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GROUNDWATER MONITORING REPORT

DairiConcepts Site

W888 Chili Road, Chili,
Clark County, Wisconsin

AET Project No. 03-05510
WDNR BRRTS No. 03-10-545212
PECFA No. 54420-9999-88

Date:

June 30, 2017

Prepared for:

Dairy Farmers of America
800 W. Tampa Street
Springfield, MO 65802





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June 30, 2017

Dairy Farmers of America
800 W. Tampa Street
Springfield, MO 65802

Attn: Ms. Stacy Doing
sdoing@dfamilk.com

RE: Groundwater Monitoring Report
DairiConcepts Site, W888 Chili Road, Chili, Clark County, Wisconsin.
WDNR BRRTS No. 03-10-545212. PECFA No. 54420-9999-88.
AET Project No. 03-05510.

Dear Ms. Doing:

American Engineering Testing, Inc. has completed Groundwater Monitoring services at the above-referenced property in Chili, Wisconsin. These services were performed in accordance with our approved proposal dated March 28, 2016. On your behalf, we are also forwarding the report to the Wisconsin Department of Natural Resources (WDNR) at this time for review.

We appreciate the opportunity to serve you on this project. If you have any questions regarding the information presented in this report, or if we can be of additional service, please contact me.

Sincerely,
American Engineering Testing, Inc.

A handwritten signature in blue ink that reads 'Michael K. Neal'.

Michael K. Neal, Professional Hydrologist
Geomorphologist

Phone: (715) 861-5045, Cellular Phone (715) 894-6455
E-mail: mneal@amengtest.com

cc: Gena Keenan, WDNR, 1300 W. Clairemont Avenue, Eau Claire, WI 54701

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**GROUNDWATER MONITORING REPORT
DAIRICONCEPTS SITE
CHILI, WISCONSIN**

AET PROJECT NO. 03-05510

EXECUTIVE SUMMARY

American Engineering Testing, Inc. (AET) was authorized by Dairy Farmers of America (DFA) to conduct Soil Remediation and Groundwater Monitoring activities for the DairyConcepts plant property located at W888 Chili Road, Chili, Clark County, Wisconsin (the Site). The Wisconsin Department of Natural Resources (WDNR) has directed DFA, the property owner, to investigate and remediate the Site. The responsible party letter was issued on April 4, 2006 after soil and groundwater contamination was encountered at the Site.

The results of our initial site investigation indicated that petroleum impacts to soil are present on the Site in the area of a previous petroleum underground storage tank (UST) system. Petroleum-contaminated soils that exceed the WDNR NR 720 soil to groundwater residual contaminant levels (RCLs) are present in the former tank bed. Soil contamination previously extended from five feet below ground surface (bgs) to the groundwater table (12-15 feet bgs) in an area approximately 110 feet east/west by 30 feet north/south.

AET observed the removal of approximately 1,203 tons of contaminated soil from the area of monitoring well MW-4 and the former tank bed. Excavation soil sampling in the source area indicates that most of the soil contaminated at levels above NR 720 soil to groundwater RCLs has been removed. The presence of an underground fiber optic cable near MW-3A prevented expansion of the excavation to the west. Soil contamination from approximately four to at least 15 feet bgs remains in the area of MW-3A and likely extends beneath the pavement of Chili Road and County Highway Y. In our opinion, remaining soil contamination at the Site is associated with the impacted groundwater smear zone.

Groundwater monitoring shows that petroleum constituents are present at concentrations exceeding NR 140 enforcement standards (ESs) in the source area and in the adjacent road right-of-ways in an area approximately 220 feet northwest-southeast and 125 feet wide. The extent of impact is defined by the lack of contamination in groundwater monitoring wells CMW-1, MW-4A, MW-7A, MW-W, MW-E, MW-6, MW-1A, MW-3, PZ-7, and MW-7. Petroleum constituent concentrations in the source wells are generally decreasing or stable over time, with the exception of methyl-tert-butyl ether (MTBE). No free product is present in any of the wells.

Based on these results, AET will continue to monitor the groundwater to evaluate the effects of soil remediation and the feasibility of natural attenuation as a remedial measure to attain Site closure.

1.0 INTRODUCTION

Dairy Farmers of America (DFA) authorized American Engineering Testing, Inc. (AET) to conduct soil remediation and groundwater monitoring activities on their plant property located at W888 Chili Road, Chili, Clark County, Wisconsin (the Site). **Figure 1** shows the Site location, and **Figure 2** shows the current Site layout.

Appendix A contains a list of the acronyms and abbreviations used in this report.

1.1 Purpose

We have completed the scope of services for this project as required by the Wisconsin Department of Natural Resources (WDNR). AET's services have been performed in accordance with generally accepted practices of the profession undertaken in similar studies at the same time and in the same geographical area, and for the following purposes:

- To collect three additional quarterly rounds of groundwater samples to evaluate the effect of soil remediation on groundwater quality, the stability of the groundwater contamination plume, and the feasibility of using natural attenuation as a closure option for the remaining residual contamination; and
- To evaluate the need for further site remediation and/or continued groundwater monitoring.

2.0 BACKGROUND

2.1 Site Description and Features

The address for the Site is W888 Chili Road, and it is located in the southwest quarter of the southwest quarter of Section 23, Township 25 North, Range 1 East, in unincorporated Chili, Town of Fremont, Clark County, Wisconsin. The Site is a 1.06-acre lot located on the east side of County Highway Y, north of Chili Road. The Site operated as a dairy and cheese factory until the 1980s. Currently, the Site is occupied by the DairiConcepts plant, which produces dry cheese products. The town of Chili is served by potable well water supply and municipal sewer system. The former petroleum underground storage tank (UST) system was used to fuel dairy fleet vehicles and was removed in the 1980s.

At present, neighboring property uses include County Highway Y and commercial property to the west, residential property to the north, Chili Road and residential properties to the south, and municipal property (tennis courts and baseball field) to the east.

2.2 Physical Setting

The Site is located in the Central Plain Physiographic Province of central Wisconsin. Fluvial and glacial processes have been an important geologic agent in determining the surface geology and physiography of the Site, and it is situated on alluvial and glacial deposits.

Soils encountered at the Site are primarily silts and clays from the surface to approximately 12 feet below ground surface (bgs). Bedrock was encountered in all of the soil borings, and the excavation completed at the Site, at approximately 12 feet bgs. Regionally, bedrock consists of Cambrian period sandstones with some dolomites and shales. Bedrock encountered beneath the Site consists of sandstone.

Depth to groundwater during the last three rounds of monitoring ranges from 3.5 to 12 feet bgs in the monitoring wells. Topography at the Site is relatively level. Groundwater elevation data collected from the monitoring wells suggests that the water table is relatively flat and that groundwater flow is controlled by the pumping of water from a potable supply well in the vicinity of the Site.

2.3 Previous Environmental Reports

Earth Tech completed a site investigation for the WDNR in response to petroleum detection in a residential potable well located at the former Krueger residence, W887 Chili Road (currently the DairiConcepts office) in the town of Chili. The results of the investigation were included in their reports of Project No. 82060 dated November 15, 2005 and March 2006. Refer to these reports for background and supplemental information. The site investigation was completed to gather sufficient subsurface information to assess permanent potable water supply well replacement options for the contaminated Krueger residential well and to confirm the source or sources of contamination that may have contributed to contamination of the residential well. The site investigation was completed from January 2004 to April 2006. The site investigation reports revealed the following:

- Subsurface materials consist of low-permeability sandy, silty clay from ground surface to approximately 10 to 16 feet bgs. Fractured sandstone bedrock of varying permeability underlies the clay to approximately 40 to 50 feet bgs. Granite bedrock underlies the sandstone.
- Soil and groundwater sampling confirmed three potential sources of petroleum contamination, including the former USTs located near the southwest corner of the DairiConcepts plant property, reported USTs in the area directly west of the Wolfe property garage, and the former UST located at the Chili Service garage.

- NR 140 enforcement standard (ES) exceedances for benzene, 1,2-dichloroethane (DCA), naphthalene, toluene, and trimethylbenzenes (TMBs) were detected in groundwater samples collected from monitoring wells within and directly downgradient of the identified sources.
- In July 2005, free product was observed in monitoring well MW-4 adjacent to the southwest corner of the DairiConcepts plant property.
- Measured groundwater elevations indicated that the water table in the vicinity of the investigation area is nearly flat, thus generating negligible hydraulic gradient to drive groundwater flow laterally. A possible slight east or southeast flow trend was inferred; however, groundwater flow direction determination was inconclusive. A downward vertical gradient was observed between wells MW-7 and PZ-7.
- Private potable well pumping likely has a significant effect on horizontal groundwater movement within the investigation area. Hydraulic stress, due to water withdrawal within the groundwater cone of depression generated by pumping, would tend to influence groundwater (and contaminant) flow in the vicinity of the potable wells, especially in the absence of significant natural flow.
- Soil gas survey and continued groundwater sampling confirmed contamination from the three previously identified potential sources of petroleum contamination: the former USTs located near the southwest corner of the DairiConcepts property, reported USTs in the area directly west of the Wolfe property garage, and the former UST located at the Chili Service garage.
- Based on the soil gas survey and groundwater sampling analytical results, any potable well replacement on the former Krueger residential property drawing water from the sandstone aquifer will be at risk of future impacts from past petroleum releases in the area. However, a potable well installed on the southeastern portion of that property and drawing from the underlying fractured granite bedrock would appear to have less risk of future petroleum impacts due to the increased distance of the well from the former UST locations and potential limitations on further downward vertical migration of petroleum contamination through the sandstone aquifer presented by the apparent hydraulic characteristics of the sandstone aquifer and the presence of clay at the sandstone/granite bedrock interface, which may form a semi-pervious barrier between the sandstone and the fractured granite bedrock.
- Based on Earth Tech's investigation, there was an indication that a release of petroleum to the environment had occurred from three separate UST systems. The WDNR issued

Responsible Party letters to DairiConcepts, Mr. Arnold Wolfe, and Chili Service Garage directing them to investigate and remediate their sites on April 4, 2006.

Tetra Tech completed a remedial investigation of the Site, and the results of the investigation are included in their reports of Project No. 1156332427 dated June 11, 2004 and February 11, 2009. Refer to these reports for background and supplemental information. The remedial investigation was completed to determine the degree and extent of soil contamination associated with the former UST system at the Site and to evaluate the potential for groundwater contamination. The remedial investigation reports revealed the following:

- The site investigation began in April 2006 and included the installation of ten soil borings and five groundwater monitoring wells. Five monitoring wells previously installed by Earth Tech were also used in the remedial investigation.
- Petroleum-contaminated soil is present on the Site in the area of the previous petroleum UST system and concentrations exceed the WDNR NR 720 generic residual contaminant levels (RCLs). Soil contamination extends from five feet bgs to the groundwater table (12-15 feet bgs) in an area approximately 110 feet east/west by 30 feet north/south. Soil contamination has affected groundwater quality in monitoring wells MW-3A and MW-4, located near the southwest corner of the Site.
- Active free product removal was conducted in wells MW-3A and MW-4. Product thickness ranging from 5 to 23 inches was observed during removal activities.
- Four quarterly rounds of groundwater sampling confirmed that petroleum-contaminated groundwater is present on the Site in the area of the previous petroleum UST system. Groundwater contamination extends off site to the west in the County Highway Y road right of way. Groundwater contamination exceeding the NR 140 ES is present within the sandstone bedrock and extends in a plume approximately 250 feet west-east by 100 feet wide surrounding monitoring wells MW-3A, MW-4, MW-4A, and MW-5A.
- A replacement potable well was installed at the former Krueger residence southeast of the Site. The well was constructed in the granite aquifer at a depth of 250 feet bgs.

