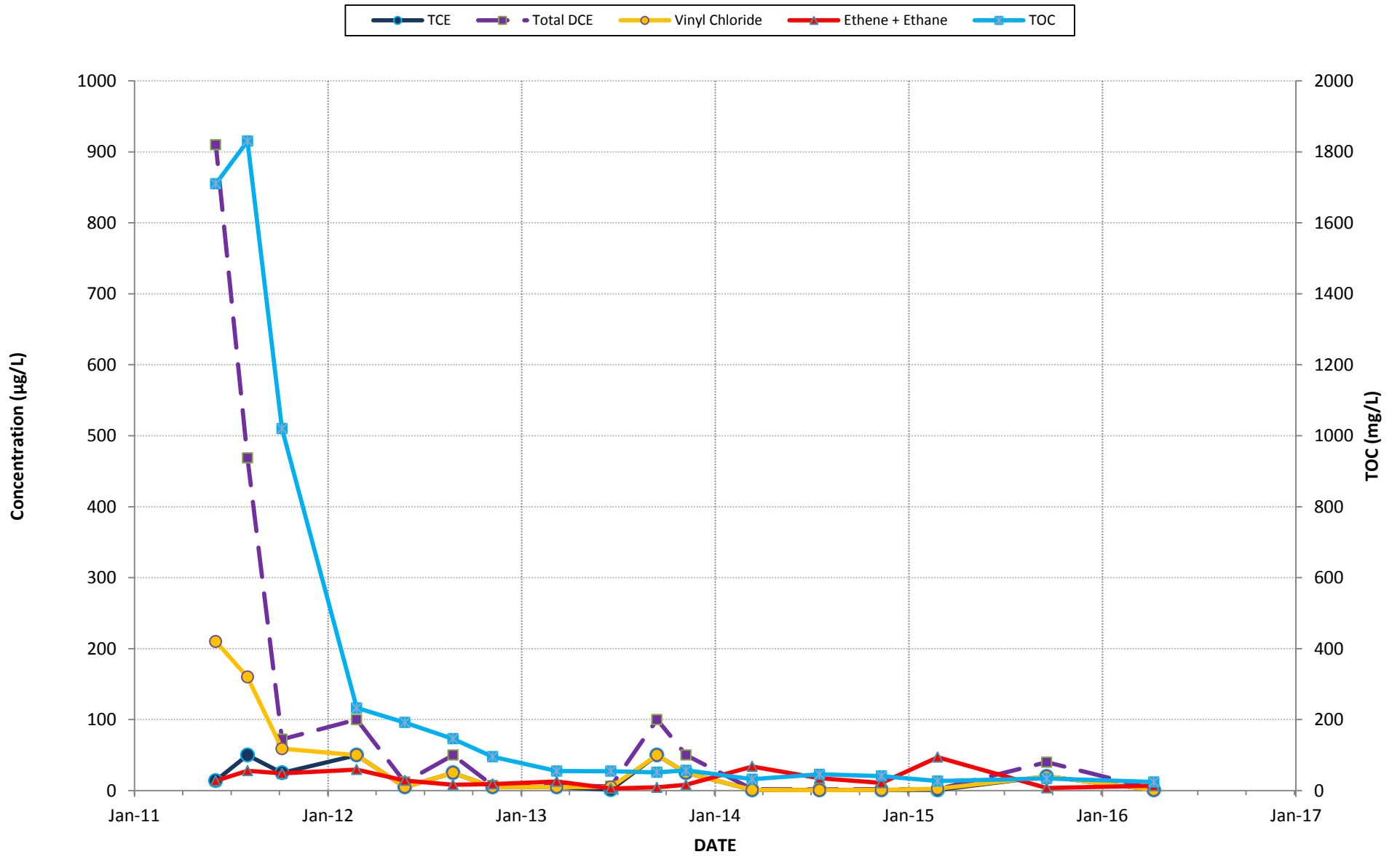
CONCENTRATIONS OF CHLOROETHENES OR- 9SM



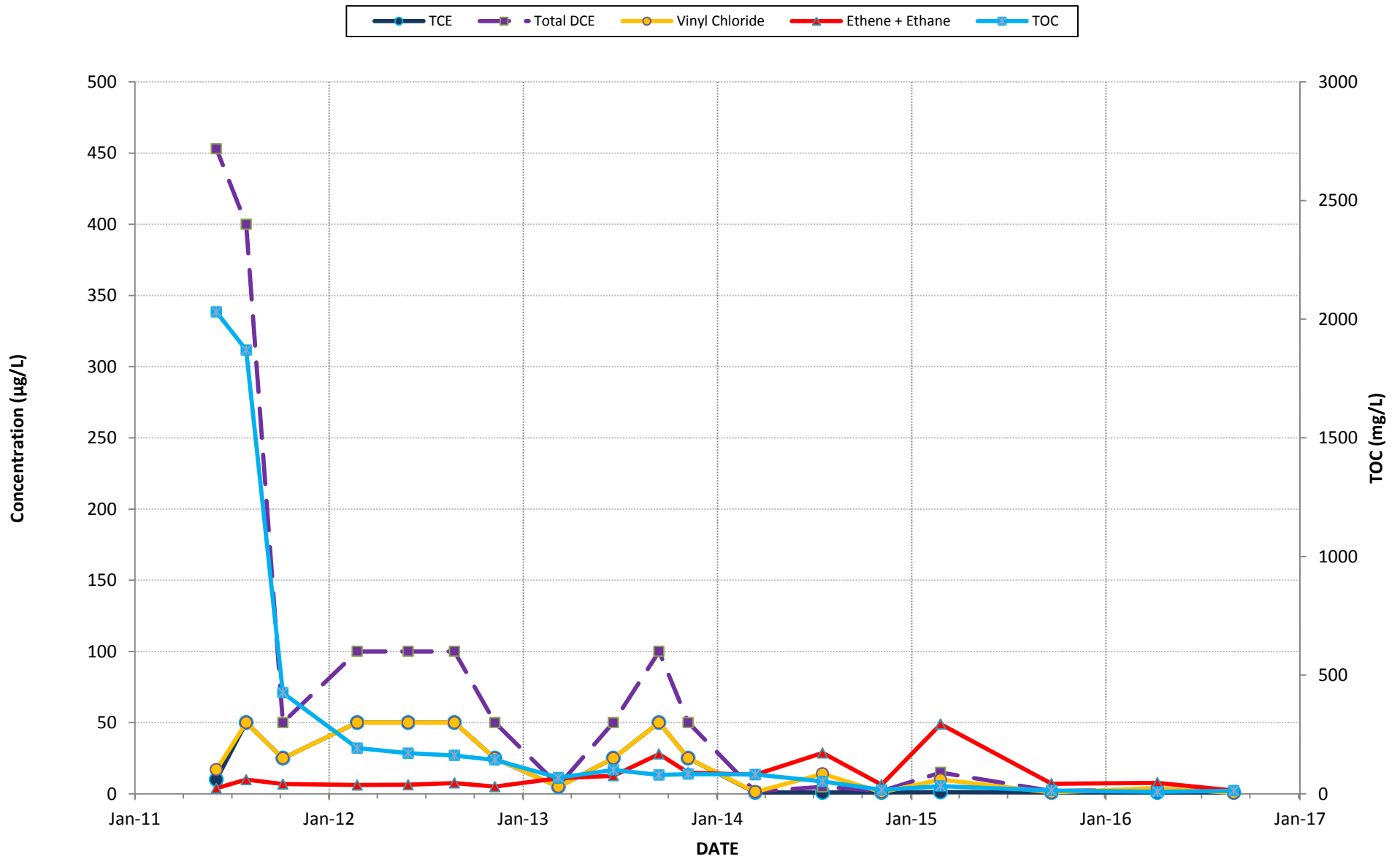
CONCENTRATIONS OF CHLOROETHENES OR-10SM



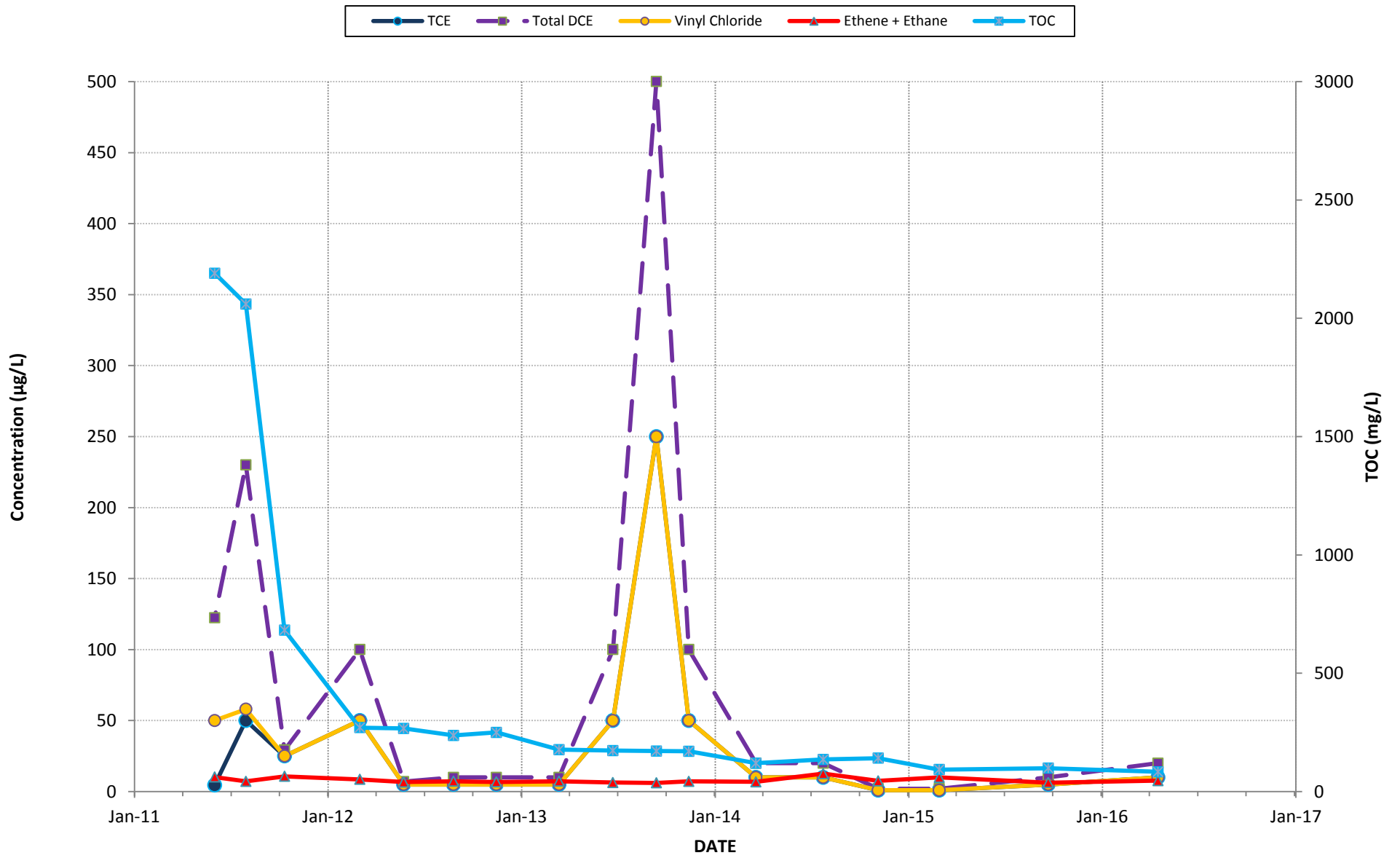
CONCENTRATIONS OF CHLOROETHENES OR-13SM



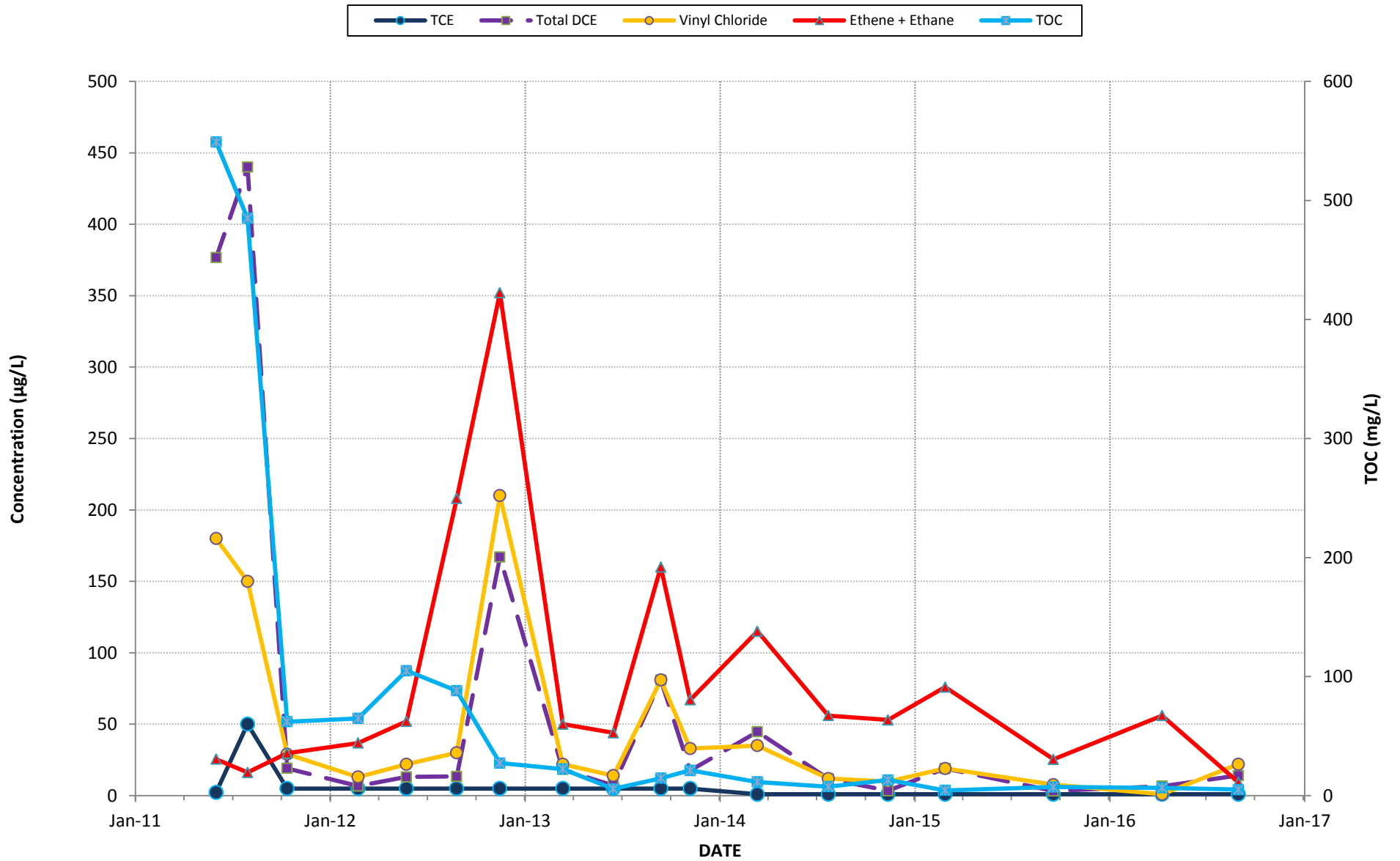