AET completed additional remedial investigation activities on the Site, and the results of the additional investigation are included in our reports of Project No. 03-05510 dated July 11, 2013 and August 25, 2015. Refer to these reports for background and supplemental information. Continued remedial investigation was completed to determine the extent of groundwater contamination associated with the UST system and to evaluate the potential for groundwater remediation by natural attenuation. The remedial investigation reports revealed the following:

Groundwater Monitoring Report

DairiConcepts Site, Chili, WI

June 30, 2017

AET Report No. 03-05510

AMERICAN
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- Two additional groundwater monitoring wells, MW-6A and MW-7A were installed on the adjacent property to define the extent of groundwater contamination to the west. Five quarterly rounds of groundwater samples were collected from May 2010 to July 2015.
- Free product was not observed in wells MW-3A or MW-4.
- Groundwater contamination exceeding the NR 140 ES is present within the sandstone bedrock and extends in a plume approximately 250 feet west-east by 100 feet wide surrounding monitoring wells MW-3A, MW-4, MW-4A, and MW-5A. MW-6A and MW-7A define the western extent of the contaminant impacts.
- The WDNR requested soil excavation in the source area and continued groundwater monitoring to bring the Site to closure.

AET completed a soil remediation and groundwater monitoring report on the Site, and the results are included in our report of Project No. 03-05510 dated September 9, 2016. Refer to that report for background and supplemental information. The purpose of the remedial action was to remove petroleum-contaminated soil in the source area to reduce the potential for continued groundwater impact from the contamination associated with the former UST system. The soil remediation and groundwater monitoring report revealed the following:

- In June 2016, approximately 1,203 tons of contaminated soil were removed from the former tank bed area, resulting in the removal of most of the soil contaminated at levels above NR 720 soil to groundwater and non-industrial direct contact RCLs.
- Residual soil contamination exists from approximately four feet bgs to the groundwater table (10-15 feet bgs) in an area approximately 30 feet east/west by 45 feet north/south and likely extends beneath the County Highway Y and Chili Road pavement. Except in the limited area around monitoring well MW-3A, remaining soil contamination at the Site is associated with the impacted groundwater smear zone.
- Groundwater monitoring shows that petroleum constituents are present on and off site in the area that includes the previous petroleum UST system. Groundwater contamination extends in a plume approximately 400 feet by 150 feet surrounding monitoring wells MW-2A, MW-3A, MW-4R, MW-4A, MW-5A, MW-5, MW-W, and MW-10.
- Based on these results, AET recommended continued groundwater monitoring on a quarterly basis to determine a stable or decreasing contaminant plume.

3.0 GROUNDWATER MONITORING ACTIVITIES

3.1 Scope of Services

The scope of this remedial action was initially defined in an approved AET proposal agreement with DFA on March 28, 2016. The implemented scope of services included the following:

- Obtain approval of costs from the WDNR PECFA program for reimbursable expenses to complete the required remedial activities.
- Prepare and administer a site-specific safety plan.
- Collect three of eight quarterly rounds of groundwater samples from 18 groundwater monitoring wells (MW-1A, MW-2A, MW-3, MW-3A, MW-4A, MW-4R, MW-5, MW-5A, MW-6, MW-6A, MW-7, MW-7A, PZ-7, MW-9, MW-10, MW-E, MW-W, & CMW-1). Analyze each sample for petroleum volatile organic compounds (PVOCs), 1,2-DCA, and naphthalene using EPA Method SW8260B. During each sampling event, collect groundwater elevation measurements from all wells.
- Properly abandon monitoring well MW-2A which was damaged beyond repair during street paving operations in May 2017.
- Prepare a groundwater monitoring report to document groundwater sampling results. The report will include groundwater flow maps, updated tables, and updated concentration graphs.

3.2 Environmental Sampling Methods

AET conducted groundwater sampling using the methods described on the Environmental Sampling Methods pages in **Appendix B**.

AET collected three rounds of groundwater samples from 18 groundwater monitoring wells by purging each well and collecting a sample using a disposable bailer. Bailer contents were emptied into the appropriately preserved containers, and all samples were packed in a cooler and shipped with the chain of custody record.

AET submitted groundwater samples to Test America laboratory for chemical analyses. Groundwater samples were analyzed for PVOCs, 1,2-DCA, and/or naphthalene by their respective EPA GC methods. Samples were collected in accordance with AET's Quality Assurance/Quality Control (QA/QC) guidelines.

3.3 Reference Standards

For this report, we compare the analytical results to the baseline environmental regulatory standards in use by the WDNR. The reference standards are included in the results tables for comparison with assessment results. The media-specific standards are described below.

The following reference standards apply to potential contaminant exposures in groundwater:

- WAC NR 140 - Groundwater Quality Standards.

4.0 PROJECT RESULTS

4.1 Field Observations

On May 24, 2017 AET abandoned monitoring well MW-2A according to procedures outlined in Chapter NR 141.25 of the WAC following street paving operations that damaged the well beyond repair. A WDNR monitoring well abandonment form (Form 3300-005) is included in **Appendix C**.

Quarterly groundwater samples were collected on October 17, 2016, March 22, and June 1, 2017. Depth to groundwater was measured prior to purging and sampling each well. Depth to groundwater ranged from 3.5 to 11.5 feet bgs in the monitoring wells. Groundwater elevation data is summarized in **Table 1**. Free product was not observed in any of the wells during the sampling events.

4.2 Laboratory Analysis

Appendix D includes the laboratory analytical reports and chains-of-custody for this remedial action. Groundwater sample analytical results are summarized in **Table 2**.

4.2.1 Groundwater Analytical Results

The WDNR established groundwater preventive action limits (PALs) and ESs for selected compounds that are listed in WAC NR 140. If a contaminant concentration exceeds the PAL, the WDNR may require monitoring or additional investigation. If the concentration exceeds the ES, the WDNR may require monitoring or remediation.

The latest round of groundwater samples was collected on June 1, 2017 and contaminant concentrations exceeding ESs were detected in monitoring wells MW-3A, MW-4R, MW-5A, and MW-10.

Benzene concentrations above the ES of five parts per billion (ppb) were detected in monitoring wells MW-3A (3,200 ppb), MW-4R (780 ppb), MW-5A (16 ppb), and MW-10 (87 ppb). A 1,2-dibromoethane (EDB) concentration above the ES of 0.05 ppb was detected in monitoring well MW-3A at 45 ppb. A 1,2-dichloroethane (DCA) concentration above the ES of five ppb was detected in monitoring well MW-4R at 89 ppb. Ethylbenzene concentrations above the ES of 700 ppb were detected in monitoring wells MW-3A (1,600 ppb), MW-4R (1,400 ppb), and MW-10 (740 ppb). Methyl-tert-butylether (MTBE) concentrations above the ES of 60 ppb were detected in monitoring wells MW-5A (300 ppb) and MW-10 (2,100 ppb). Naphthalene concentrations above the ES of 100 ppb were detected in monitoring wells MW-3A (450 ppb), MW-4R (360 ppb), and MW-10 (360 ppb). Toluene concentrations above the ES of 800 ppb were detected in monitoring wells MW-3A (12,000 ppb), MW-4R (2,300 ppb), and MW-10 (890 ppb). Total TMB concentrations above the ES of 480 ppb were detected in monitoring wells MW-3A (2,430 ppb), MW-4R (1,770 ppb), and MW-10 (960 ppb). Total xylene concentrations above the ES of 2,000 ppb were detected in monitoring wells MW-3A (8,100 ppb) and MW-4R (4,800 ppb).

Several PVOCs, 1,2-DCA, or naphthalene were detected in monitoring wells MW-4A, MW-5A, MW-7, MW-10 at concentrations above their respective PALs.

No PVOCs, 1,2-DCA, or naphthalene were detected in wells MW-W, MW-E, or CMW-1 at concentrations exceeding laboratory detection limits. Groundwater analytical results and groundwater elevation data are summarized in **Tables 1 and 2**, and depicted in **Figures 3,4, and 5**.

5.0 DISCUSSION AND OPINIONS

5.1 Soil Contamination Conditions

Petroleum-contaminated soil that exceeds the WDNR NR 720 soil to groundwater RCLs remains in the Chili Road and County Highway Y road right-of-ways in the area of monitoring well MW-3A. Remaining soil contamination extends from approximately four feet bgs to the groundwater table (10-15 feet bgs) in an area approximately 30 feet east/west by 45 feet north/south and likely extends beneath the County Highway Y and Chili Road pavement.

Petroleum-contaminated soil remains on the Site in the area of the previous petroleum UST system. Post remedial soil samples that exceed the WDNR NR 720 soil to groundwater RCLs were collected below the groundwater table and within the sandstone bedrock. Except in the limited area around monitoring well MW-3A, remaining soil contamination at the Site appears to be associated with the impacted groundwater smear zone.

5.2 Groundwater Contamination Conditions

Petroleum-contaminated groundwater is present on the Site in the area that includes the previous petroleum UST system. Groundwater contamination extends in a plume approximately 220 feet by 125 feet surrounding monitoring wells MW-3A, MW-4R, MW-5A, and MW-10.

Measured groundwater elevations from June 2017 indicated that the water table is nearly flat with a minimal hydraulic gradient. A possible east or west flow trend away from the Site was inferred during this round of sampling. A downward vertical gradient was observed between wells MW-7/PZ-7 and MW-E/MW-W. The extent of groundwater contamination and elevation data are depicted on **Figures 3, 4, and 5**.

We calculated the stability of the groundwater plume at MW-3A, MW-4R, MW-5A, and MW-10 using line graphs showing the concentration trends over time for various petroleum constituents. The line graphs were used to determine trends in the groundwater quality in these wells and the relationship to water table elevation. Petroleum constituent concentrations in the source wells show great variability over time. However, the concentrations generally exhibit a decreasing to stable trend over time with no free product present since 2014. MTBE shows an increasing trend in wells MW-5A and MW-10. There does not appear to be a direct correlation between groundwater elevation and contaminant concentrations. **Appendix E** includes concentration verses time graphs to illustrate these trends.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Soil sampling results obtained during the source removal has indicated that most of the soil contaminated at levels above NR 720 soil to groundwater RCLs has been removed. Soil contamination from approximately four to at least 15 feet bgs remains in the area of MW-3A and likely extends beneath the pavement of Chili Road and County Highway Y. In our opinion, remaining soil contamination at the Site is associated with the impacted groundwater smear zone.

Groundwater monitoring shows that petroleum constituents remain on and off-site at concentrations exceeding the NR 140 ES. Based on the sampling results, AET will continue to monitor the groundwater on a quarterly basis to evaluate the effects of soil remediation and whether a downward trend in groundwater contaminant concentrations has been established to indicate the feasibility of natural attenuation as a remedial measure to attain Site closure.

7.0 REPORT CLOSURE

7.1 Standard of Care

This remediation has been conducted under the supervision of an Environmental Professional and for the objectives described in the Purpose section of this report. AET's findings, opinions, conclusions, and recommendations are based on the Scope of Services defined in this report.

AET has endeavored to perform services for this project in a manner consistent with the level of skill and care ordinarily exercised by other members of the profession currently practicing in this area, under similar budgetary and time constraints. No warranty, express or implied, is made.

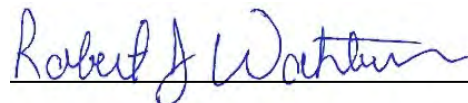
This report is based on our current understanding of the project and conditions at the Site. If conditions differing from our original understanding or findings are identified, AET should be consulted to determine if there are material impacts on our conclusions or recommendations.