CONCENTRATIONS OF CHLOROETHENES OR-14SM



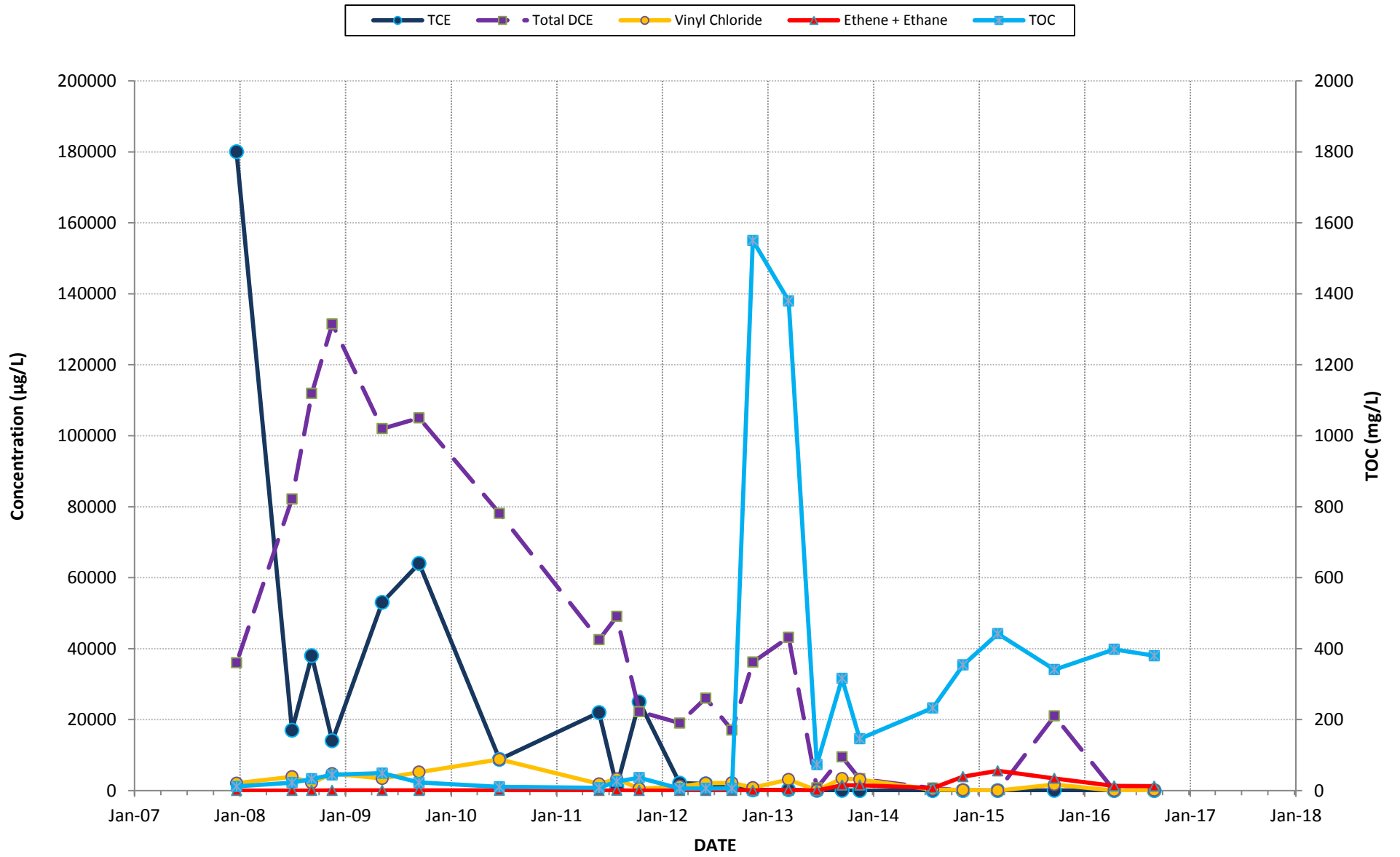
CONCENTRATIONS OF CHLOROETHENES OR-15SM



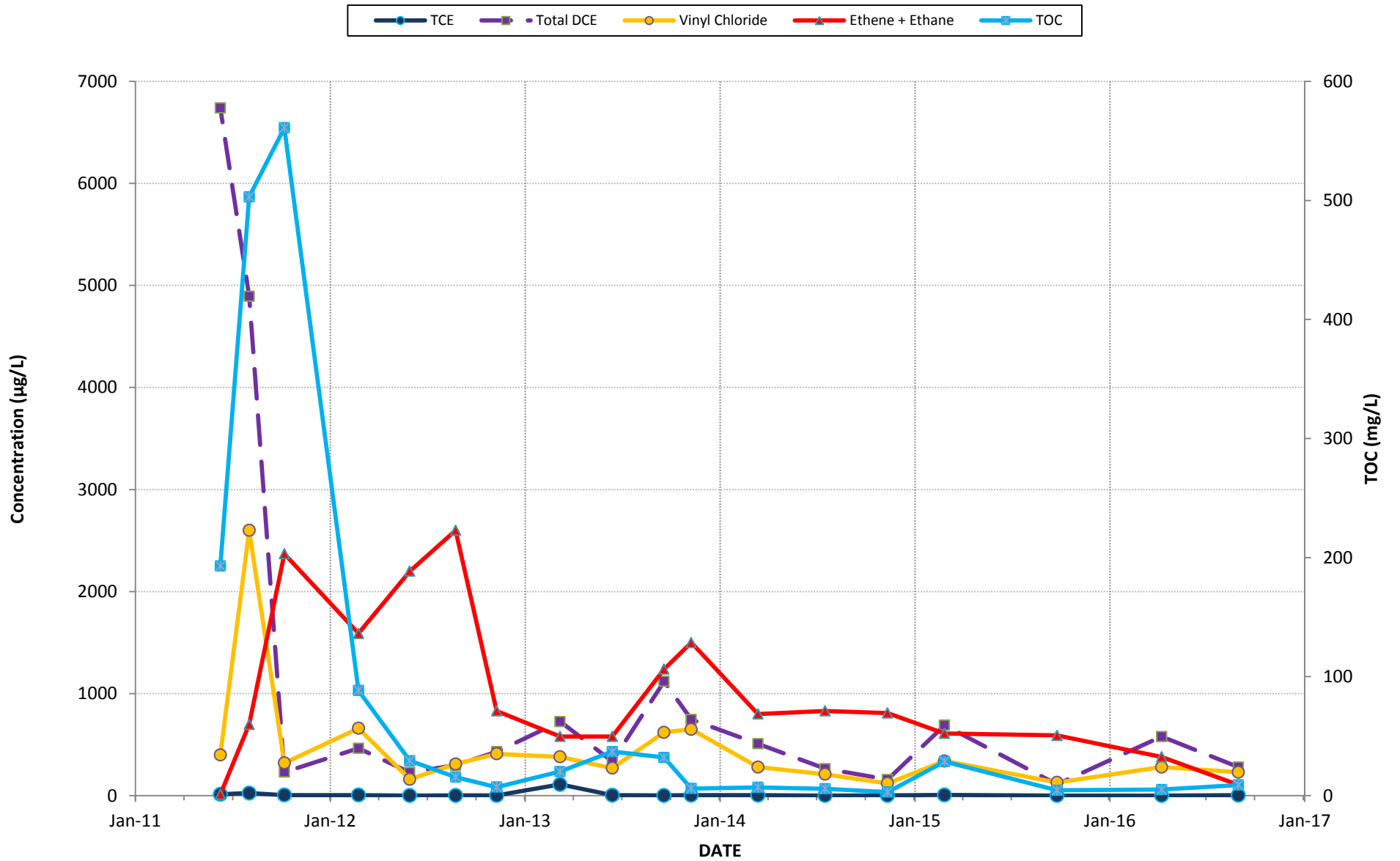
CONCENTRATIONS OF CHLOROETHENES OR-18SM



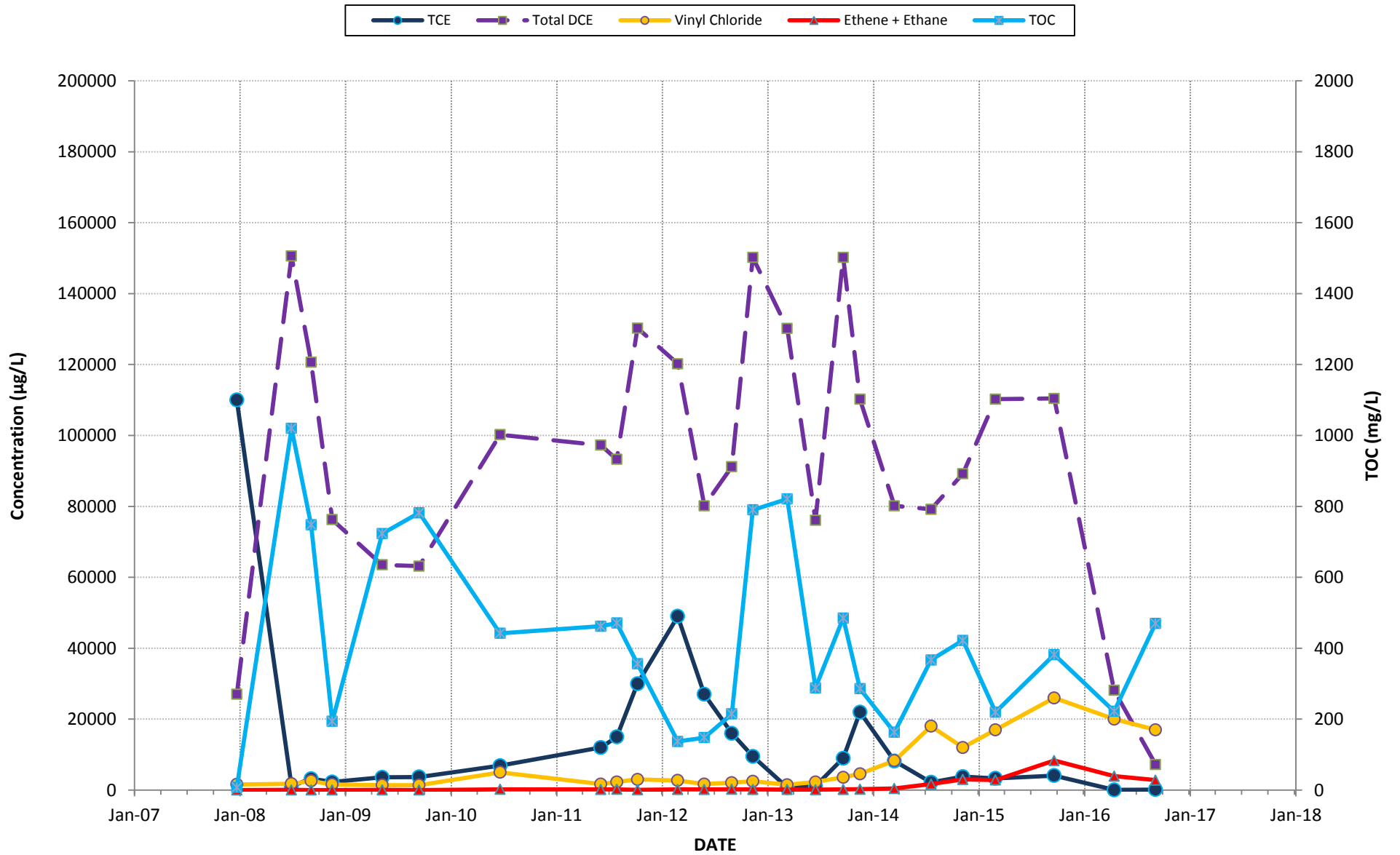