Report Prepared By:



Michael K. Neal
Professional Hydrologist/Geomorphologist

Report Reviewed By:



Robert J. Wahlstrom, PE, PG
Principal Engineer/Geologist

"I, Michael K. Neal, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Tables

TABLE 1 (page 1 of 5)

GROUNDWATER ELEVATIONS

DAIRICONCEPTS SITE, CHILI, WISCONSIN

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
MW-1A	August 9, 2006	20.00	1234.83	13.60	1221.23
	April 12, 2007		1235.38	12.90	1221.93
	November 16, 2007		10.50	1224.33	
	October 17, 2008		14.10	1220.73	
	May 20, 2010		11.90	1222.93	
	November 29, 2012		14.00	1220.83	
	April 30, 2013		9.95	1224.88	
	April 27, 2015		9.45	1225.38	
	July 7, 2015		9.65	1225.18	
	July 11, 2016		10.07	1225.31	
	October 17, 2016		7.59	1227.79	
	March 22, 2017		8.71	1226.67	
	June 1, 2017		7.94	1227.44	
MW-2A	August 9, 2006	20.00	1235.38	14.10	1221.28
	April 12, 2007			14.00	1221.38
	November 16, 2007			11.00	1224.38
	October 17, 2008			14.55	1220.83
	May 20, 2010			12.35	1223.03
	November 29, 2012			14.40	1220.98
	April 30, 2013			10.40	1224.98
	April 27, 2015			9.65	1225.73
	July 7, 2015			9.85	1225.53
	July 11, 2016			10.36	1225.02
	October 17, 2016			7.99	1227.39
	March 22, 2017			8.98	1226.40
	May 24, 2017			8.51	1226.87
MW-3	January 21, 2005	21.10	1233.54	12.99	1220.55
	January 27, 2005			13.29	1220.25
	June 21, 2005			10.04	1223.50
	July 21, 2005			11.40	1222.14
	January 23, 2006			12.95	1220.59
	August 9, 2006			12.45	1221.09
	April 12, 2007			11.65	1221.89
	November 16, 2007			9.10	1224.44
	October 17, 2008			12.80	1220.74
	May 20, 2010			10.50	1223.04
	November 29, 2012			12.55	1220.99
	April 30, 2013			8.40	1225.14
	April 27, 2015			7.80	1225.74
	July 7, 2015			8.00	1225.54
	July 11, 2016			8.54	1225.00
	October 17, 2016			6.08	1227.46
	March 22, 2017			7.15	1226.39
June 1, 2017	6.35	1227.19			

TABLE 1 (page 2 of 5)

GROUNDWATER ELEVATIONS

DAIRICONCEPTS SITE, CHILI, WISCONSIN

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
MW-3A	August 9, 2006	20.00	1235.89	13.60	1222.29
	April 12, 2007			13.70	1222.19
	November 16, 2007			10.75	1225.14
	October 17, 2008			14.50	1221.39
	May 20, 2010			11.70	1224.19
	November 29, 2012			14.20	1221.69
	April 30, 2013			10.10	1225.79
	April 27, 2015			8.70	1227.19
	July 7, 2015			8.70	1227.19
	July 11, 2016			8.55	1227.34
	October 17, 2016			7.23	1228.66
	March 22, 2017			7.82	1228.07
June 1, 2017	7.50	1228.39			
MW-4	January 21, 2005	21.20	1235.80	15.15	1220.65
	January 27, 2005			15.50	1220.30
	June 21, 2005			12.26	1223.54
	April 12, 2007			13.90	1221.90
	November 16, 2007			11.30	1224.50
	October 17, 2008			14.70	1221.10
	May 20, 2010			12.20	1223.60
	November 29, 2012			14.60	1221.20
	April 30, 2013			9.50	1226.30
	April 27, 2015			8.35	1227.45
	July 7, 2015			9.65	1226.15
MW-4R	July 11, 2016	20.00	1236.65	11.06	1225.59
	October 17, 2016		1236.83	9.09	1227.74
	March 22, 2017		10.01	1226.82	
	June 1, 2017		9.23	1227.60	
MW-4A	November 16, 2007	18.00	1235.58	10.75	1224.83
	October 17, 2008			13.35	1222.23
	May 20, 2010			12.20	1223.38
	November 29, 2012			14.40	1221.18
	April 30, 2013			10.70	1224.88
	April 27, 2015			9.60	1225.98
	July 7, 2015			9.65	1225.93
	July 11, 2016			10.15	1225.43
	October 17, 2016			7.68	1227.90
	March 22, 2017			8.78	1226.80
June 1, 2017	7.83	1227.75			

TABLE 1 (page 3 of 5)
GROUNDWATER ELEVATIONS
DAIRICONCEPTS SITE, CHILI, WISCONSIN

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
MW-5	April 29, 2005	21.70	1238.67	15.81	1222.86
	June 21, 2005			14.97	1223.70
	July 21, 2005			16.26	1222.41
	January 23, 2006			17.90	1220.77
	July 7, 2015			11.50	1227.17
	July 11, 2016			11.78	1226.89
	October 17, 2016			9.96	1228.71
	March 22, 2017			10.35	1228.32
	June 1, 2017			10.18	1228.49
MW-5A	November 16, 2007	18.00	1236.41	10.85	1225.56
	October 17, 2008			14.40	1222.01
	May 20, 2010			11.60	1224.81
	November 29, 2012			13.50	1222.91
	April 30, 2013			10.10	1226.31
	April 27, 2015			9.20	1227.21
	July 7, 2015			8.80	1227.61
	July 11, 2016			8.95	1227.46
	October 17, 2016			7.60	1228.81
	March 22, 2017			8.71	1227.70
	June 1, 2017			7.65	1228.76
MW-6	April 29, 2005	21.10	1236.90	14.72	1222.18
	June 21, 2005			13.32	1223.58
	July 21, 2005			14.60	1222.30
	January 23, 2006			16.30	1220.60
	November 29, 2012			15.80	1221.10
	April 30, 2013			11.80	1225.10
	April 27, 2015			11.00	1225.90
	July 7, 2015			11.20	1225.70
	July 11, 2016			11.70	1225.20
	October 17, 2016			9.24	1227.66
	March 22, 2017			10.29	1226.61
	June 1, 2017			9.52	1227.38
MW-6A	July 7, 2015	15.00	1236.27	9.50	1226.77
	July 11, 2016			9.83	1226.44
	October 17, 2016			7.55	1228.72
	March 22, 2017			8.63	1227.64
	June 1, 2017			9.52	1226.75

TABLE 1 (page 4 of 5)

GROUNDWATER ELEVATIONS

DAIRICONCEPTS SITE, CHILI, WISCONSIN

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
MW-7	April 29, 2005	19.80	1233.49	9.51	1223.98
	June 21, 2005			9.75	1223.74
	July 21, 2005			11.17	1222.32
	January 23, 2006			12.69	1220.80
	August 9, 2006			12.20	1221.29
	April 12, 2007			11.40	1222.09
	November 16, 2007			8.95	1224.54
	October 17, 2008			12.50	1220.99
	May 20, 2010			10.00	1223.49
	November 29, 2012			12.10	1221.39
	April 30, 2013			8.00	1225.49
	April 27, 2015			7.20	1226.29
	July 7, 2015			7.65	1225.84
	July 11, 2016			8.09	1225.40
	October 17, 2016			5.76	1227.73
	March 22, 2017			6.71	1226.78
June 1, 2017	5.89	1227.60			
MW-7A	July 7, 2015	15.00	1234.37	8.40	1225.97
	July 11, 2016			8.62	1225.75
	October 17, 2016			6.11	1228.26
	March 22, 2017			7.11	1227.26
	June 1, 2017			6.18	1228.19
PZ-7	April 29, 2005	46.30	1233.59	15.60	1217.99
	June 21, 2005			13.54	1220.05
	July 21, 2005			13.81	1219.78
	January 23, 2006			15.98	1217.61
	August 9, 2006			14.96	1218.63
	April 12, 2007			13.25	1220.34
	November 16, 2007			11.65	1221.94
	October 17, 2008			15.10	1218.49
	May 20, 2010			12.75	1220.84
	November 29, 2012			14.45	1219.14
	April 30, 2013			10.45	1223.14
	April 27, 2015			9.50	1224.09
	July 7, 2015			10.25	1223.34
	July 11, 2016			11.02	1222.57
	October 17, 2016			8.68	1224.91
	March 22, 2017			9.49	1224.10
June 1, 2017	6.89	1226.70			

TABLE 1 (page 5 of 5)

GROUNDWATER ELEVATIONS

DAIRICONCEPTS SITE, CHILI, WISCONSIN

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
MW-9	April 29, 2005	16.10	1231.65	8.32	1223.33
	June 21, 2005			7.49	1224.16
	July 21, 2005			9.14	1222.51
	January 23, 2006			10.52	1221.13
	August 9, 2006			10.00	1221.65
	April 12, 2007			8.80	1222.85
	November 16, 2007			6.75	1224.90
	October 17, 2008			10.50	1221.15
	May 20, 2010			7.90	1223.75
	November 29, 2012			10.00	1221.65
	April 30, 2013			5.40	1226.25
	April 27, 2015			5.00	1226.65
	July 7, 2015			5.55	1226.10
	July 11, 2016			5.95	1225.70
	October 17, 2016			4.05	1227.60
March 22, 2017	4.43	1227.22			
June 1, 2017	3.52	1228.13			
MW-10	July 11, 2016	20.00	1240.87	15.30	1225.57
	October 17, 2016			12.99	1227.88
	March 22, 2017			13.95	1226.92
	June 1, 2017			13.18	1227.69
CMW-1	April 5, 2007	18.00	1234.64	12.57	1222.07
	July 3, 2007			11.96	1222.68
	November 1, 2007			8.38	1226.26
	January 17, 2008			10.63	1224.01
	December 19, 2008			13.72	1220.92
	May 21, 2010			10.88	1223.76
	November 29, 2012			13.10	1221.54
	April 30, 2013			9.15	1225.49
	April 27, 2015			8.30	1226.34
	July 7, 2015			8.30	1226.34
	July 11, 2016			8.70	1225.94
	October 17, 2016			6.38	1228.26
	March 22, 2017			7.47	1227.17
June 1, 2017	6.43	1228.21			
Street MW-East	July 7, 2015	33.00	1237.41	11.80	1225.61
	July 11, 2016			12.33	1225.08
	October 17, 2016			9.90	1227.51
	March 22, 2017			10.91	1226.50
	June 1, 2017			10.16	1227.25
Street MW-West	July 7, 2015	20.00	1237.55	9.55	1228.00
	July 11, 2016			9.90	1227.65
	October 17, 2016			8.57	1228.98
	March 22, 2017			9.45	1228.10
	June 1, 2017			8.70	1228.85
Quonset Hut Well	July 7, 2015	21.50	1240.83	12.75	1228.08
	July 11, 2016			12.96	1227.87
	October 17, 2016			12.00	1228.83
	March 22, 2017			12.10	1228.73
	June 1, 2017			11.49	1229.34

TABLE 2 (page 1 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-1A														NR 140 Remedial Action Limits	
Date	8/9/06	4/12/07	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1221.23	1221.93	1224.33	1220.73	1222.93	1220.83	1224.88	1225.38	1225.18	1225.31	1227.79	1228.07	1227.44		
ANALYTE														ES	PAL
VOCs/PVOCs (ppb)															
Benzene	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.074	< 0.2	< 0.074	< 0.15	1.9	4.2	3.5	5	0.5
1,2-DCA	1.12	0.8	0.7	< 0.3	0.81	1.4	1.8	2.4	1.1	1.3	1.8	3.5	1.5	5	0.5
Ethylbenzene	< 0.1	< 0.5	< 0.5	< 0.5	0.28	< 0.19	< 0.13	< 0.19	< 0.13	< 0.18	< 0.19	< 0.18	< 0.18	700	140
MTBE	< 0.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.17	< 0.39	< 0.39	60	12
Naphthalene	< 1	< 0.25	< 0.25	< 0.25	< 1	< 0.21	< 0.16	< 0.21	< 0.16	< 0.34	< 0.21	< 0.34	< 0.34	100	10
Toluene	0.53	< 0.2	< 0.2	< 0.2	< 4	0.36	< 0.11	< 0.17	< 0.11	< 0.15	< 0.17	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	0.26	< 0.2	< 0.2	< 0.2	0.21	< 0.18	< 0.18	< 0.17	< 0.18	< 0.36	< 0.17	< 0.36	< 0.36	480	96
Total Xylenes	0.1	< 0.5	< 0.5	< 0.5	< 4	0.5	< 0.068	< 0.38	< 0.068	< 0.22	< 0.58	< 0.22	< 0.22	2,000	400