CONCENTRATIONS OF CHLOROETHENES PMW- 1D



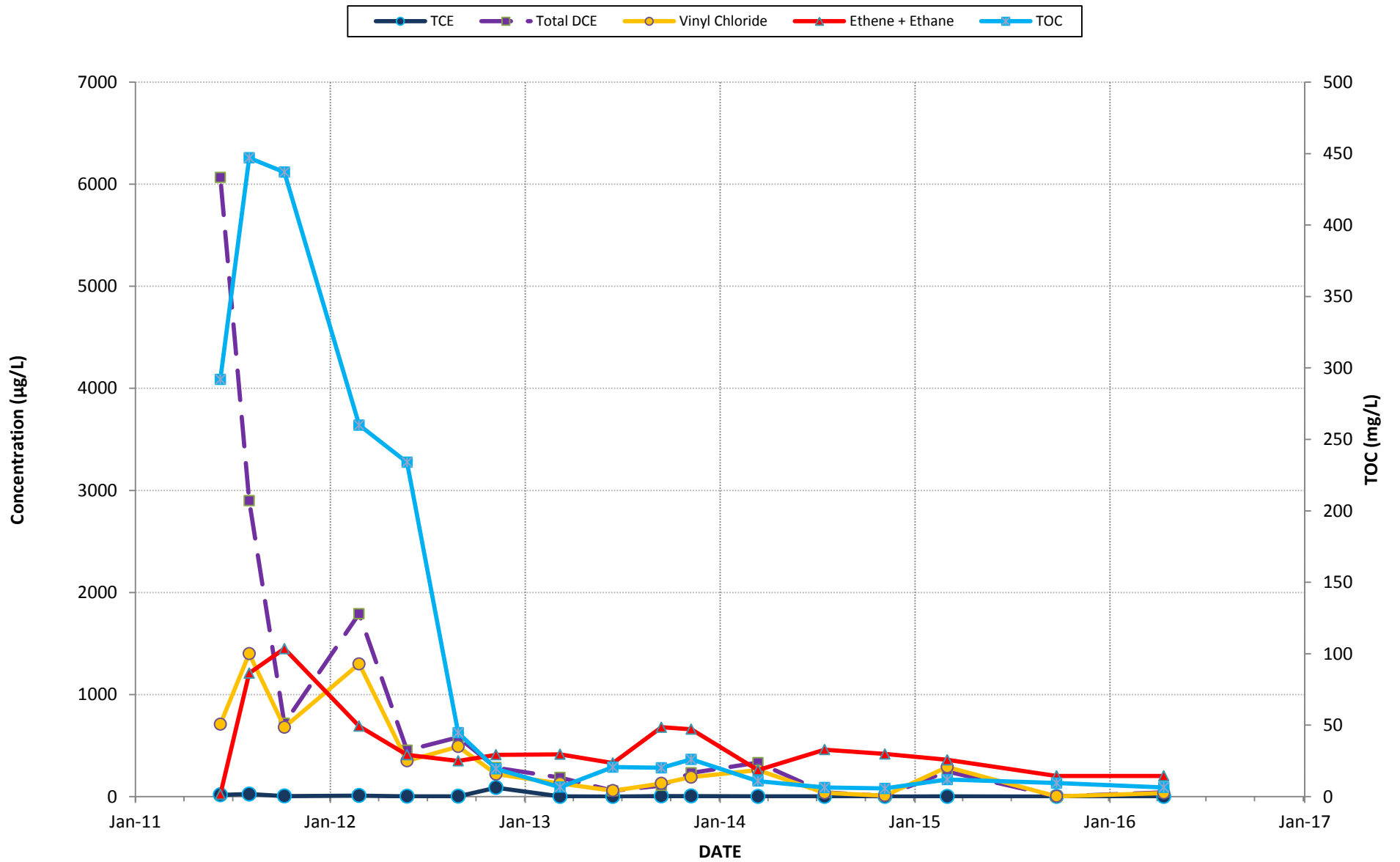
CONCENTRATIONS OF CHLOROETHENES PMW- 1S



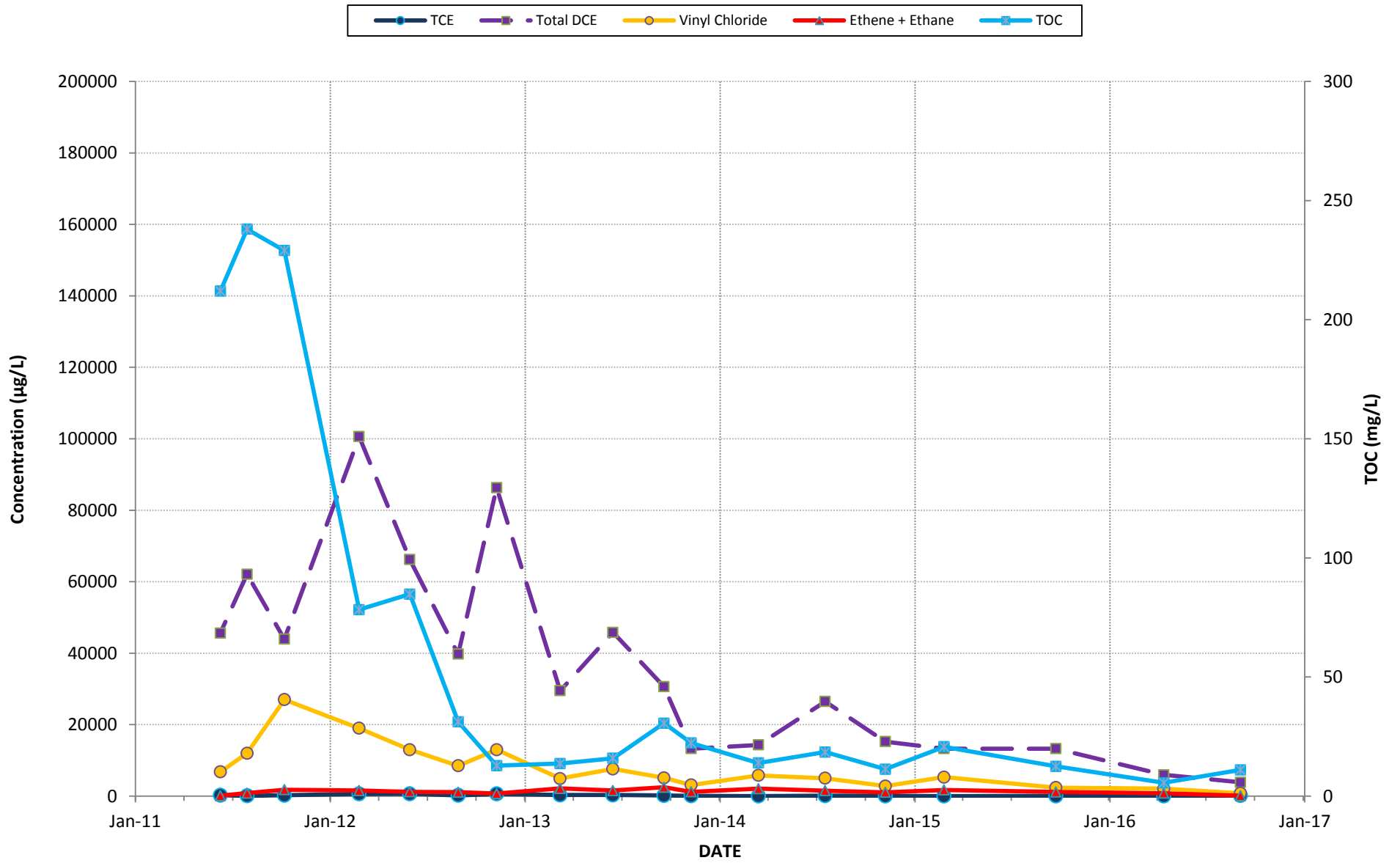
CONCENTRATIONS OF CHLOROETHENES PMW- 2D



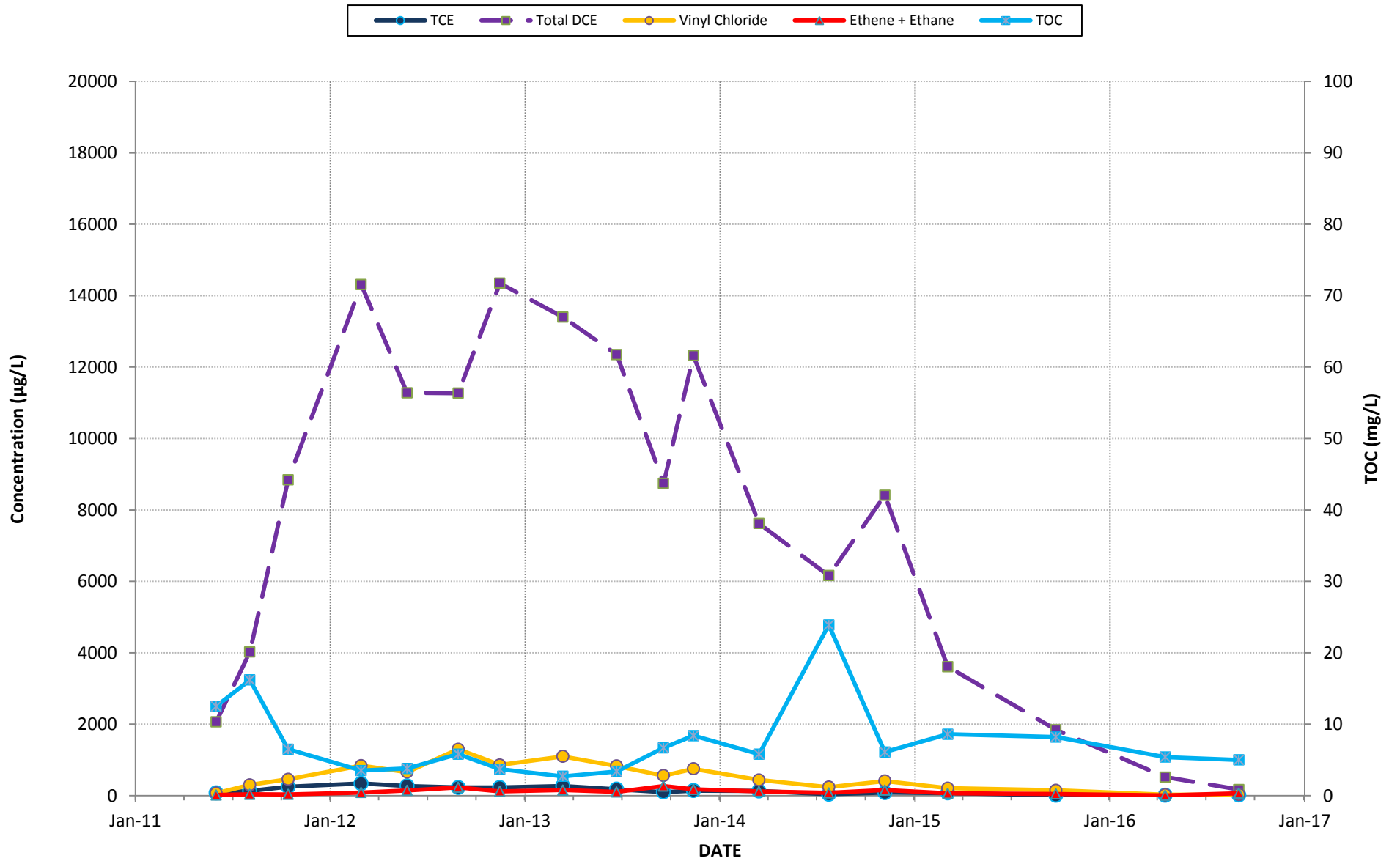
CONCENTRATIONS OF CHLOROETHENES PMW - 2S



CONCENTRATIONS OF CHLOROETHENES PMW - 3S

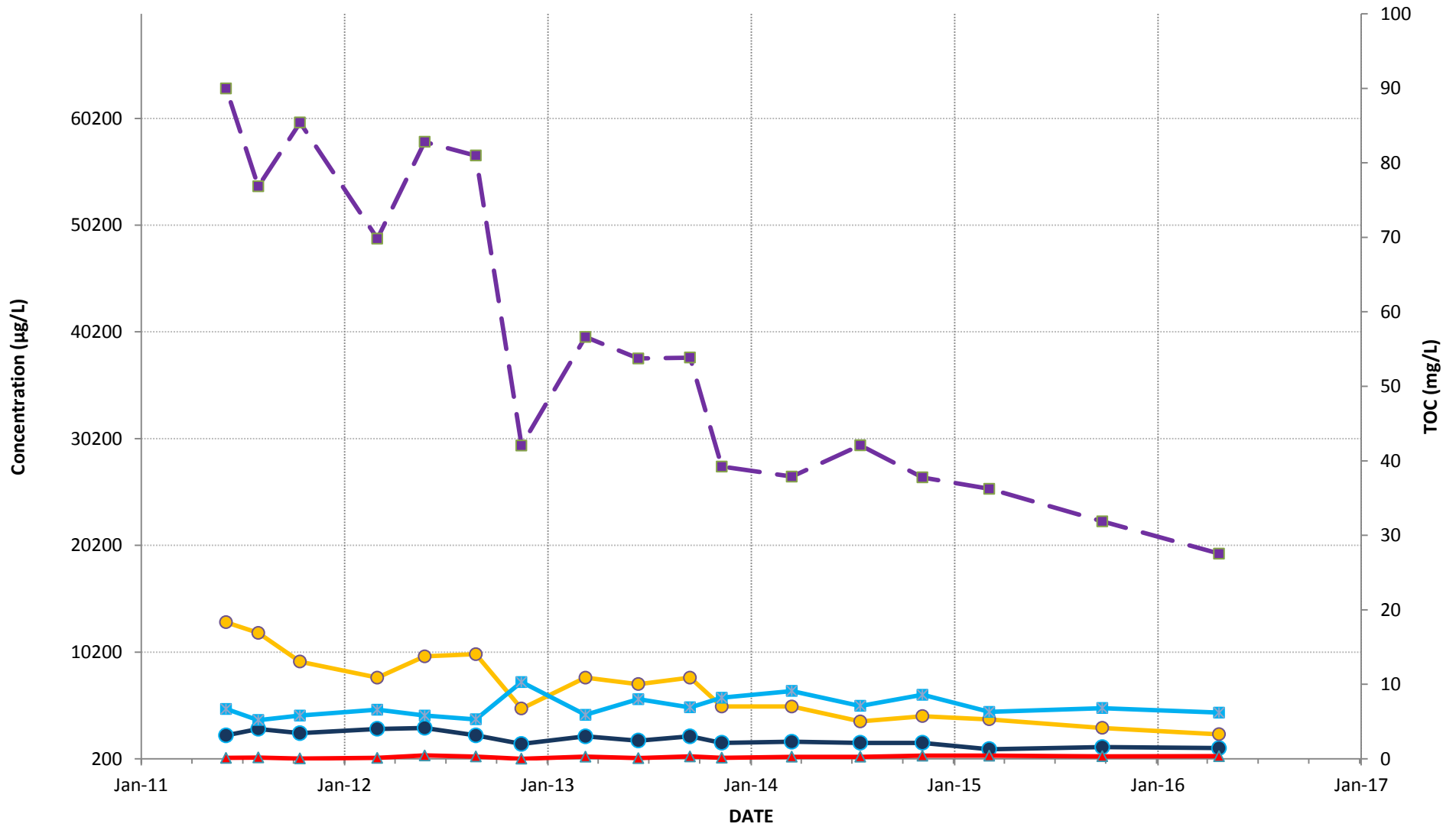


CONCENTRATIONS OF CHLOROETHENES PMW- 4S

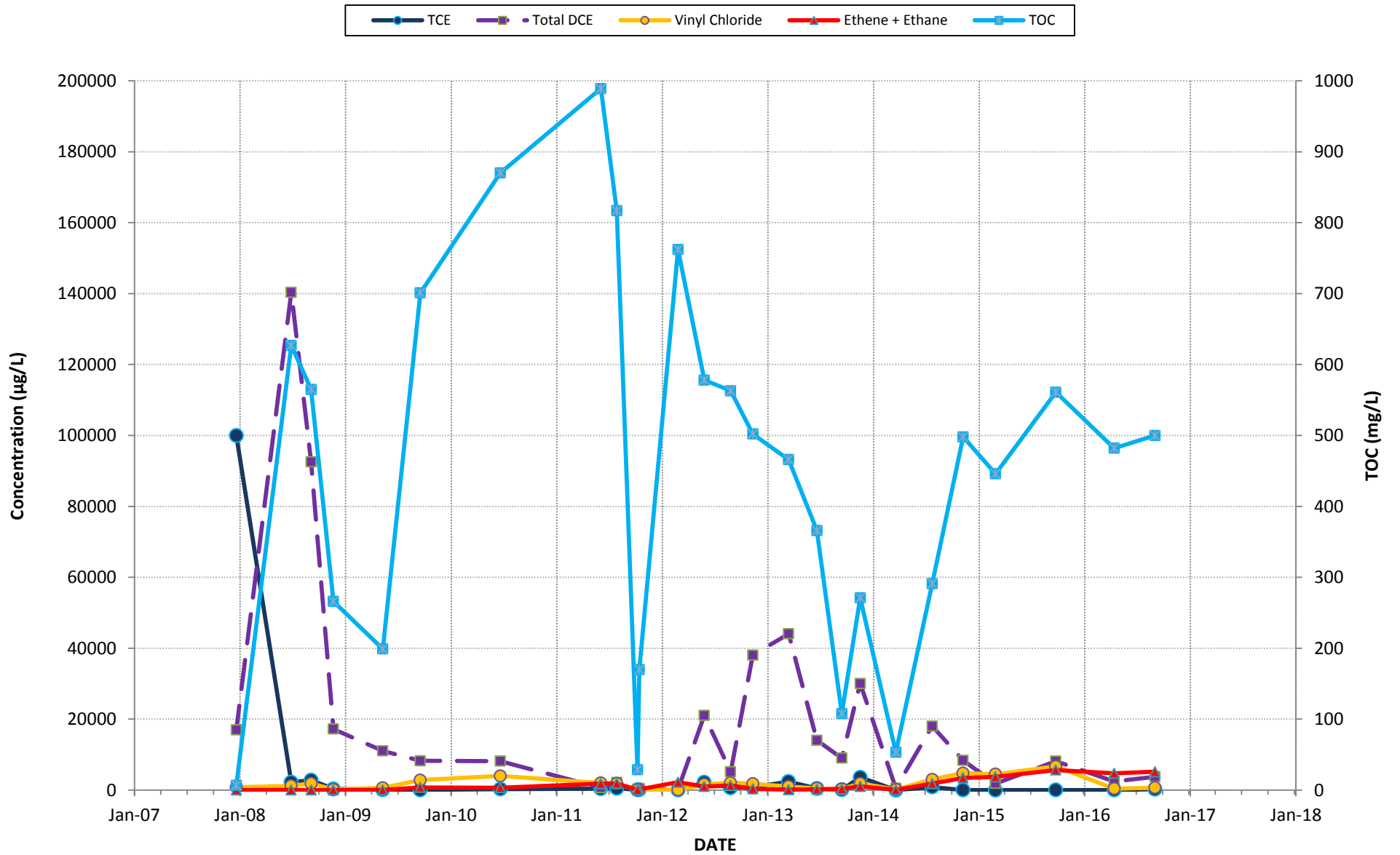


CONCENTRATIONS OF CHLOROETHENES PMW- 5S

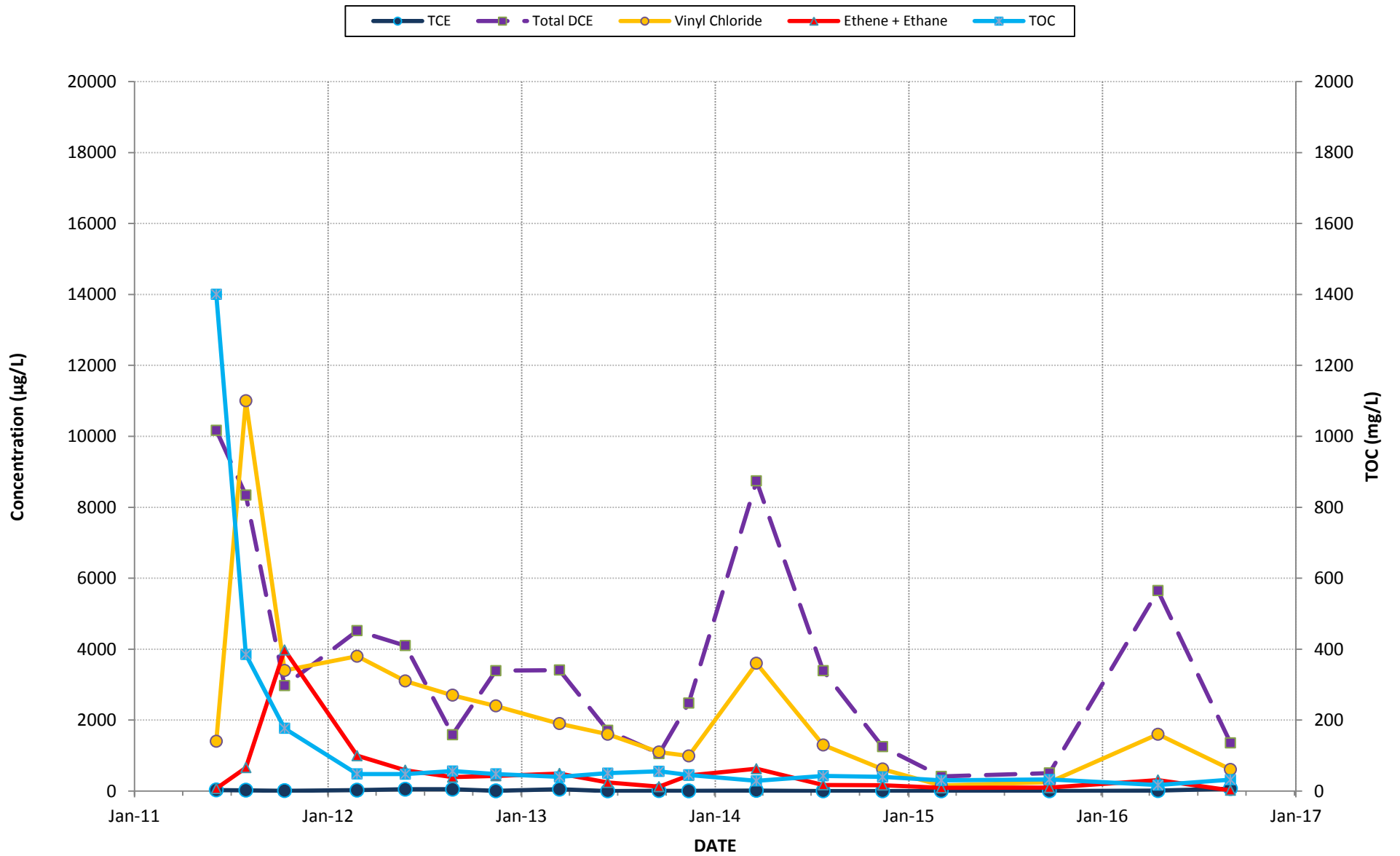
TCE Total DCE Vinyl Chloride Ethene + Ethane TOC