DCA = dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Well Depth (feet): 20

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

TOC Elevation (feet): 1235.38

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Date Installed: 8-Aug-06

Screen Length (feet): 10

TABLE 2 (page 2 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-2A													NR 140 Remedial Action Limits	
Date	8/9/06	4/12/07	11/16/07	10/17/08	5/10/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17		
Elevation (ft)	1221.28	1221.38	1224.38	1220.83	1223.03	1220.98	1224.98	1225.73	1225.53	1225.02	1227.39	1226.40		
<u>ANALYTE</u>														
VOCs/PVOCs (ppb)														
Benzene	632	< 0.2	3.8	113	2.1	49	5	6.3	8.7	8.9	< 0.36	< 0.15	5	0.5
1,2-DCA	85.2	0.74	2.2	< 3	0.92	5.4	< 0.28	< 0.2	< 0.28	< 0.39	---	< 0.39	5	0.5
1,2-Dichloropropane	1.82	< 0.5	< 0.5	< 3	---	---	---	---	---	---	---	---	5	0.5
Ethylbenzene	26.3	< 0.5	< 0.5	11.4	< 0.2	0.23	< 0.13	< 0.19	< 0.13	< 0.18	< 0.37	< 0.18	700	140
Isopropylbenzene	5.29	< 0.2	< 0.2	1.5	---	---	---	---	---	---	---	---	---	---
MTBE	< 1	< 0.5	< 0.5	< 5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.24	< 0.39	60	12
Naphthalene	< 10	< 0.25	< 0.25	< 10	< 1	0.82	< 0.16	< 0.21	< 0.16	< 0.34	< 2.4	< 0.34	100	10
Toluene	24.2	< 0.2	0.52	11	< 0.4	0.69	< 0.11	< 0.17	< 0.11	< 0.15	< 0.33	< 0.15	800	160
1,2,4- & 1,3,5-TMB	3.29	< 0.25	< 0.25	4.8	< 0.2	< 0.17	< 0.18	< 0.17	< 0.18	< 0.36	< 0.3	< 0.36	480	96
Total Xylenes	20.35	< 0.5	< 0.5	23	< 0.4	1.2	< 0.068	< 0.38	< 0.068	< 0.22	< 0.58	< 0.22	2,000	400

--- = not analyzed or no standard DCA = dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Well Depth (feet): 20

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

TOC Elevation (feet): 1235.38

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Date Installed: 9-Aug-06

MW-2A was damaged and abandoned following street resurfacing activities on May 24, 2017.

TABLE 2 (page 3 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-3																NR 140 Remedial Action Limits	
Date	1/27/05	6/21/05	7/21/05	1/23/06	8/8/06	4/12/07	11/16/07	10/17/08	5/10/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	3/22/17		
Elevation (ft)	1220.55	1223.50	1222.14	1220.59	1221.09	1221.89	1224.44	1220.74	1223.04	1220.99	1225.14	1225.74	1225.54	1225.00	1226.39		
ANALYTE																	
VOCs/PVOCs (ppb)																	
Benzene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.15	< 0.15	< 0.2	< 0.2	< 0.2	< 0.2	< 0.074	< 0.2	< 0.074	< 0.15	< 0.15	5	0.5
1,2-DCA	< 0.3	< 0.3	< 0.3	< 0.3	< 0.15	< 0.15	< 0.2	< 0.2	< 0.3	< 0.2	< 0.28	< 0.2	< 0.28	< 0.39	< 0.39	5	0.5
Ethylbenzene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.1	< 0.1	< 0.2	< 0.2	< 0.3	< 0.19	< 0.13	< 0.19	< 0.13	< 0.18	< 0.18	700	140
MTBE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.1	< 0.1	< 0.5	< 0.5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.39	60	12
Naphthalene	< 0.3	< 0.3	< 0.3	< 0.3	< 1	< 1	< 0.25	< 0.25	< 1	< 0.21	< 0.16	< 0.21	< 0.16	< 0.34	< 0.34	100	10
Toluene	< 0.3	< 0.3	< 0.3	< 0.3	< 0.4	< 0.4	< 0.2	< 0.2	< 0.4	0.24	< 0.11	< 0.17	< 0.11	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	< 0.3	< 0.3	< 0.3	< 0.3	< 0.5	< 0.5	< 0.2	< 0.2	< 0.2	< 0.17	< 0.18	< 0.17	< 0.18	< 0.36	< 0.36	480	96
Total Xylenes	< 0.3	< 0.3	< 0.3	< 0.3	< 0.4	< 0.4	< 0.5	< 0.5	< 0.4	< 0.18	< 0.068	< 0.38	< 0.068	< 0.22	< 0.22	2,000	400

DCA = dichloroethane MTBE = methyl-tert-butylether TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 21.1
 TOC Elevation (feet): 1233.54
 Date Installed: 19-Jan-05
 Screen Length (feet): 15

TABLE 2 (page 4 of 16)

ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-3A														NR 140 Remedial Action Limits	
Date	8/9/06	4/12/07	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1222.29	1222.19	1225.14	1221.39	1224.19	1221.69	1225.79	1227.19	1227.19	1227.34	1228.66	1228.07	1228.39		
ANALYTE															
VOCs/PVOCs (ppb)															
Benzene	11,100	12,000	8,400	5,230	3,220	1,600	2,500	3,600	8,300	4,000	3,000	2,900	3,200	5	0.5
Bromomethane	< 50	< 50	160	< 500	---	---	---	---	---	---	---	---	---	10	1
n-Butylbenzene	34	740	740	1,830	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	7.2	160	160	< 150	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	< 50	< 50	170	< 200	---	---	---	---	---	---	---	---	---	3	0.3
2-Chlorotoluene	82	< 120	< 250	< 150	---	---	---	---	---	---	---	---	---	---	---
1,2-DCA	< 50	< 50	< 250	< 150	121	< 0.2	< 28	150	< 140	< 7.8	< 20	< 7.8	< 3.9	5	0.5
EDB	---	300	160	< 150	---	---	---	---	---	---	---	56	45	0.05	0.005
Ethylbenzene	1,260	4,400	1,900	2,990	1,470	610	1,100	1,600	21,000	1,600	1,500	1,200	1,600	700	140
Isopropylbenzene	49.1	380	100	286	---	---	---	---	---	---	---	---	---	---	---
p-Isopropyltoluene	20	160	< 100	---	---	---	---	---	---	---	---	---	---	---	---
MTBE	< 1	< 120	< 250	< 250	< 50	< 0.12	< 24	< 8.5	< 120	< 7.9	< 17	< 7.9	< 3.9	60	12
Naphthalene	218	1,500	320	807	897	150	840	280	6,000	530	400	260	450	100	10
Propylbenzene	100	1,200	< 250	< 50	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	7.18	< 120	< 250	< 150	---	---	---	---	---	---	---	---	---	---	---
Toluene	14,800	30,000	18,000	14,300	6,480	4,900	7,000	13,000	68,000	16,000	11,000	11,000	12,000	800	160
1,2,4- & 1,3,5-TMB	944	9,800	1,940	6,250	4,820	1,300	14,000	2,070	56,000	2,470	1,670	1,790	2,430	480	96
Total Xylenes	5,720	22,000	9,300	15,800	8,320	4,600	13,000	8,000	110,000	11,000	8,100	6,300	8,100	2,000	400

--- = not analyzed or no standard

DCA = dichloroethane

EDB = 1,2-dibromoethane MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Well Depth (feet): 20

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

TOC Elevation (feet): 1235.89

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Date Installed: 9-Aug-06

Screen Length (feet): 10

TABLE 2 (page 5 of 16)
ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-4/4R															NR 140 Remedial Action Limits	
Date	1/27/05	6/21/05	4/16/07	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1220.30	1223.54	1221.90	1224.50	1221.10	1223.60	1221.20	1226.30	1227.45	1226.15	1225.59	1227.74	1226.82	1227.60		
ANALYTE																
VOCs/PVOCs (ppb)																
Benzene	1,660	164	110	1,900	1,780	1,430	190	64	300	2,400	1,900	700	740	780	5	0.5
n-Butylbenzene	< 0.3	34.1	36	100	< 40	---	---	---	---	---	---	---	---	---	---	---
sec- Butylbenzene	< 10	< 10	10	23	< 30	---	---	---	---	---	---	---	---	---	---	---
1,2-DCA	< 0.3	< 10	< 10	< 20	< 30	< 30	8.4	< 5.6	< 10	< 56	89	< 10	< 2	< 0.78	5	0.5
EDB	< 8	< 8	< 8	23	< 30	---	---	---	---	---	---	---	< 1.9	< 0.77	0.05	0.005
Ethylbenzene	355	79.2	770	1,000	1,310	1,220	140	210	210	4,200	1,800	1,000	1,100	1,400	700	140
Isopropylbenzene	< 10	11.6	60	91	78	---	---	---	---	---	---	---	---	---	---	---
p-Isopropyltoluene	< 10	< 10	10	28	---	---	---	---	---	---	---	---	---	---	---	---
MTBE	< 20	< 20	< 20	< 20	< 50	< 50	< 0.12	< 4.8	< 8.5	< 48	< 3.9	< 8.5	< 2	< 0.79	60	12
Naphthalene	< 30	30	180	400	284	249	63	< 3.2	87	1,800	430	500	190	360	100	10
n-Propylbenzene	< 10	16.7	150	240	< 10	---	---	---	---	---	---	---	---	---	---	---
Toluene	1,890	269	750	3,600	2,560	4,430	220	100	260	2,900	6,200	2,600	2,400	2,300	800	160
1,2,4- & 1,3,5-TMB	277	150	1,220	1,960	1,587	1,287	750	1,820	590	16,300	2,180	1,550	1,290	1,770	480	96
Total Xylenes	1,195	437	3,200	4,500	4,970	5,140	540	800	850	14,000	7,200	3,900	4,000	4,800	2,000	400

--- = not analyzed or no standard

DCA = dichloroethane

EDB = 1,2-Dibromoethane

MTBE = methyl-tert-butyleth

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

MW-4 was abandoned during soil excavation activities on June 6, 2016 and replaced with MW-4R.