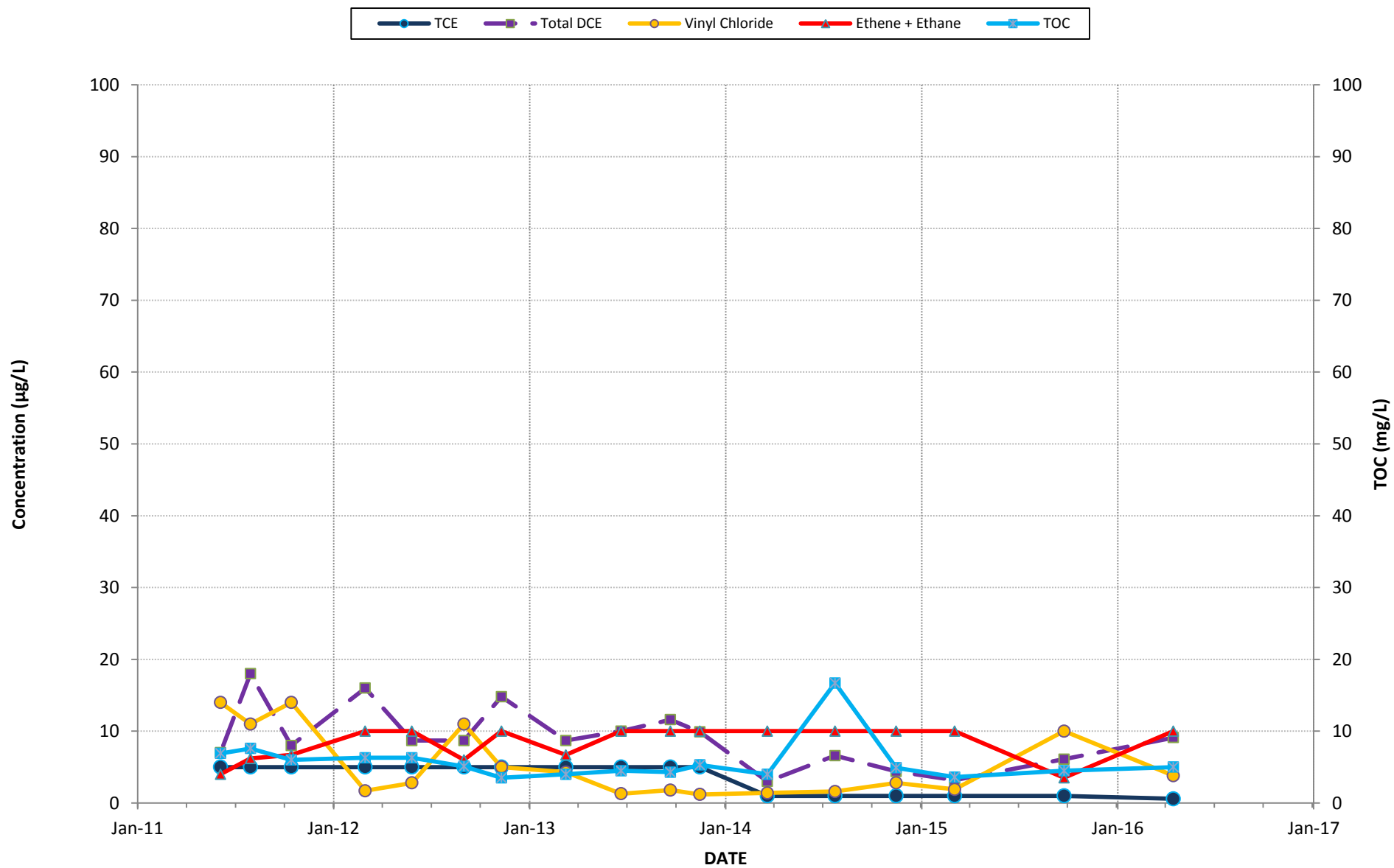
CONCENTRATIONS OF CHLOROETHENES PMW- 6D



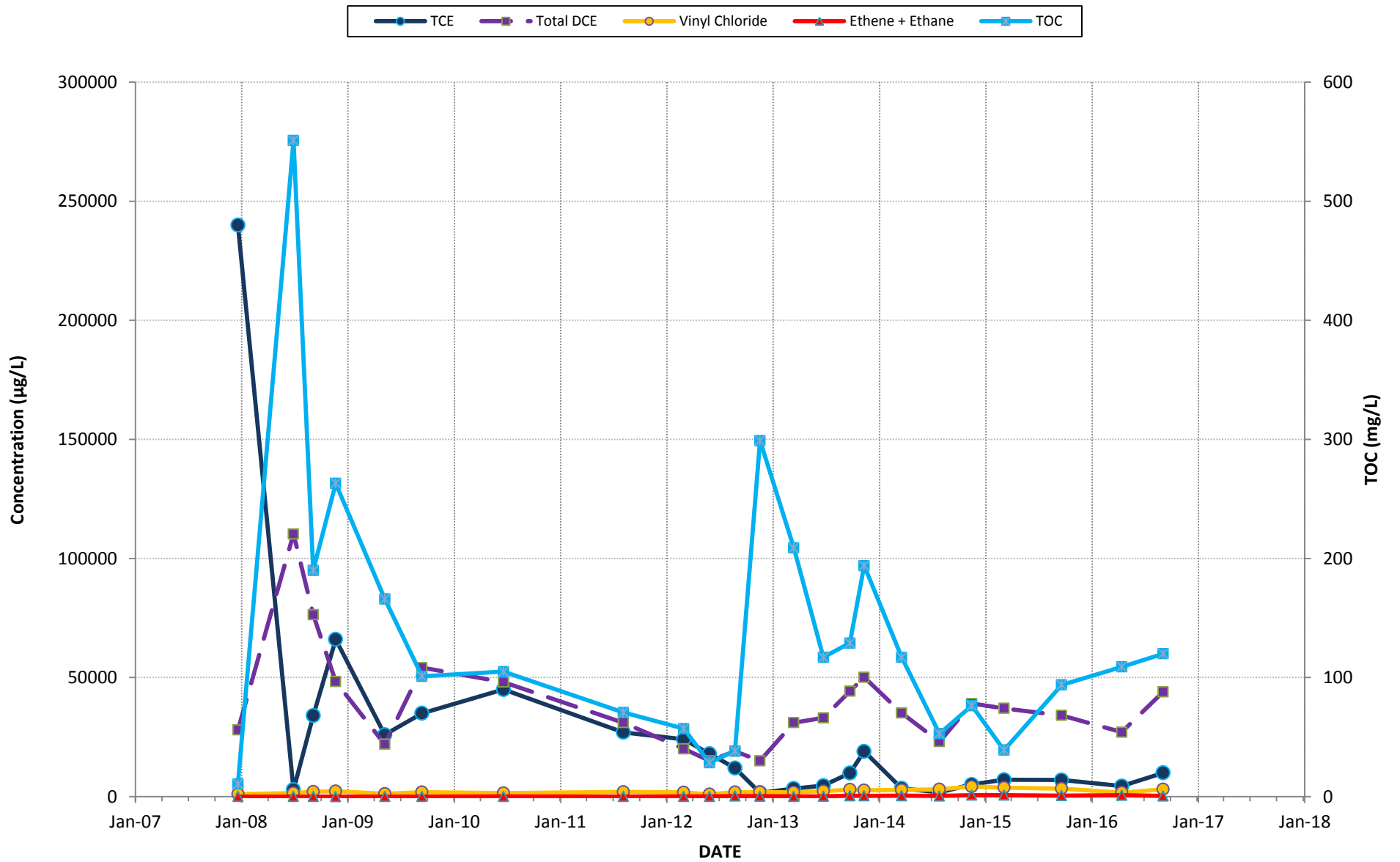
CONCENTRATIONS OF CHLOROETHENES PMW- 6S



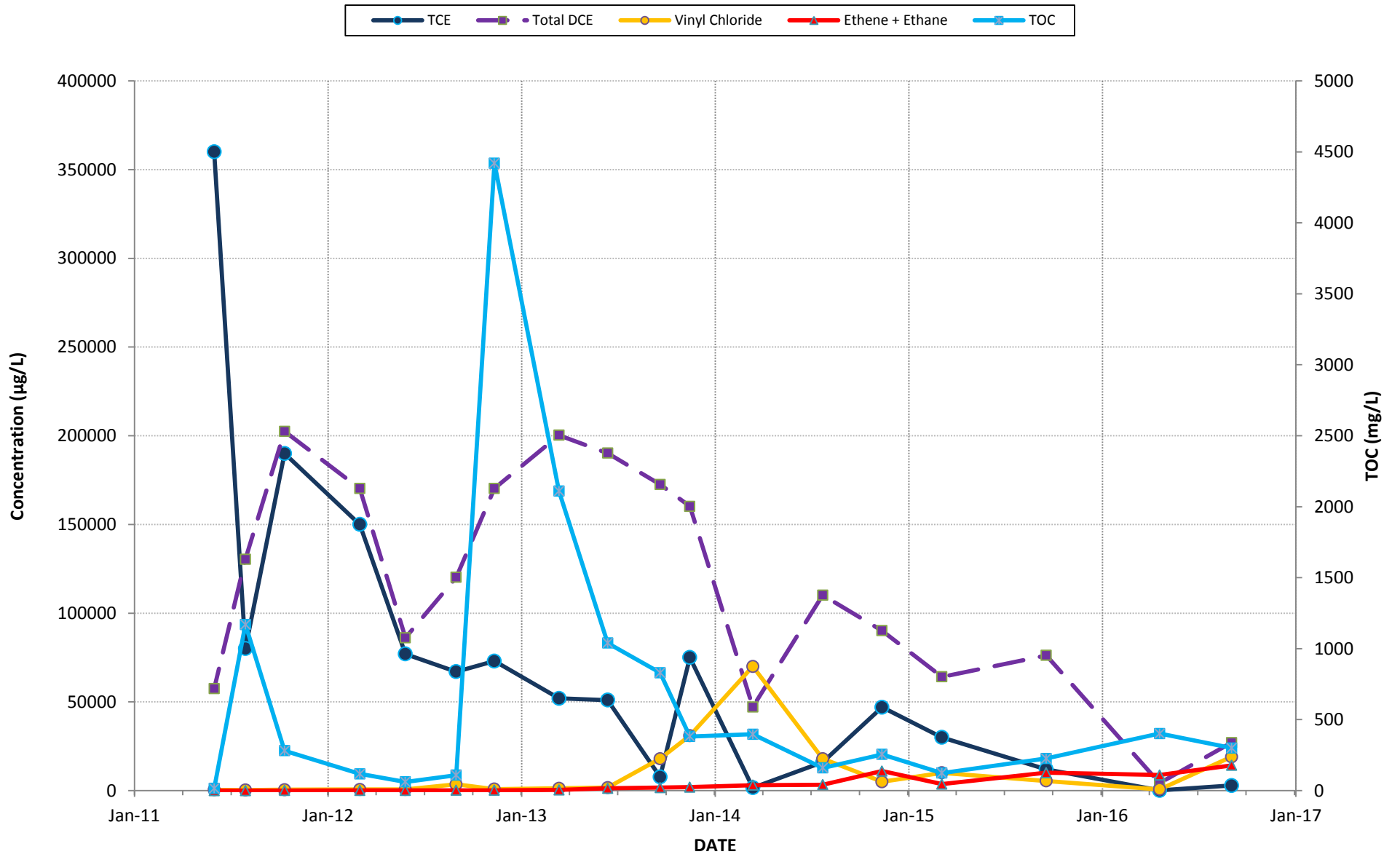
CONCENTRATIONS OF CHLOROETHENES PMW- 7S



CONCENTRATIONS OF CHLOROETHENES PMW- 8D

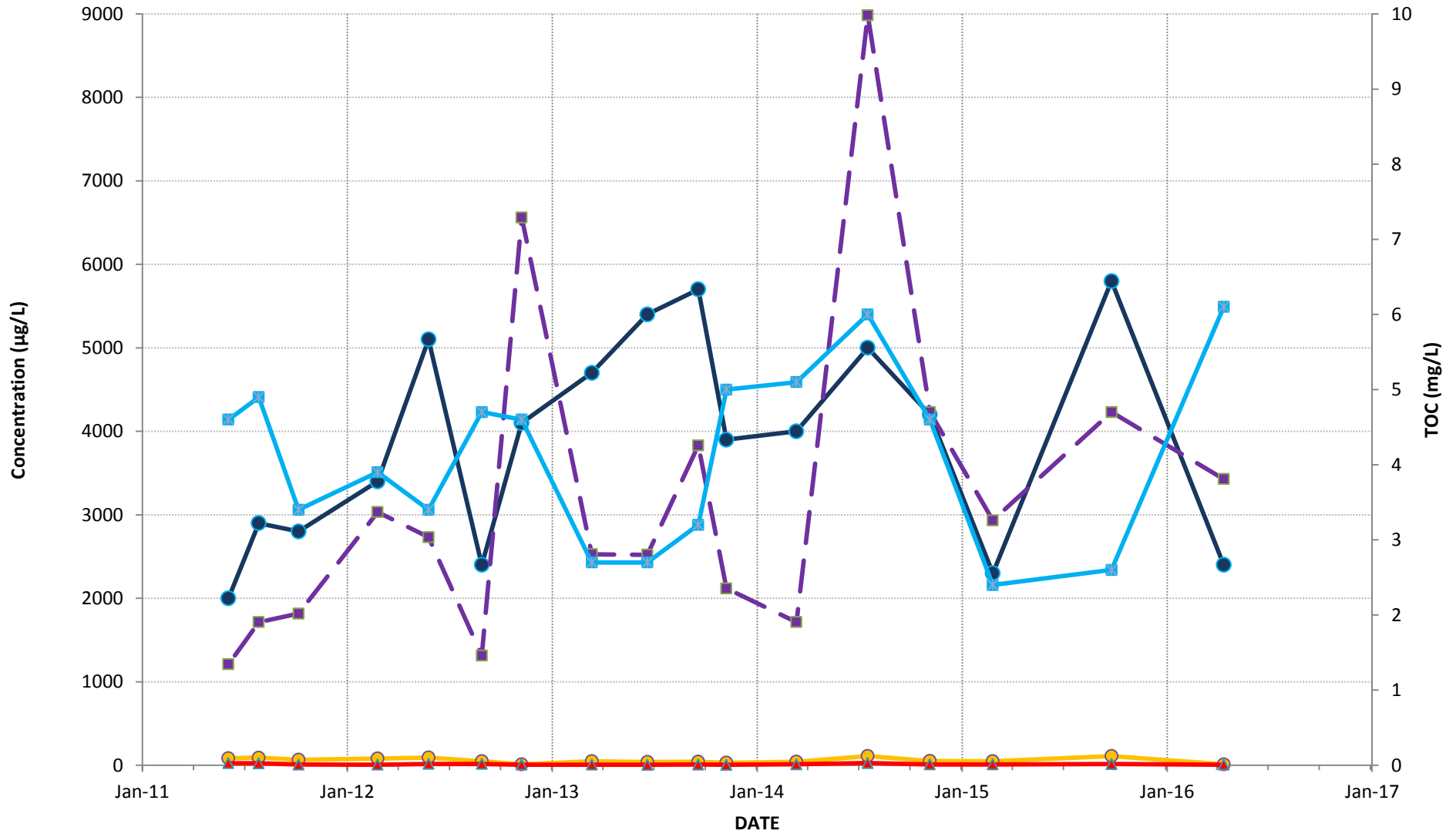


CONCENTRATIONS OF CHLOROETHENES PMW- 9D

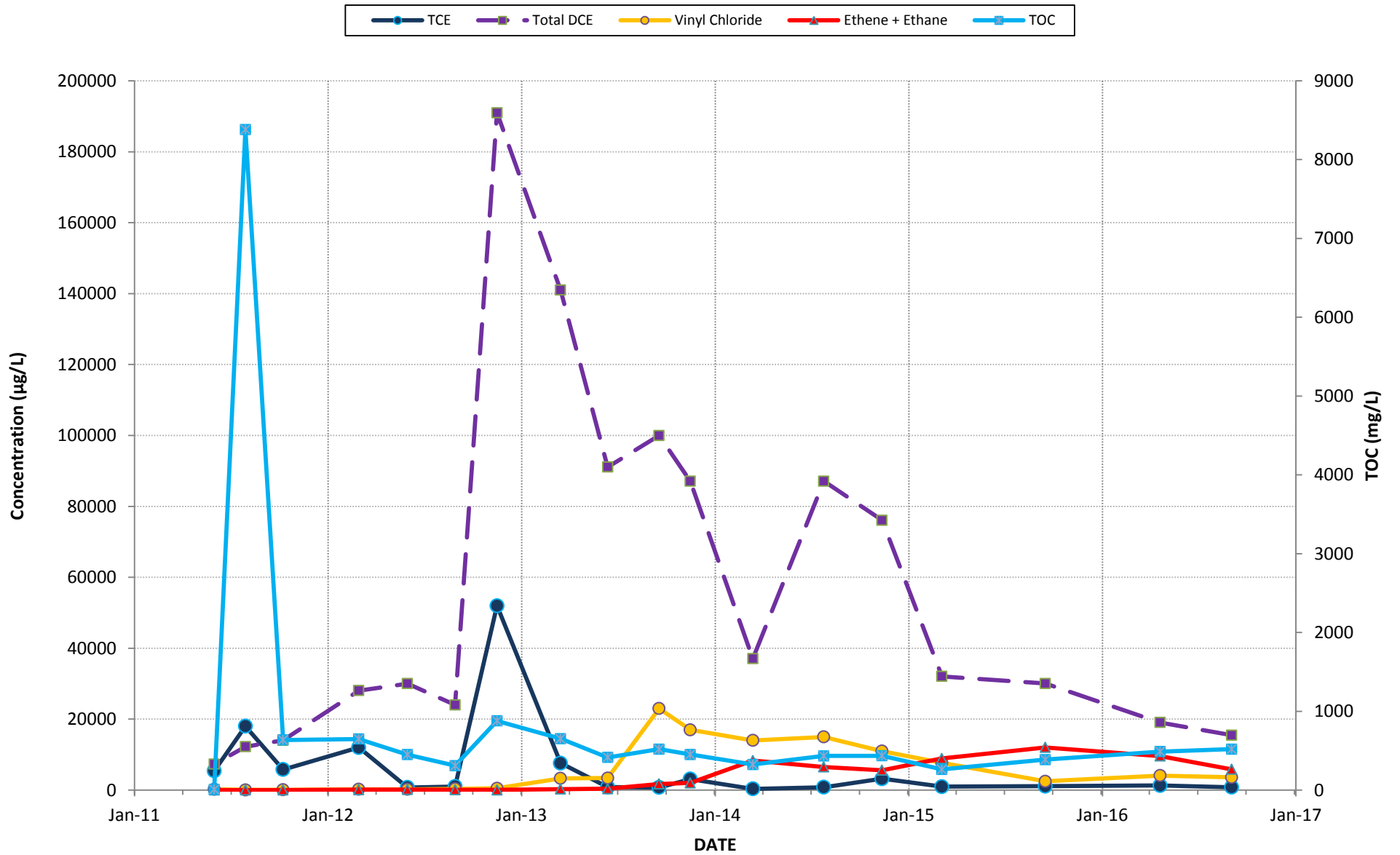


CONCENTRATIONS OF CHLOROETHENES PMW- 9S

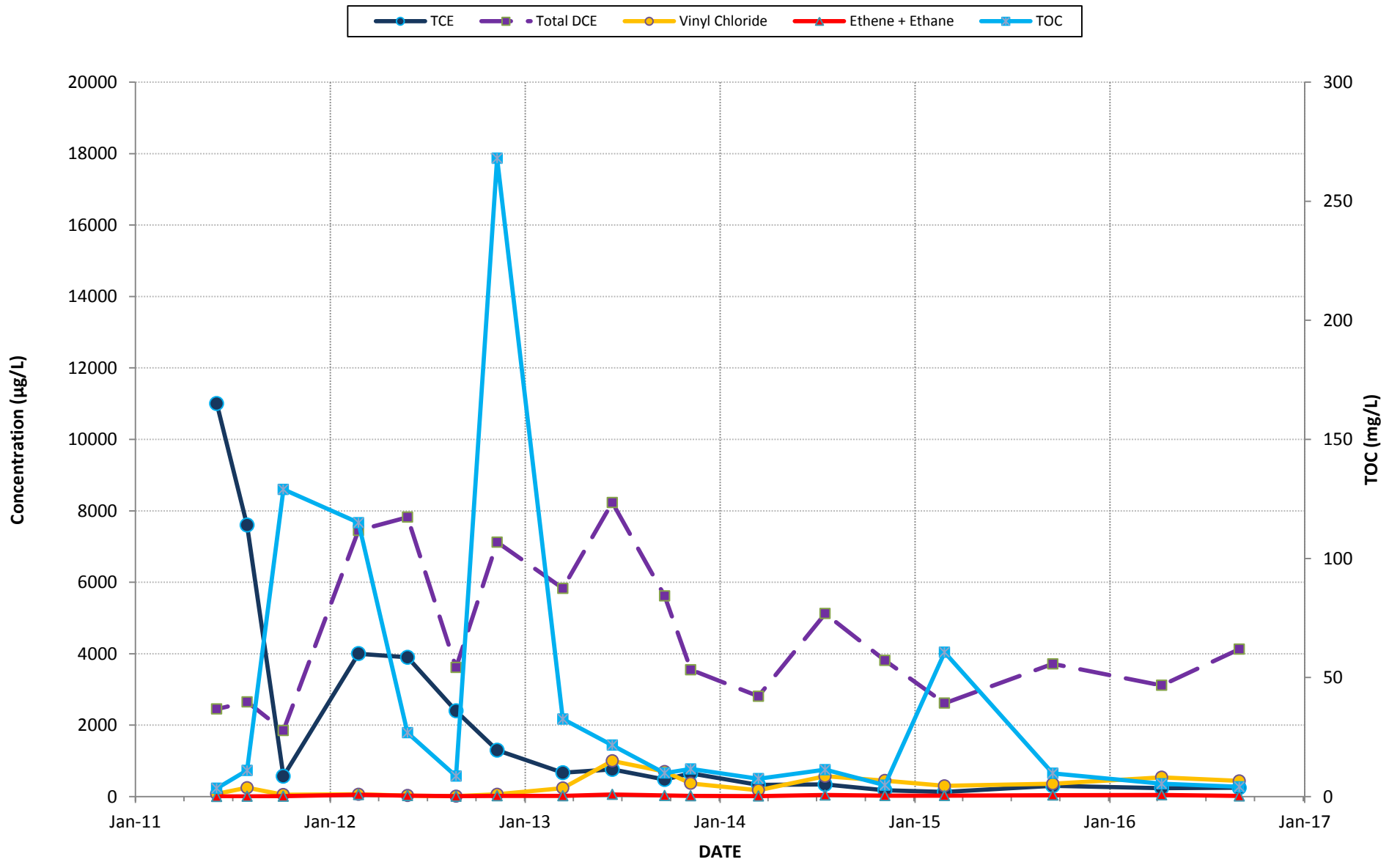
TCE Total DCE Vinyl Chloride Ethene + Ethane TOC