Well Depth (feet): 20

TOC Elevation (feet): 1236.83

Date Installed: 16-Jun-16

Screen Length (feet): 15

TABLE 2 (page 6 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-4A												NR 140 Remedial Action Limits	
Date	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1224.83	1222.23	1223.38	1221.18	1224.88	1225.98	1225.93	1225.43	1227.90	1226.80	1227.75		
ANALYTE													
VOCs/PVOCs (ppb)													
Benzene	1,600	1,850	1,840	1,000	600	24	28	28	36	13	< 0.36	5	0.5
cis-1,2-Dichloroethylene	< 10	37.2	---	---	---	---	---	---	---	---	---	70	7
1,2-DCA	< 10	< 50	< 30	< 0.2	< 1.4	< 0.2	< 0.28	< 0.28	---	< 0.39	< 0.28	5	0.5
EDB	< 8	60.7	---	---	---	---	---	---	---	< 0.39	---	0.05	0.005
Ethylbenzene	200	610	492	290	180	77	28	22	53	34	34	700	140
Isopropylbenzene	21	29.3	---	---	---	---	---	---	---	---	---	---	---
MTBE	< 20	< 50	< 50	< 0.12	< 1.2	< 0.17	< 0.24	< 0.39	58	< 0.39	< 0.24	60	12
Naphthalene	72	144	111	140	26	8.7	10	8.2	32	5.9	44	100	10
n-Propylbenzene	34	< 10	---	---	---	---	---	---	---	---	---	---	---
Toluene	160	441	332	75	84	31	6.6	4.5	12	6.4	8.6	800	160
1,2,4- & 1,3,5-TMB	200	437	491	347	181	175	81	21.8	65	54	67	480	96
Total Xylenes	300	781	897	380	320	110	46	34	71	42	39	2,000	400

--- = not analyzed or no standard DCA = dichloroethane

EDB = 1,2-Dibromoethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 18

TOC Elevation (feet): 1235.58

Date Installed: 12-Nov-07

Screen Length (feet): 10

TABLE 2 (page 7 of 16)

ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

	MW-5						MW-6A			MW-7A			NR 140 Remedial Action Limits	
Date	6/21/05	7/21/05	1/23/06	7/7/15	7/11/16	3/22/17	7/7/15	7/11/16	3/22/17	7/7/15	7/11/16	3/22/17	ES	PAL
Elevation (ft)	1223.70	1222.41	1220.77	1227.17	1226.89	1228.32	1226.77	1226.44	1227.64	1225.97	1225.75	1227.26		
ANALYTE													ES	PAL
VOCs/PVOCs (ppb)														
Benzene	186	202	262	2.1	5.4	3.5	< 0.074	< 0.15	< 0.15	< 0.074	< 0.15	< 0.15	5	0.5
n-Butylbenzene	9.26	12.2	18.8	---	---	---	---	---	---	---	---	---	---	---
sec- Butylbenzene	2.69	3.87	5.78	---	---	---	---	---	---	---	---	---	---	---
1,2-DCA	11.2	11.6	14.5	< 0.28	< 0.39	< 0.39	< 0.28	< 0.39	< 0.39	< 0.28	< 0.39	< 0.39	5	0.5
Ethylbenzene	28.4	34.6	19.7	1.8	1.8	1.7	< 0.13	< 0.18	< 0.18	< 0.13	< 0.18	< 0.18	700	140
Isopropylbenzene	28.4	34.6	19.7	---	---	---	---	---	---	---	---	---	---	---
MTBE	---	---	---	< 0.24	< 0.39	< 0.39	< 0.24	< 0.39	< 0.39	< 0.24	< 0.39	< 0.39	60	12
Naphthalene	24.1	26.2	31.1	2.9	9.7	2.4	< 0.16	< 0.34	< 0.34	< 0.16	< 0.34	< 0.34	100	10
n-Propylbenzene	7.06	9.91	9.48	---	---	---	---	---	---	---	---	---	---	---
Toluene	5.78	8.59	8.94	< 0.11	0.43	0.26	< 0.11	< 0.15	< 0.15	< 0.11	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	45.24	61.6	91.3	17	31.73	15.44	< 0.18	< 0.36	< 0.36	< 0.18	< 0.36	< 0.36	480	96
Total Xylenes	73.2	98.8	117.2	20	33	17	< 0.068	< 0.22	< 0.22	< 0.068	< 0.22	< 0.22	2,000	400

--- = not analyzed or no standard

DCA = 1,2-Dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

TABLE 2 (page 8 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-5A												NR 140 Remedial Action Limits	
Date	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1225.56	1222.01	1224.81	1222.91	1226.31	1227.21	1227.61	1227.46	1228.81	1227.70	1228.76		
ANALYTE													
VOCs/PVOCs (ppb)													
Benzene	< 200	143	393	77	63	53	42	30	6	51	16	5	0.5
n-Butylbenzene	4,500	< 40	---	---	---	---	---	---	---	---	---	---	---
sec- Butylbenzene	600	< 30	---	---	---	---	---	---	---	---	---	---	---
1,2-DCA	< 200	< 30	< 300	< 0.2	< 0.56	< 10	< 1.4	< 7.8	< 1	< 2	< 7.8	5	0.5
Ethylbenzene	1,200	809	3,800	710	620	520	510	220	55	470	150	700	140
Isopropylbenzene	500	78	---	---	---	---	---	---	---	---	---	---	---
p-Isopropyltoluene	550	---	---	---	---	---	---	---	---	---	---	---	---
MTBE	< 500	< 50	< 500	< 0.12	< 0.48	< 8.5	< 1.2	< 7.9	< 0.85	< 2	300	60	12
Naphthalene	4,200	203	2,640	190	200	160	150	180	38	110	96	100	10
n-Propylbenzene	2,400	< 10	---	---	---	---	---	---	---	---	---	---	---
Toluene	1,400	1,300	5,590	1,100	800	280	220	72	12	120	42	800	160
1,2,4- & 1,3,5-TMB	30,500	1,767	16,470	1,840	1,130	1,900	2,020	1,400	332	1,390	283	480	96
Total Xylenes	4,900	2,902	15,530	2,900	1,900	1,800	1,900	960	180	330	440	2,000	400

--- = not analyzed or no standard DCA = dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 18

TOC Elevation (feet): 1236.41

Date Installed: 12-Nov-07

Screen Length (feet): 10

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ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-6										NR 140 Remedial Action Limits	
Date	6/21/05	7/21/05	1/23/06	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	3/22/17		
Elevation (ft)	1223.58	1222.30	1220.60	1221.10	1225.10	1225.90	1225.70	1225.20	1226.61		
<u>ANALYTE</u>										<i>ES</i>	<i>PAL</i>
VOCs/PVOCs (ppb)											
Benzene	< 0.31	< 0.31	< 0.31	< 0.2	< 0.074	< 0.2	< 0.074	< 0.15	< 0.15	5	0.5
1,2-DCA	< 0.4	< 0.4	< 0.4	0.59	< 0.28	< 0.2	< 0.28	< 0.39	< 0.39	5	0.5
Ethylbenzene	< 0.5	< 0.5	< 0.5	< 0.19	< 0.13	< 0.19	0.52	< 0.18	< 0.18	700	140
MTBE	< 0.5	< 0.5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.39	60	12
Naphthalene	< 0.8	< 0.8	< 0.8	< 0.21	< 0.16	< 0.21	2.2	< 0.34	< 0.34	100	10
Toluene	< 0.3	< 0.3	< 0.3	0.22	< 0.11	< 0.17	0.98	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	< 0.71	< 0.71	< 0.71	< 0.17	< 0.18	< 0.17	5.7	< 0.36	< 0.36	480	96
Total Xylenes	< 0.92	< 0.92	< 0.92	< 0.18	< 0.068	< 0.38	2.9	< 0.22	< 0.22	2,000	400

DCA = dichloroethane MTBE = methyl-tert-butylether TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 21.1
TOC Elevation (feet): 1236.90
Date Installed: 20-Apr-05
Screen Length (feet): 10

TABLE 2 (page 10 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-7																	NR 140 Remedial Action Limits	
Date	6/21/05	7/21/05	1/23/06	8/8/06	4/12/07	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1223.74	1222.32	1220.80	1221.29	1222.09	1224.54	1220.99	1223.49	1221.39	1225.49	1226.29	1225.84	1225.40	1227.73	1226.78	1227.60		
ANALYTE																		
VOCs/PVOCs (ppb)																		
Benzene	1.99	1.51	< 0.2	0.31	0.4	2.2	< 0.2	1.99	< 0.2	5.6	1.6	4.4	0.64	< 0.36	0.72	0.65	5	0.5
1,2-DCA	0.66	0.98	1.14	1.81	0.77	0.66	1.52	0.64	< 0.2	< 0.28	< 0.2	< 0.28	< 0.39	---	0.95	< 0.39	5	0.5
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 0.2	< 0.2	< 0.2	< 0.13	< 0.19	4	< 0.18	< 0.37	< 0.18	< 0.18	700	140
MTBE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.24	< 0.39	< 0.39	60	12
Naphthalene	< 1	< 1	< 1	< 1	< 0.25	< 0.25	< 1	< 1	< 0.21	< 0.16	< 0.21	8	< 0.34	< 2.4	< 0.34	< 0.34	100	10
Toluene	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.4	< 0.4	0.29	< 0.11	< 0.17	6.3	< 0.15	< 0.33	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	< 0.15	< 0.15	< 0.15	< 0.15	< 0.2	< 0.2	< 0.2	0.92	< 0.17	< 0.18	< 0.17	33.3	< 0.39	< 0.3	< 0.36	< 0.39	480	96
Total Xylenes	< 0.4	< 0.4	< 0.4	< 0.4	< 0.5	< 0.5	< 0.4	0.45	< 0.18	< 0.068	< 0.38	26	< 0.22	< 0.58	< 0.22	< 0.22	2,000	400

DCA = dichloroethane MTBE = methyl-tert-butylether TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 19.8
 TOC Elevation (feet): 1233.49
 Date Installed: 21-Apr-05
 Screen Length (feet): 10

TABLE 2 (page 11 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

PZ-7															NR 140 Remedial Action Limits	
Date	6/21/05	7/21/05	1/23/06	8/8/06	4/12/07	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	3/22/17		
Elevation (ft)	1220.05	1219.78	1217.61	1218.64	1220.34	1221.94	1221.94	1220.84	1219.14	1223.14	1224.09	1223.34	1222.57	1224.10		
<u>ANALYTE</u>															ES	PAL
VOCs/PVOCs (ppb)																
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.074	< 0.2	< 0.074	< 0.15	< 0.15	5	0.5
1,2-DCA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 0.28	< 0.2	< 0.28	< 0.39	< 0.39	5	0.5
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 0.5	< 0.2	< 0.19	< 0.13	< 0.19	< 0.13	< 0.18	< 0.18	700	140
MTBE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.39	60	12
Naphthalene	< 1	< 1	< 1	< 1	< 0.25	< 0.25	< 0.25	< 1	< 0.21	< 0.16	2	< 0.16	< 0.34	< 0.34	100	10
Toluene	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.2	< 0.4	0.23	< 0.11	< 0.17	0.43	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	< 0.15	< 0.15	< 0.15	< 0.15	< 0.25	< 0.2	< 0.2	< 0.3	< 0.17	< 0.18	0.59	1.3	< 0.39	< 0.39	480	96
Total Xylenes	< 0.4	< 0.4	< 0.4	< 0.4	< 0.5	< 0.5	< 0.5	< 0.4	< 0.18	< 0.068	< 0.38	0.74	< 0.22	< 0.22	2,000	400

DCA = dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Well Depth (feet): 46.3

Italic numbers indicate concentrations above the ES outlined in NR 140.10.