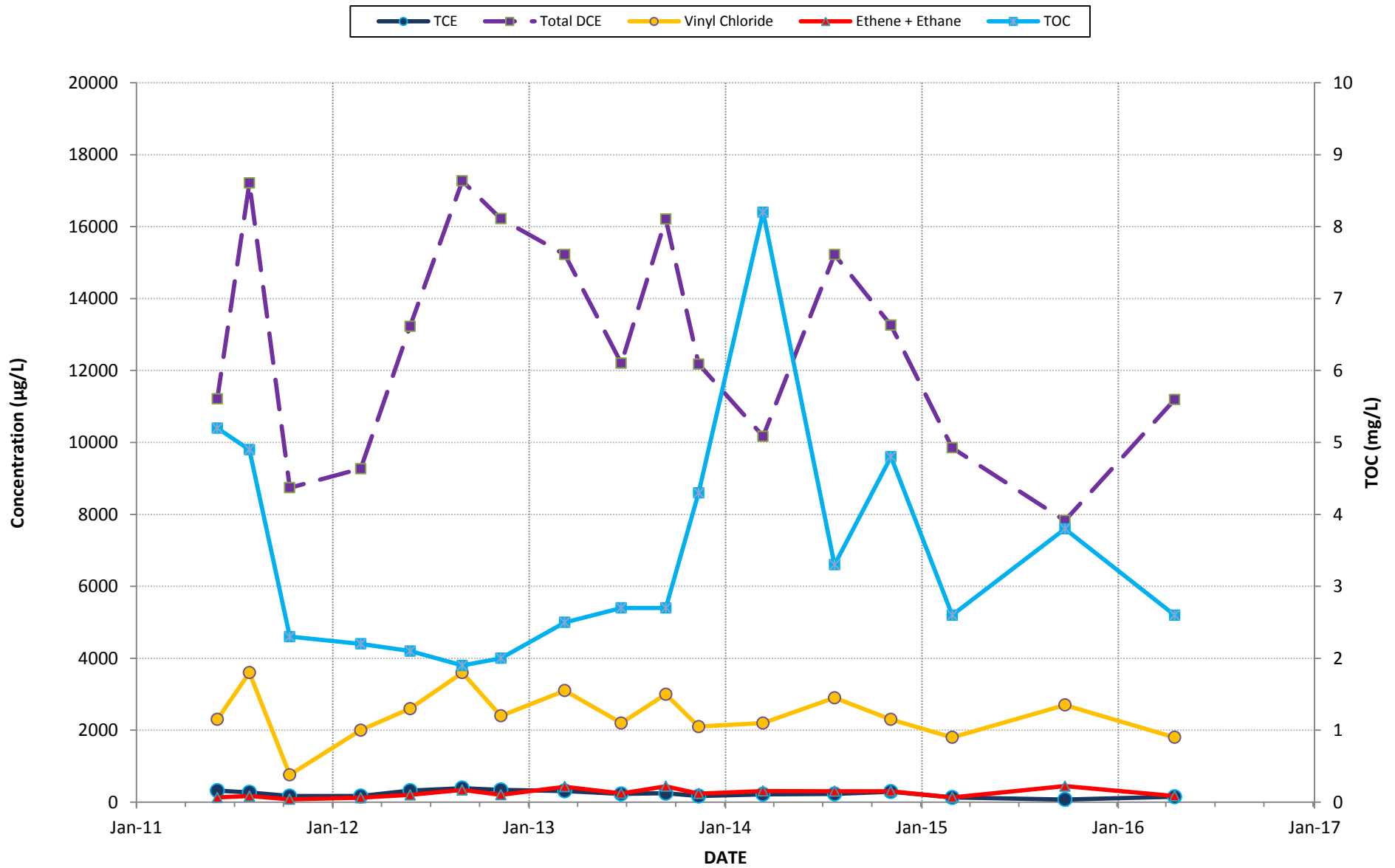
CONCENTRATIONS OF CHLOROETHENES PMW-10D



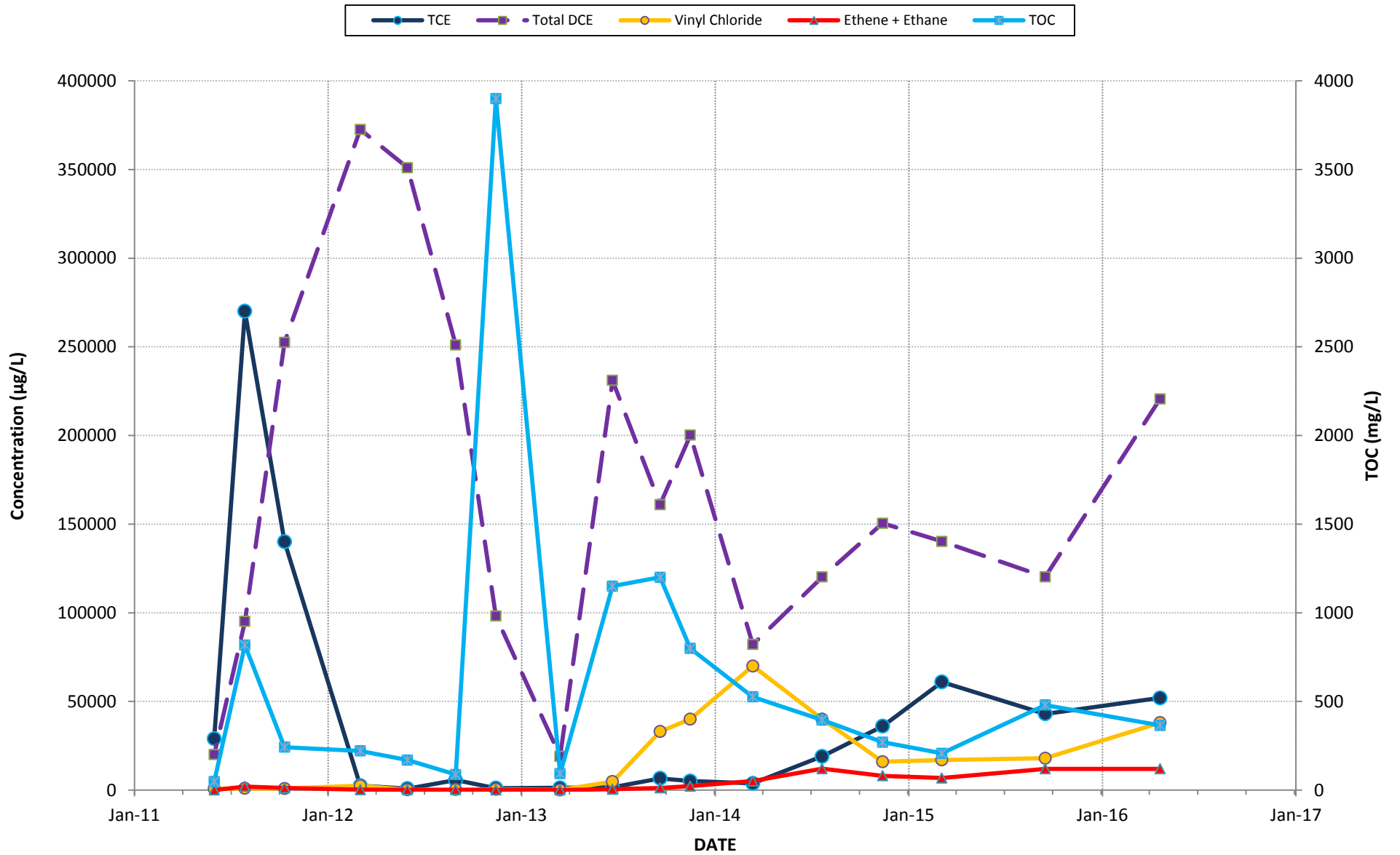
CONCENTRATIONS OF CHLOROETHENES PMW-11D



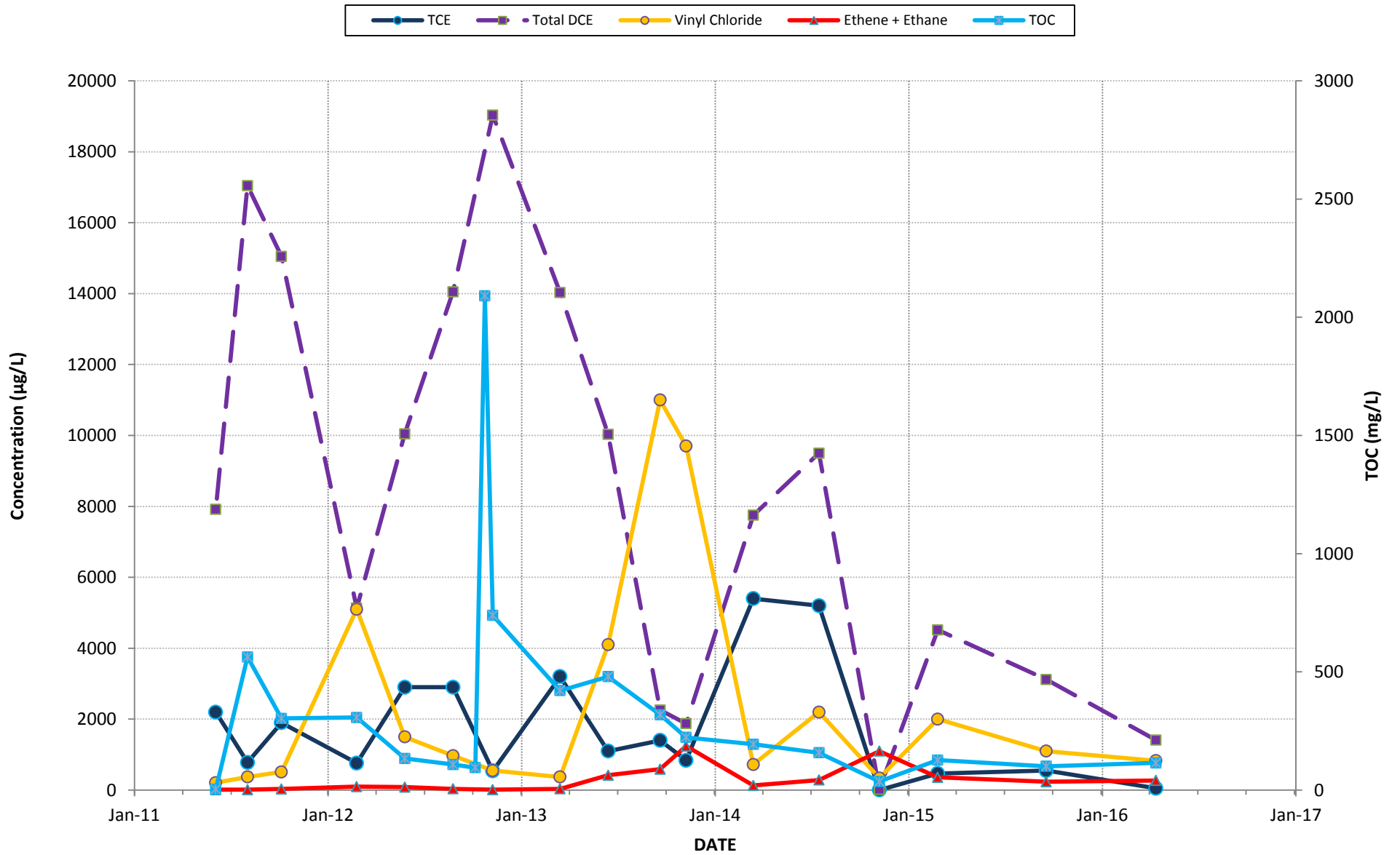
CONCENTRATIONS OF CHLOROETHENES PMW-11S



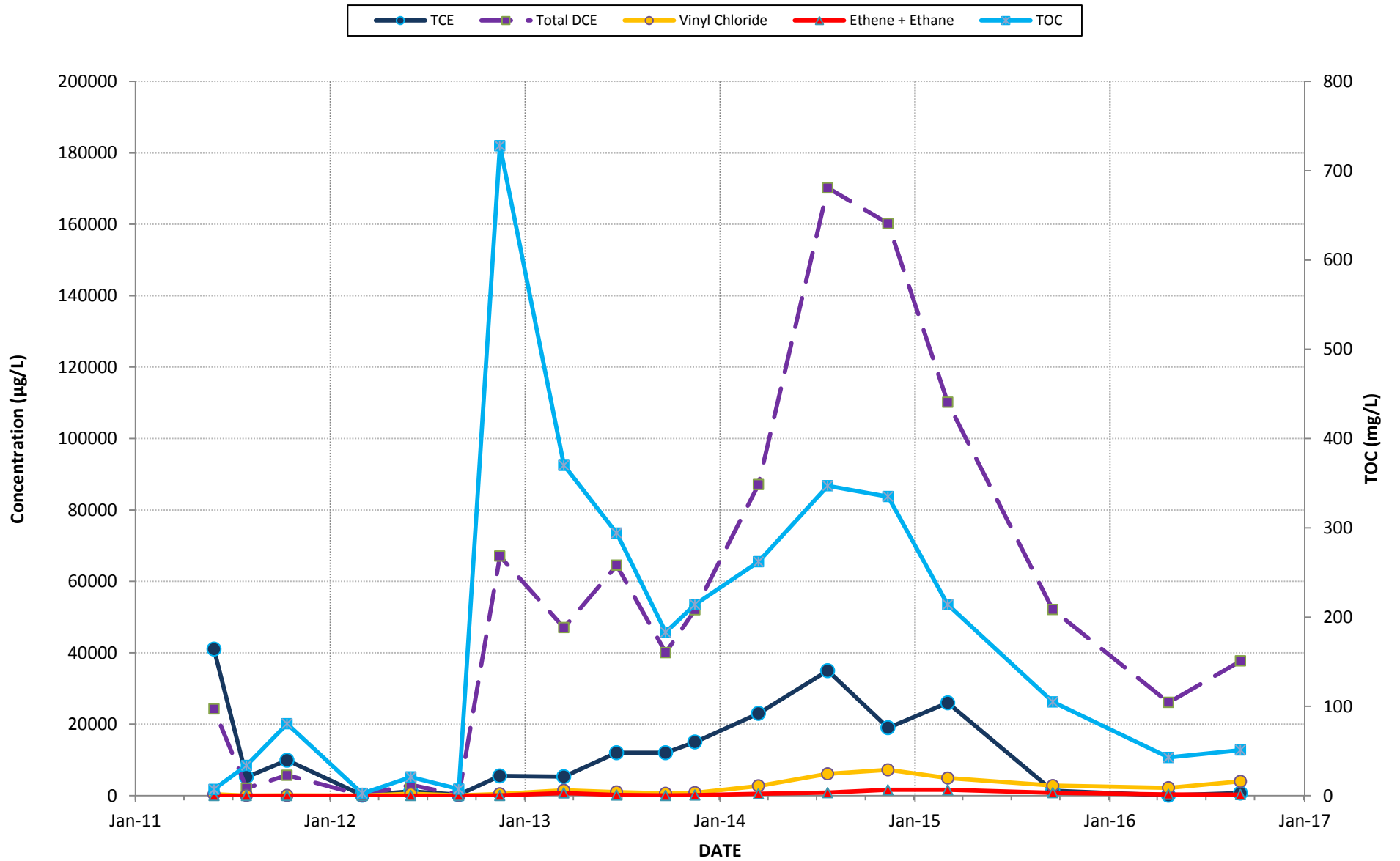
CONCENTRATIONS OF CHLOROETHENES PMW-12D



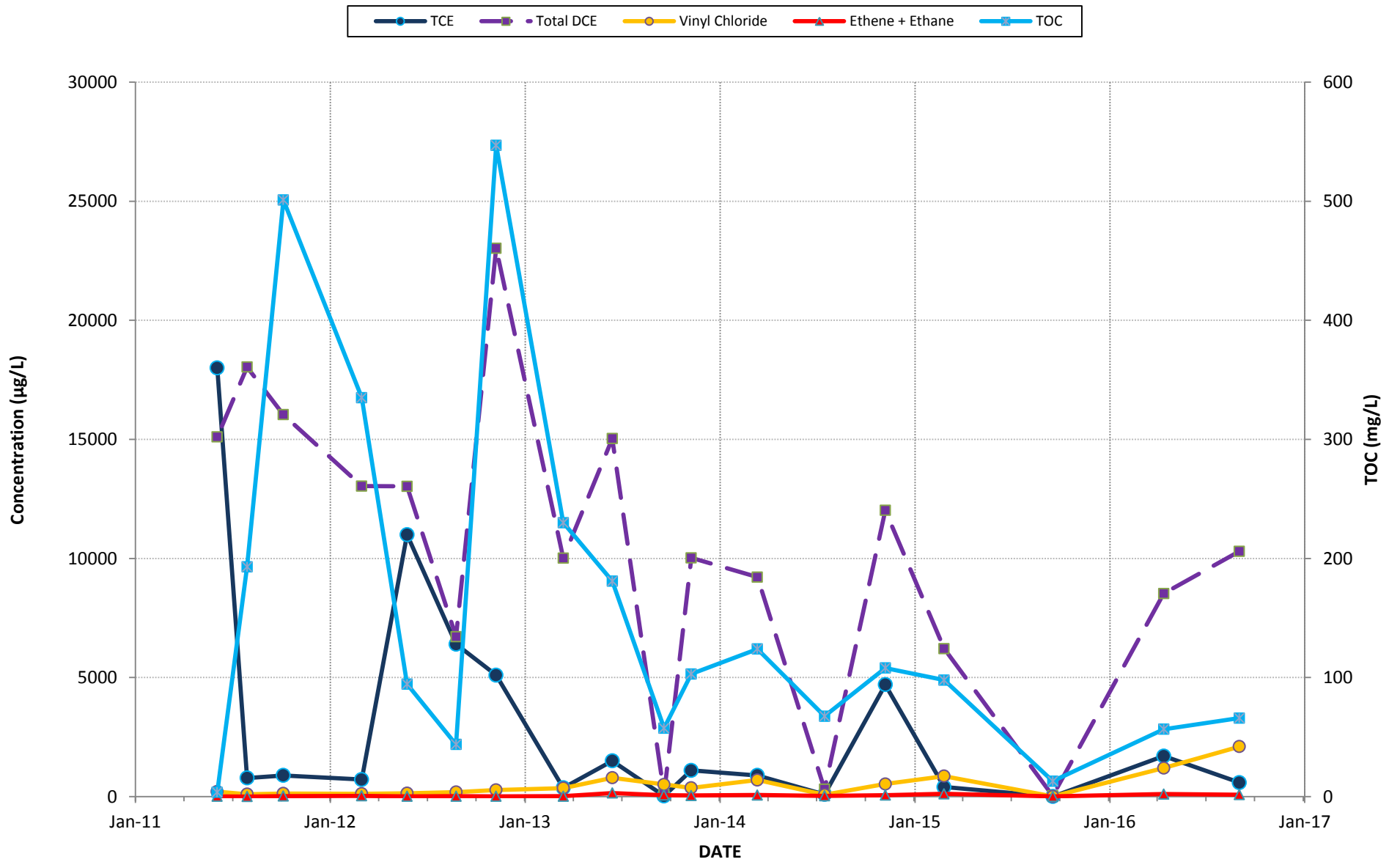
CONCENTRATIONS OF CHLOROETHENES PMW-15D