TOC Elevation (feet): 1233.59

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Date Installed: 21-Apr-05

Screen Length (feet): 5

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ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

MW-9															NR 140 Remedial Action Limits	
Date	6/21/05	7/21/05	1/23/06	8/8/06	4/12/07	11/16/07	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	3/22/17		
Elevation (ft)	1224.16	1222.51	1221.13	1221.65	1222.85	1224.90	1221.15	1223.75	1221.65	1226.25	1226.65	1226.10	1225.70	1227.22		
ANALYTE																
VOCs/PVOCs (ppb)																
Benzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.074	< 0.2	< 0.074	< 0.15	< 0.15	5	0.5
1,2-DCA	< 0.15	< 0.15	< 0.15	< 0.15	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 0.28	< 0.2	< 0.28	< 0.39	< 0.39	5	0.5
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 0.5	< 0.2	< 0.19	< 0.13	< 0.19	< 0.13	< 0.18	< 0.18	700	140
MTBE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.39	60	12
Naphthalene	< 1	< 1	< 1	< 1	< 0.25	< 0.25	< 0.25	< 1	< 0.21	< 0.16	0.82	< 0.16	< 0.34	< 0.34	100	10
Toluene	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	0.22	< 0.11	< 0.17	< 0.11	< 0.15	< 0.15	800	160
1,2,4- & 1,3,5-TMB	< 0.25	< 0.25	< 0.25	0.26	< 0.25	< 0.2	< 0.2	< 0.3	< 0.17	< 0.18	< 0.17	0.87	< 0.39	< 0.39	480	96
Total Xylenes	< 0.4	< 0.4	< 0.4	< 0.4	< 0.5	< 0.5	< 0.5	< 0.4	< 0.18	< 0.068	< 0.38	< 0.068	< 0.22	< 0.22	2,000	400

--- = not analyzed or no standard

DCA = dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Well Depth (feet): 16.1

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

TOC Elevation (feet): 1231.65

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Date Installed: 21-Apr-05

Screen Length (feet): 10

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ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

	MW-10				Street MW-East					Street MW-West					NR 140 Remedial Action Limits	
Date	7/11/16	10/17/16	3/22/17	6/1/17	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Elevation (ft)	1225.57	1227.88	1226.92	1227.69	1225.61	1225.08	1227.51	1226.50	1227.25	1228.00	1227.65	1228.98	1228.10	1228.85		
ANALYTE															ES	PAL
VOCs/PVOCs (ppb)																
Benzene	49	< 2	54	87	< 0.074	< 0.15	< 0.36	< 0.15	< 0.36	2.3	5.6	0.89	1.3	< 0.36	5	0.5
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec- Butylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-DCA	< 2	< 2	< 2	---	< 0.28	< 0.39	---	< 0.39	---	< 0.28	< 0.39	---	< 0.39	---	5	0.5
Ethylbenzene	790	1,700	590	740	1.3	< 0.18	< 0.37	< 0.18	< 0.37	< 0.13	1.8	< 0.37	< 0.18	< 0.37	700	140
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MTBE	< 2	< 1.7	< 2	2,100	< 0.24	< 0.39	< 0.24	< 0.39	< 0.24	< 0.24	< 0.39	< 0.24	< 0.39	0.69	60	12
Naphthalene	210	820	97	360	1.8	< 0.34	< 2.4	< 0.34	< 2.4	< 0.16	< 0.34	< 2.4	< 0.34	< 2.4	100	10
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	300	440	420	890	2.2	< 0.15	< 0.33	< 0.15	< 0.33	0.39	0.35	< 0.33	< 0.15	< 0.33	800	160
1,2,4- & 1,3,5-TMB	1,130	2,930	960	960	7	< 0.36	< 0.3	< 0.36	< 0.3	0.66	2.54	< 0.3	< 0.36	< 0.3	480	96
Total Xylenes	1,900	1,500	1,300	1,900	6.7	< 0.22	< 0.58	< 0.22	< 0.58	0.63	4.5	< 0.58	< 0.22	< 0.58	2,000	400

--- = not analyzed or no standard

DCA = 1,2-Dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

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ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

CMW-1															NR 140 Remedial Action Limits	
Date	4/5/07	7/3/07	11/1/07	1/17/08	12/19/08	5/21/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17		
Depth to Water (ft)	1222.07	1222.68	1226.26	12.24.01	1220.92	1223.76	1221.54	1225.49	1226.34	1226.34	1225.94	1228.26	1227.17	1228.21		
ANALYTE																
VOCs/PVOCs (ppb)																
Benzene	0.41	0.40	7.11	2.65	2.14	< 0.2	0.24	0.28	< 0.2	< 0.074	< 0.15	< 0.36	< 0.15	< 0.36	5	0.5
1,2-DCA	0.93	---	---	---	---	---	< 0.2	< 0.28	< 0.2	< 0.28	< 0.39	---	< 0.39	---	5	0.5
Ethylbenzene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5	< 0.19	< 0.13	< 0.19	< 0.13	< 0.18	< 0.37	< 0.18	< 0.37	700	140
MTBE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.12	< 0.24	< 0.17	< 0.24	< 0.39	< 0.24	< 0.39	< 0.24	60	12
Naphthalene	< 1	---	---	---	---	---	< 0.21	< 0.16	< 0.21	< 0.16	< 0.34	< 2.4	< 0.34	< 2.4	100	10
Toluene	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.17	< 0.11	< 0.17	0.36	< 0.15	< 0.33	< 0.15	< 0.33	800	160
1,2,4- & 1,3,5-TMB	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.17	< 0.18	< 0.17	0.83	< 0.39	< 0.3	< 0.39	< 0.3	480	96
Total Xylenes	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.18	< 0.068	< 0.38	0.59	< 0.22	< 0.58	< 0.22	< 0.58	2,000	400

--- = not analyzed or no standard

DCA = 1,2-Dichloroethane

MTBE = methyl-tert-butylether

TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

Well Depth (feet): 18
 TOC Elevation (feet): 1234.64
 Date Installed: 28-Feb-07
 Screen Length (feet): 10

TABLE 2 (page 15 of 16)

ANALYTICAL RESULTS - GROUNDWATER

DAIRICONCEPTS SITE, CHILI, WISCONSIN

	PW-1						PW-5			Strey Well				NR 140 Remedial Action Limits	
Date	8/9/06	11/29/12	5/8/13	4/27/15	7/7/15	7/11/16	4/27/15	7/7/15	7/11/16	12/10/03	6/15/05	1/23/06	7/11/16	ES	PAL
ANALYTE														ES	PAL
VOCs/PVOCs (ppb)															
Benzene	< 0.15	< 0.2	< 0.074	< 0.2	< 0.13	< 0.13	< 0.2	< 0.13	< 0.13	1.5	0.347	0.322	< 0.13	5	0.5
1,2-DCA	< 0.1	< 0.2	< 0.28	< 0.2	< 0.14	< 0.14	< 0.2	< 0.14	< 0.14	< 0.15	0.15	0.185	< 0.14	5	0.5
Ethylbenzene	< 0.1	< 0.19	< 0.13	< 0.19	< 0.11	< 0.11	< 0.19	< 0.11	< 0.11	< 0.15	< 0.4	< 0.4	< 0.11	700	140
MTBE	< 0.4	< 0.12	< 0.24	< 0.17	< 0.12	< 0.12	< 0.17	< 0.12	< 0.12	< 0.15	< 0.4	< 0.4	< 0.15	60	12
Naphthalene	< 1	< 0.21	< 0.16	< 0.21	< 0.06	< 0.06	< 0.21	< 0.06	< 0.06	< 0.15	< 1	< 1	< 0.15	100	10
Toluene	< 0.4	< 0.17	< 0.11	< 0.17	< 0.1	< 0.1	< 0.17	< 0.1	< 0.1	< 0.15	< 0.4	< 0.4	< 0.1	800	160
1,2,4- & 1,3,5-TMB	< 0.4	0.48	< 0.18	< 0.17	1.65	< 0.13	< 0.17	< 0.09	< 0.13	< 0.3	< 0.3	< 0.3	< 0.13	480	96
Total Xylenes	< 1	< 0.18	< 0.068	< 0.38	< 0.2	< 0.12	< 0.38	< 0.2	< 0.12	< 0.3	< 0.5	< 0.5	< 0.12	2,000	400

DCA = 1,2-Dichloroethane MTBE = methyl-tert-butylether TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

PW-1 represents a sample collected from the on site potable well at the DairiConcepts facility (ID #IY805).

PW-5 represents a sample collected from the new (installed 9-25-13) on site potable well at the DairiConcepts facility (ID #XH461).

Strey Well represents a sample collected from the Strey Residence potable well, N5696 County Highway Y.

TABLE 2 (page 16 of 16)

ANALYTICAL RESULTS - GROUNDWATER
DAIRICONCEPTS SITE, CHILI, WISCONSIN

Date	PW-4											NR 140 Remedial Action Limits	
	11/1/06	1/10/07	3/2/07	1/11/08	10/17/08	5/20/10	11/29/12	4/30/13	4/27/15	7/7/15	7/11/16	ES	PAL
ANALYTE													
VOCs/PVOCs (ppb)													
Benzene	5.97	2.2	< 0.15	0.27	< 0.2	< 0.2	< 0.2	< 0.074	< 0.2	< 0.13	< 0.13	5	0.5
Bromobenzene	0.1	< 0.1	< 0.1	< 0.2	< 0.2	---	---	---	---	< 0.13	< 0.13	---	---
Bromodichloromethane	1.65	0.37	< 0.1	< 0.2	< 0.2	---	---	---	---	< 0.11	< 0.11	0.6	0.06
Chloroethane	< 0.6	0.1	< 0.6	< 0.6	< 0.6	---	---	---	---	< 0.07	< 0.07	400	80
Chloroform	19.6	4.4	< 0.1	< 0.1	< 0.1	---	---	---	---	< 0.14	< 0.14	6	0.6
Chloromethane	< 0.2	0.12	< 0.2	< 0.2	< 0.2	---	---	---	---	< 0.063	< 0.063	3	0.3
1,4-Dichlorobenzene	< 0.1	< 0.05	1.13	< 0.8	< 0.8	---	---	---	---	< 0.13	< 0.13	75	15
1,2-DCA	< 0.1	0.15	< 0.1	< 0.2	< 0.2	< 0.3	< 0.2	< 0.28	< 0.2	< 0.14	< 0.14	5	0.5
1,2-Dichloropropane	0.39	< 0.1	< 0.1	< 0.2	< 0.2	---	---	---	---	< 0.11	< 0.11	5	0.05
Ethylbenzene	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.2	< 0.19	< 0.13	< 0.19	< 0.11	< 0.11	700	140
Methylene Chloride	< 0.4	0.91	< 0.4	< 0.4	< 0.4	---	---	---	---	< 0.25	< 0.25	---	---
MTBE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.5	0.29	< 0.24	< 0.17	< 0.12	< 0.12	60	12
Naphthalene	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.16	< 0.21	< 0.06	< 0.06	100	10
Toluene	< 0.4	0.44	< 0.4	11.9	0.86	< 0.4	< 0.17	< 0.11	< 0.17	< 0.1	< 0.1	800	160
1,2,4- & 1,3,5-TMB	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.2	< 0.17	< 0.18	< 0.17	< 0.043	< 0.043	480	96
Total Xylenes	< 1	< 0.05	< 1	< 1	< 1	< 0.4	< 0.18	< 0.068	< 0.38	< 0.2	< 0.12	2,000	400

--- = not analyzed or no standard

DCA = 1,2-Dichloroethane

MTBE = methyl-tert-butylether

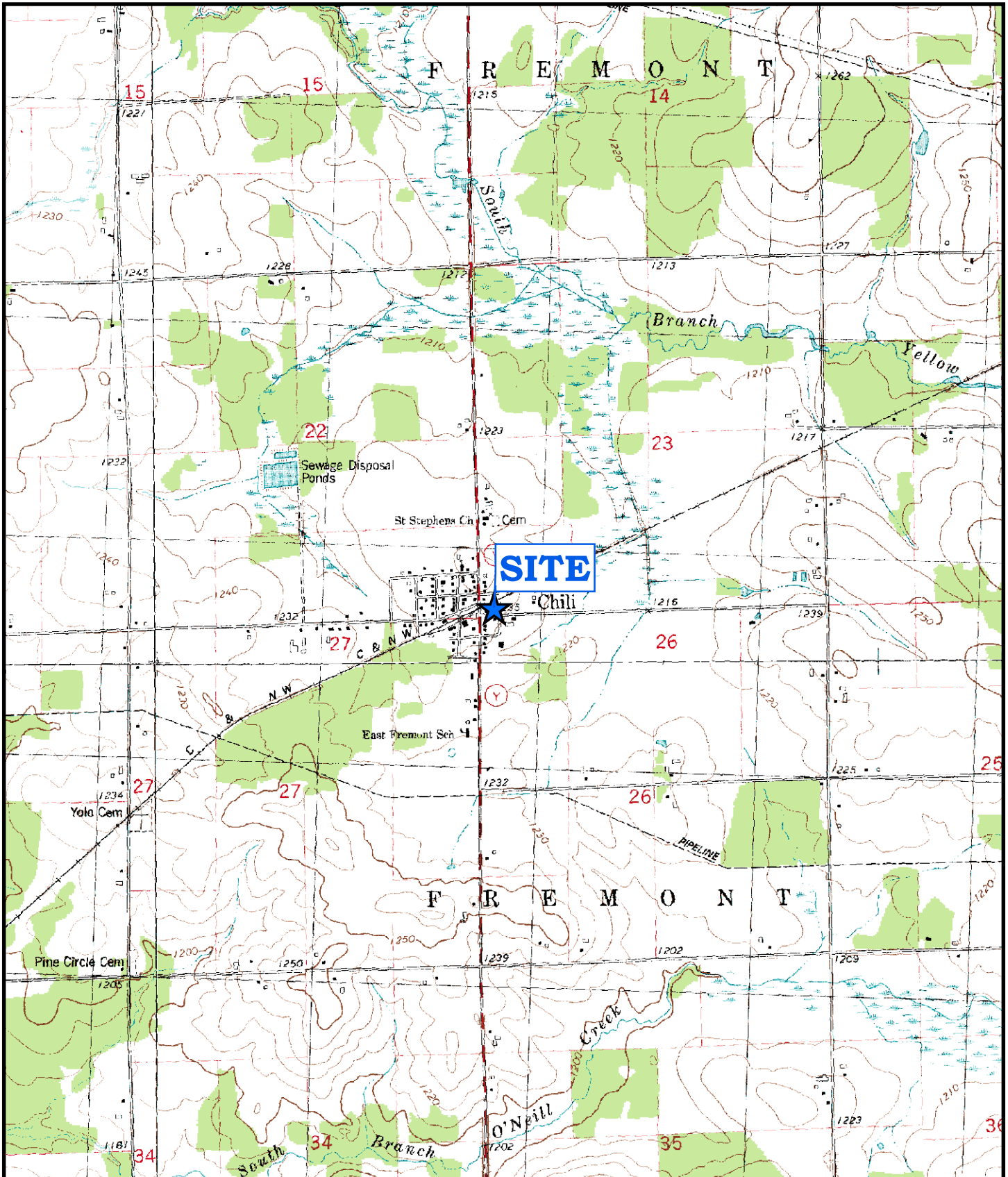
TMB = trimethylbenzene

Bold italic numbers indicate concentrations above the ES outlined in NR 140.10.

Bold numbers indicate concentrations above the PAL outlined in NR 140.10.

PW-4 represents a sample collected from the new potable well at W887 Chili Road (former Krueger Residence) (TY722).

Figures



Map Reference: USGS 7.5" Quadrangles, Spencer South, Loyal East, Lindsey, and Granton, Wisconsin

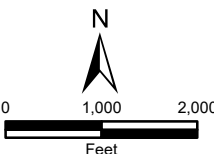


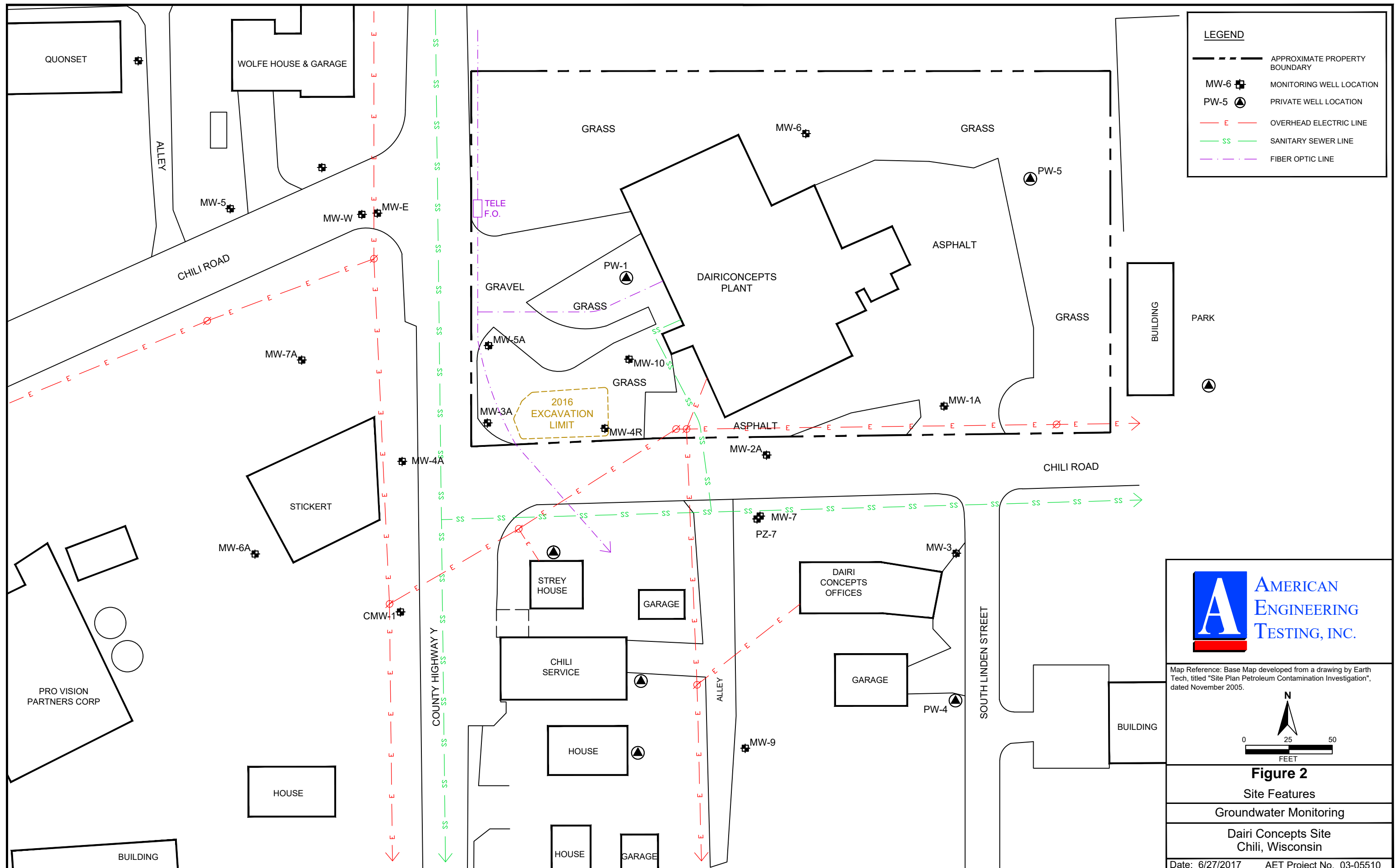
Figure 1
Site Location Map

Groundwater Monitoring Report

Dairi Concepts Site
Chili, Wisconsin

Date: 08/16/2016

AET Project No. 03-05510



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-6 MONITORING WELL LOCATION
- PW-5 PRIVATE WELL LOCATION
- OVERHEAD ELECTRIC LINE
- SANITARY SEWER LINE
- FIBER OPTIC LINE



Map Reference: Base Map developed from a drawing by Earth Tech, titled "Site Plan Petroleum Contamination Investigation", dated November 2005.

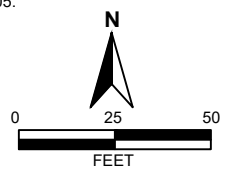
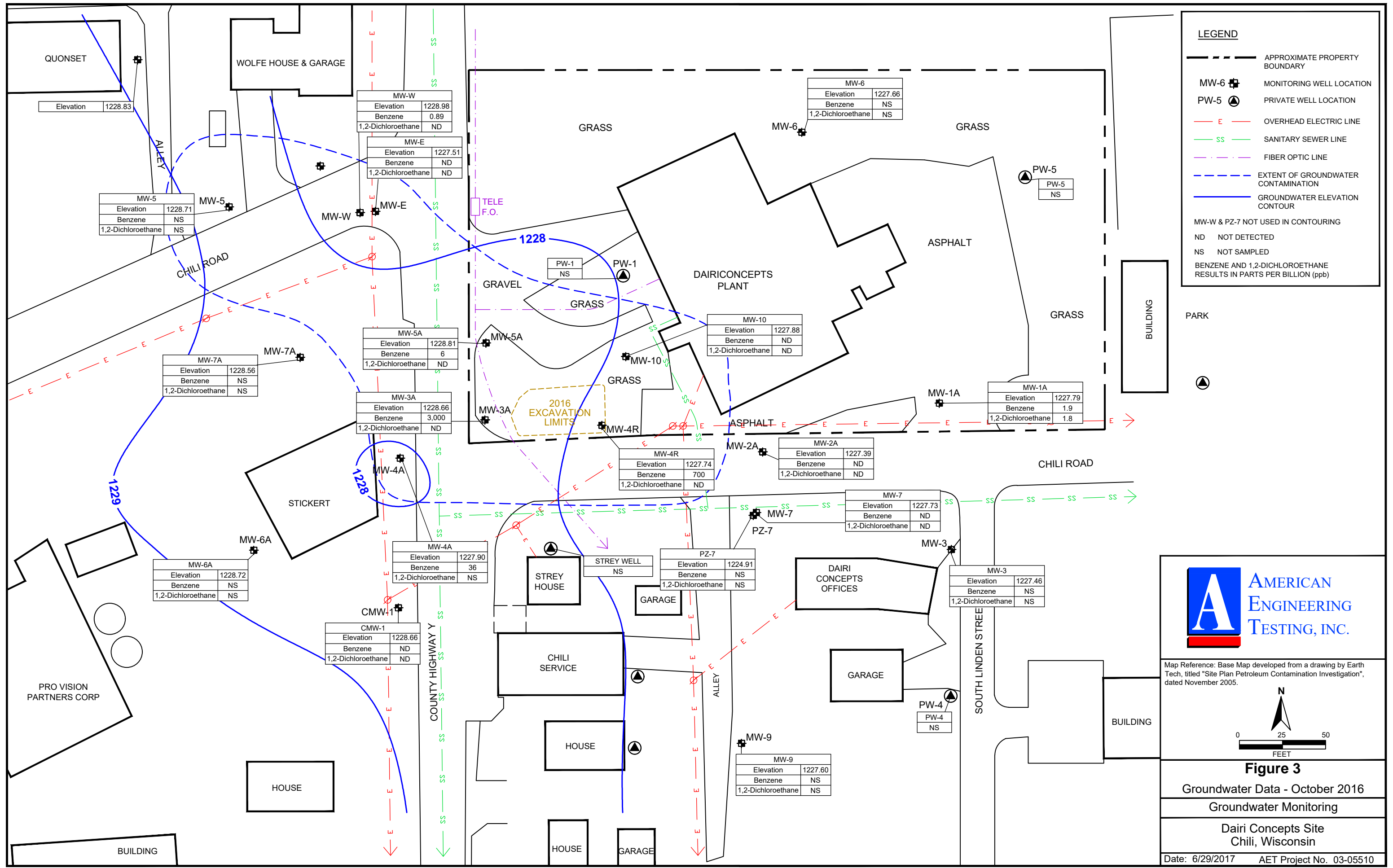


Figure 2
 Site Features
 Groundwater Monitoring
 Dairi Concepts Site
 Chili, Wisconsin
 Date: 6/27/2017 AET Project No. 03-05510



Map Reference: Base Map developed from a drawing by Earth Tech, titled "Site Plan Petroleum Contamination Investigation", dated November 2005.