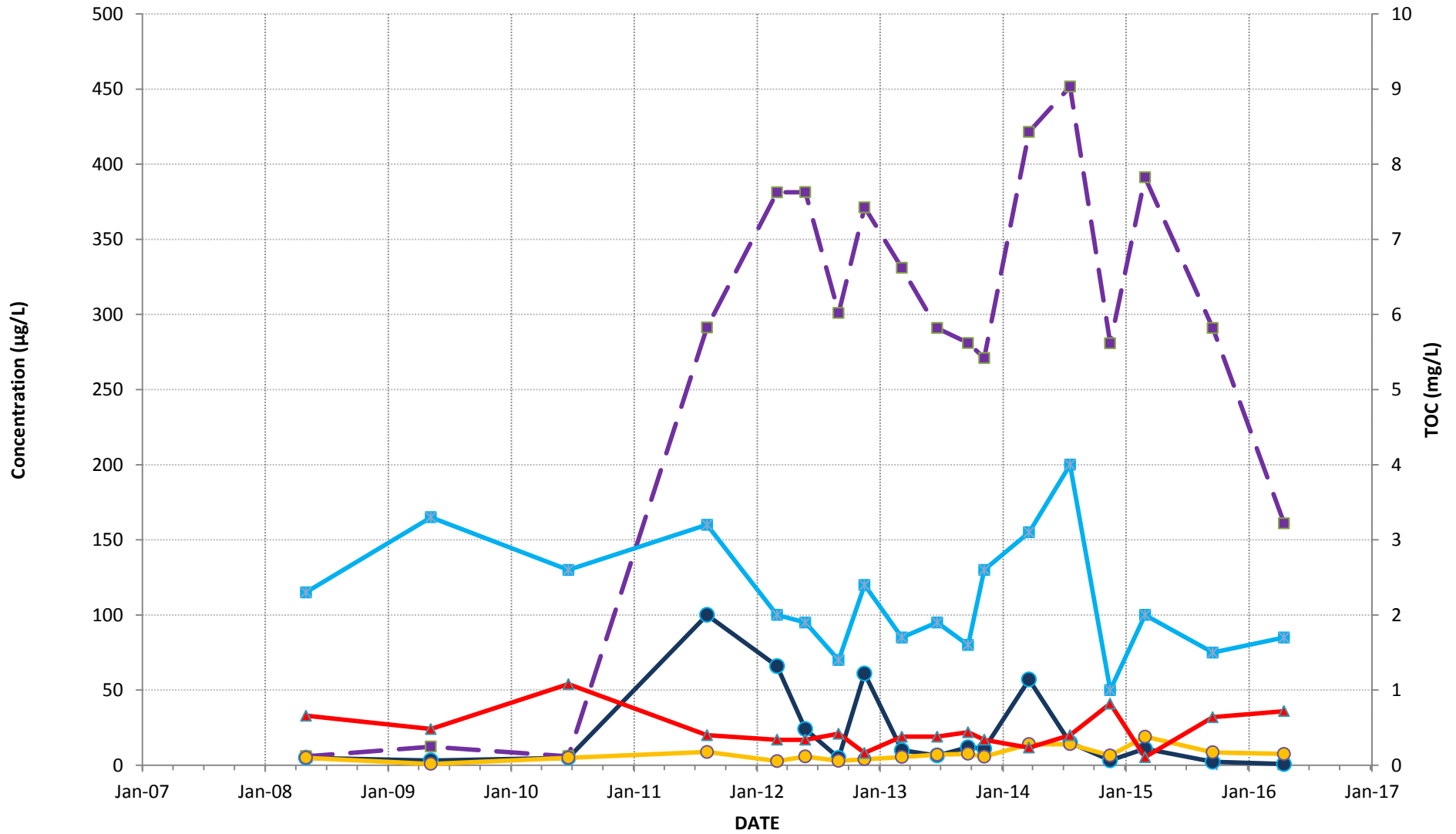
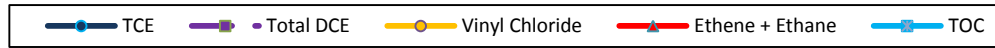
CONCENTRATIONS OF CHLOROETHENES PMW-16D



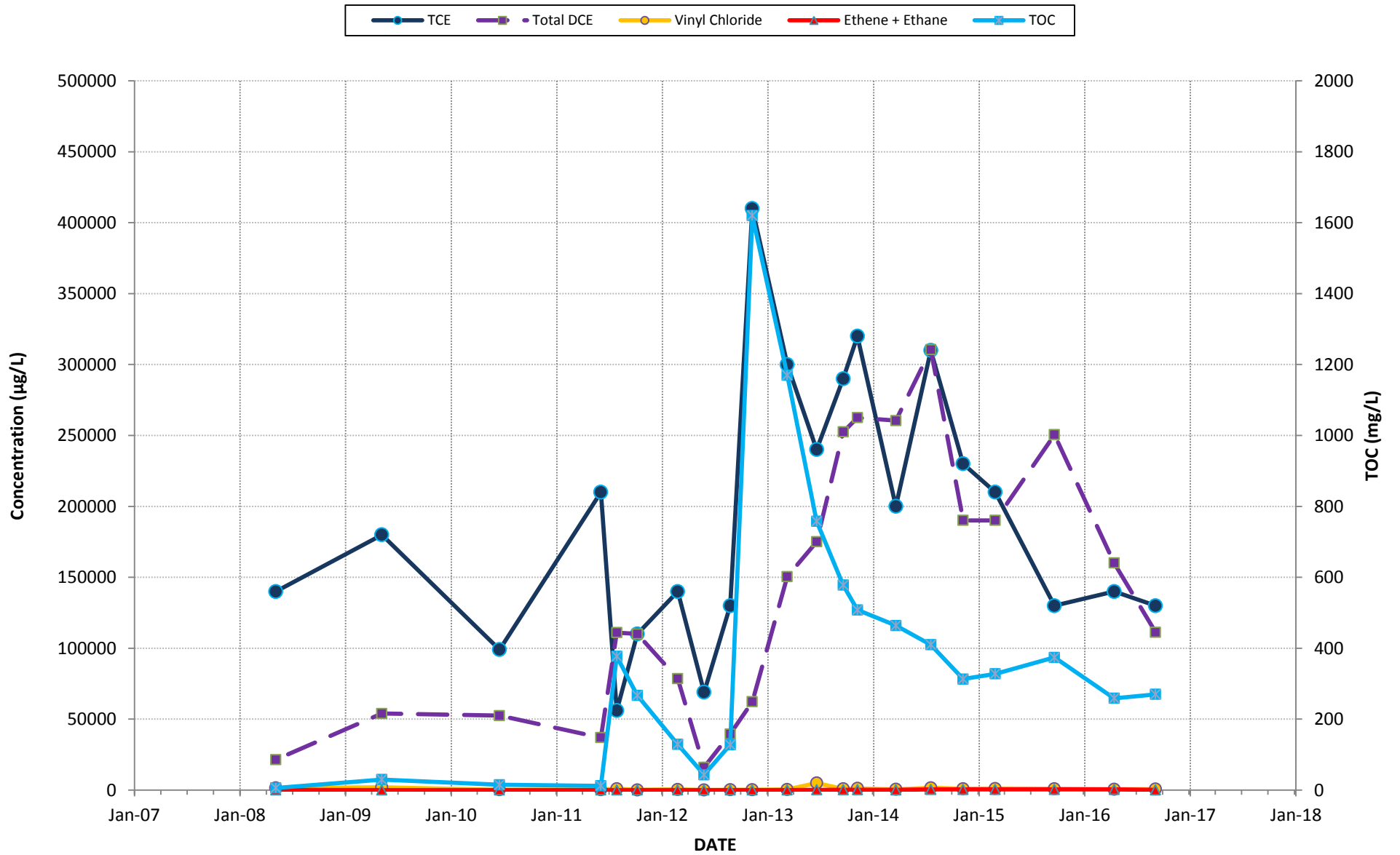
CONCENTRATIONS OF CHLOROETHENES PMW-17D



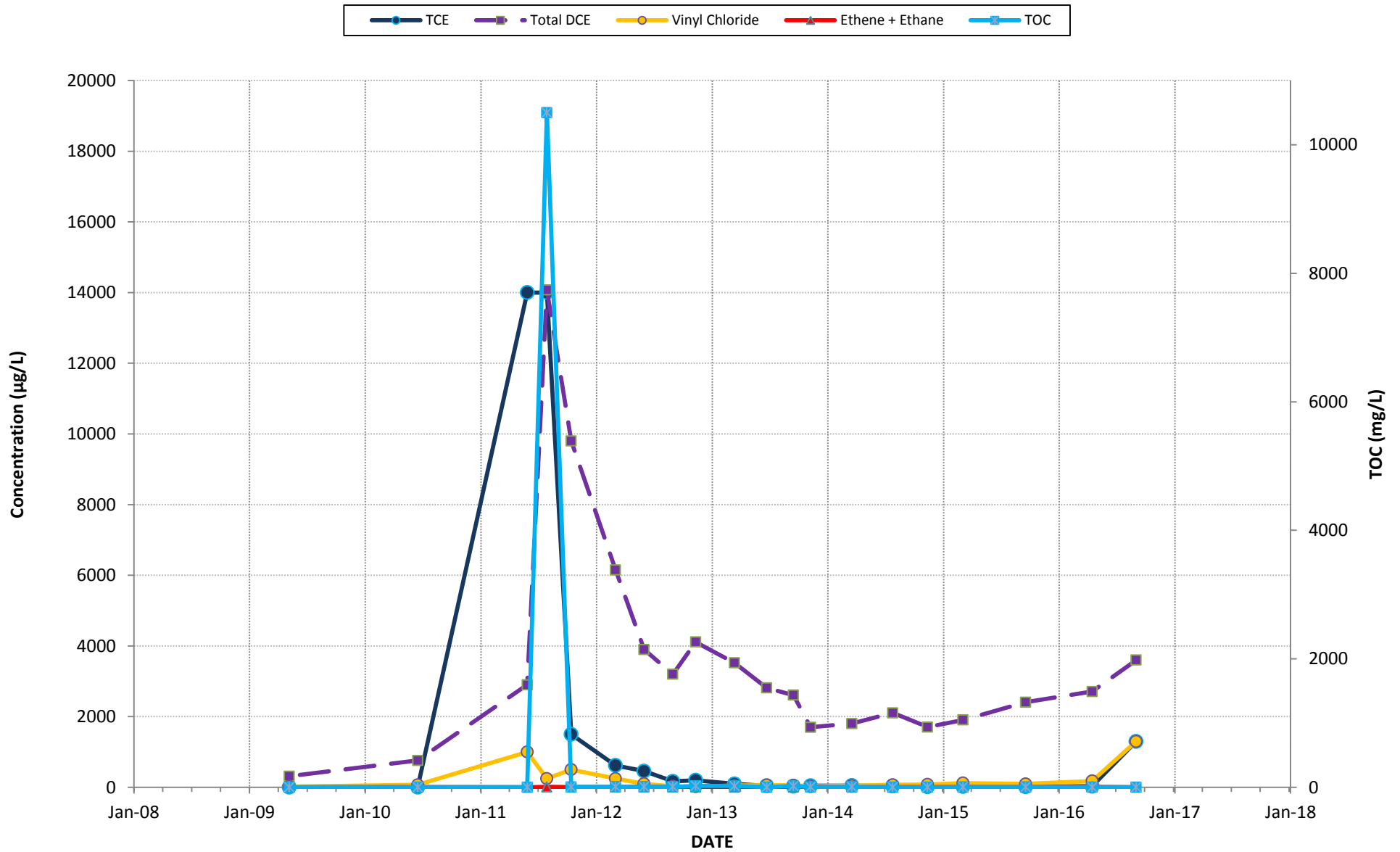
CONCENTRATIONS OF CHLOROETHENES RMW- 1D



CONCENTRATIONS OF CHLOROETHENES RMW- 2D



CONCENTRATIONS OF CHLOROETHENES RMW- 3D



CONCENTRATIONS OF CHLOROETHENES RMW- 4D