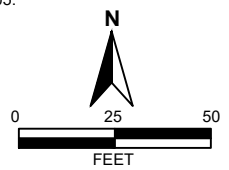
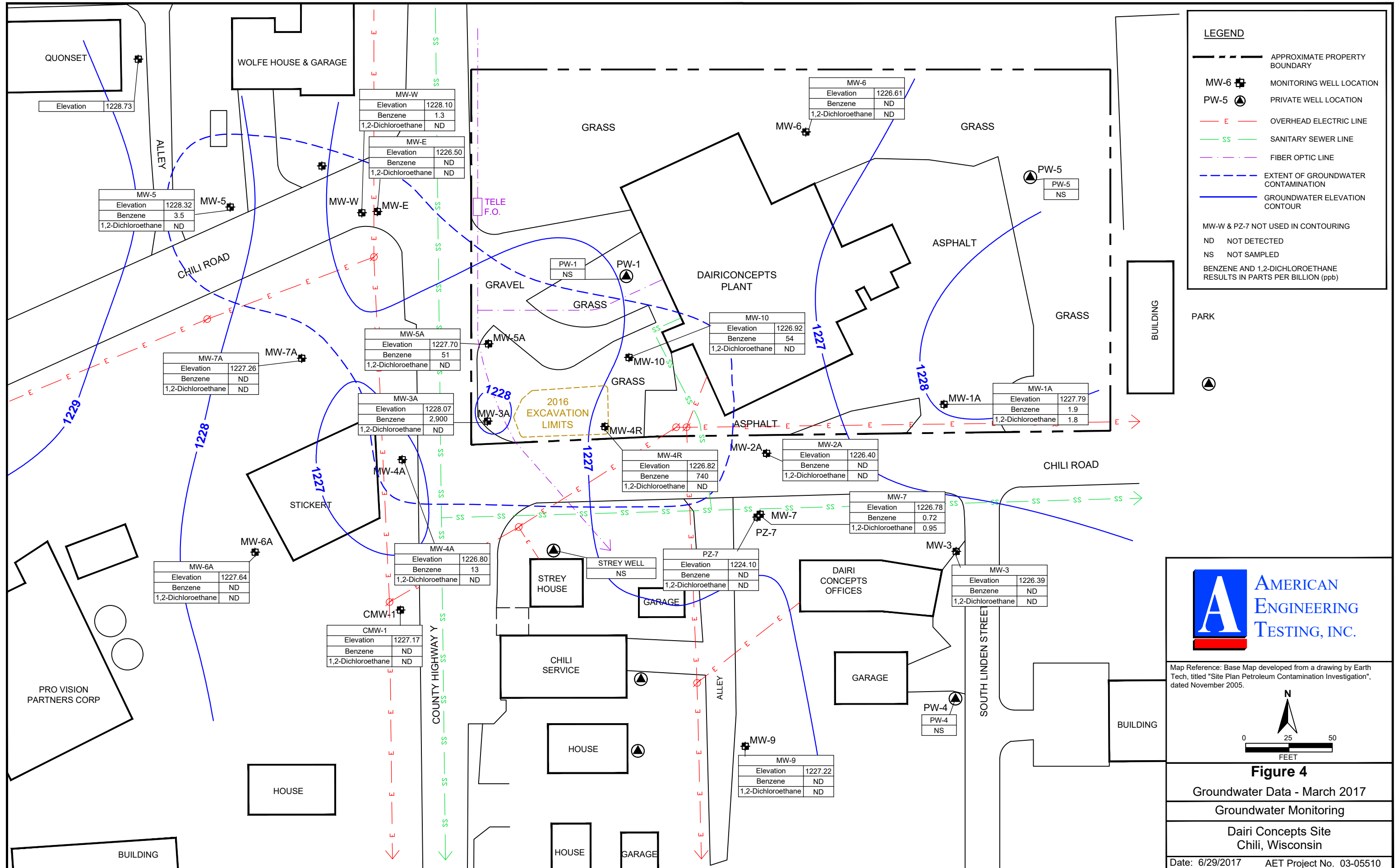


Figure 3
 Groundwater Data - October 2016
 Groundwater Monitoring
 Dairy Concepts Site
 Chilli, Wisconsin
 Date: 6/29/2017 AET Project No. 03-05510



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-6 MONITORING WELL LOCATION
- PW-5 PRIVATE WELL LOCATION
- OVERHEAD ELECTRIC LINE
- SANITARY SEWER LINE
- FIBER OPTIC LINE
- EXTENT OF GROUNDWATER CONTAMINATION
- GROUNDWATER ELEVATION CONTOUR

MW-W & PZ-7 NOT USED IN CONTOURING

ND NOT DETECTED
NS NOT SAMPLED

BENZENE AND 1,2-DICHLOROETHANE RESULTS IN PARTS PER BILLION (ppb)



Map Reference: Base Map developed from a drawing by Earth Tech, titled "Site Plan Petroleum Contamination Investigation", dated November 2005.

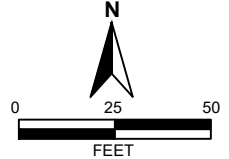
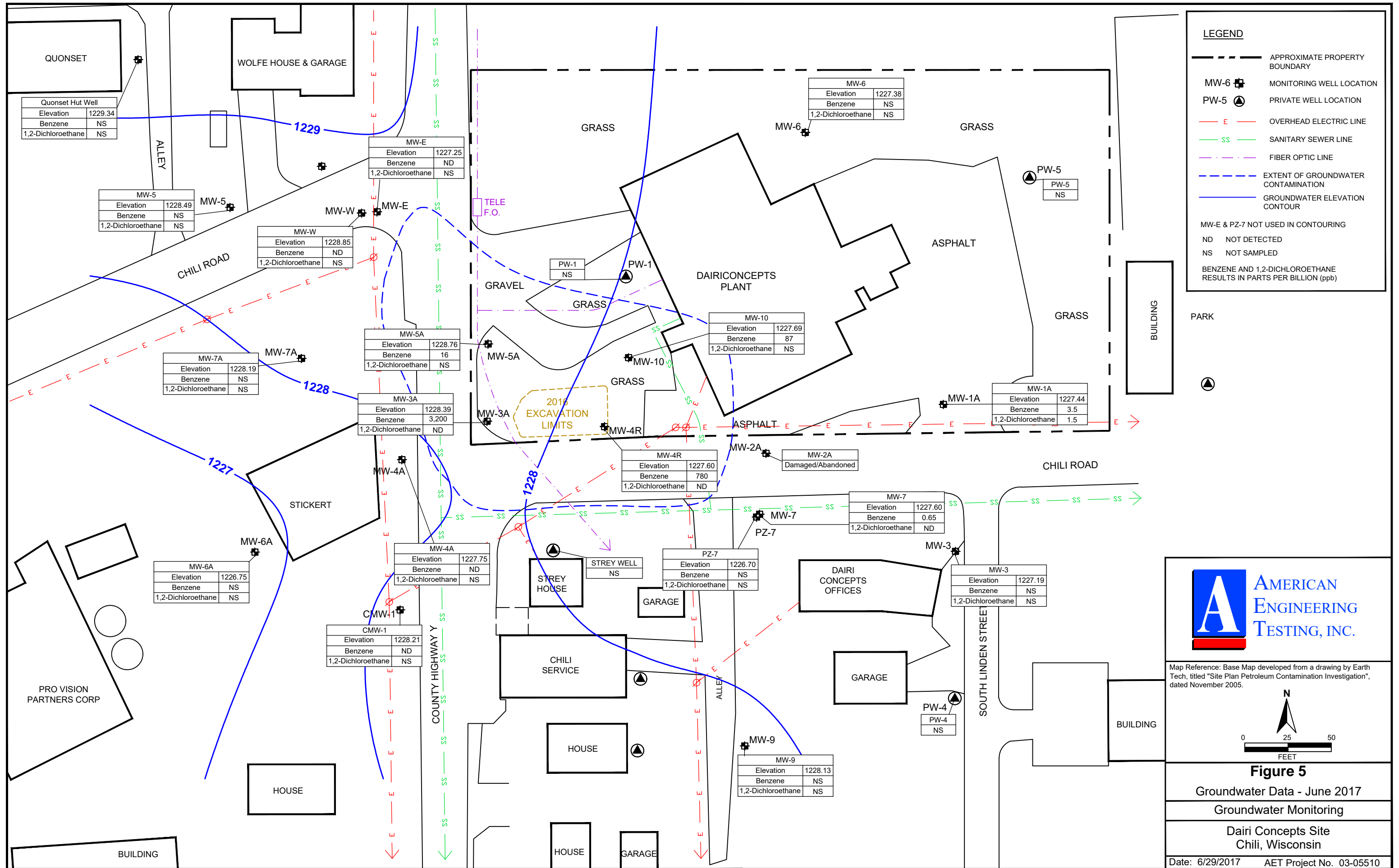


Figure 4
Groundwater Data - March 2017
Groundwater Monitoring
Dairi Concepts Site
Chili, Wisconsin
Date: 6/29/2017 AET Project No. 03-05510



Map Reference: Base Map developed from a drawing by Earth Tech, titled "Site Plan Petroleum Contamination Investigation", dated November 2005.

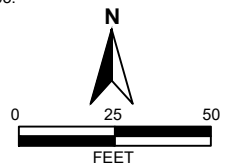


Figure 5
 Groundwater Data - June 2017
 Groundwater Monitoring
 Dairi Concepts Site
 Chili, Wisconsin
 Date: 6/29/2017 AET Project No. 03-05510

Appendix A

Acronyms and Abbreviations

ACRONYMS AND ABBREVIATIONS**AET Standard List**

°C	degrees Celsius
°F	degrees Fahrenheit
%	percent
AAI	EPA All Appropriate Inquiry (§312.10 of 40 CFR 312)
ACM	asbestos containing material
ACBM	asbestos containing building material
AET	American Engineering Testing, Inc.
AHERA	Asbestos Hazard Emergency Response Act
AST	aboveground storage tank
ASTM	American Society for Testing and Materials (now known only by acronym)
AUL	activity and use limitation
BETX	benzene, ethylbenzene, toluene, xylene
bgs	below ground surface
BRRTS	Bureau of Remediation and Redevelopment Tracking System
CAP	Corrective Action Plan
CERCLA	Comprehensive Environmental Response, Compensation, Liability Act (Superfund)
CERCLIS	Comprehensive Environmental Response, Compensation, Liability Information System
CESQG	RCRA Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CLEAN	Contaminated Lands Environmental Action Network
CoC	contaminant of concern
c.o.c.	chain of custody
CORRACTS	RCRA Corrective Actions Information System
cPAH	carcinogenic polynuclear aromatic hydrocarbon
CVOC	chlorinated volatile organic compound
cy or CY	cubic yards
DRO	diesel range organics
EC	engineering control
EIS	Environmental Impact Statement
EP	Environmental Professional (§312.10 of 40 CFR 312)
EPA	Environmental Protection Agency (also USEPA)
ES	enforcement standard
ERNS	Emergency Response Notification System (federal)
ESA	Environmental Site Assessment
f/cc	fibers per cubic centimeter
ft	feet
GC	gas chromatography
GC/MS	gas chromatography/mass spectroscopy
GEN	RCRA Generator

ACRONYMS AND ABBREVIATIONS**AET Standard List**

GIS	geographic information system
GPS	global positioning system
GRO	gasoline range organics
HASP	Health and Safety Plan
HIG	Historical Information Gatherers, Inc.
HREC	historical recognized environmental condition
IC	institutional control
LLP	landowner liability protection
LQG	RCRA Large Quantity Generator
LOQ	limit of quantitation
LSI	Limited Site Investigation
LUST	leaking underground storage tank
MCL	EPA Maximum Contaminant Level
MDL	method detection limit.
mg/kg	milligrams per kilogram (ppm)
mg/L	milligrams per liter (ppm)
MTBE	methyl tert-butyl ether
NA	not assigned or not applicable
ND	no detection
NEPA	National Environmental Protection Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NLR	RCRA No Longer Regulated Information System
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List (federal Superfund)
NR	not recorded
ODI	EPA Open Dump Inventory
OSHA	Occupational Safety and Health Administration
PECFA	Petroleum Environmental Clean-Up Fund Act
PAH	polynuclear aromatic hydrocarbon
PAL	preventive action limit
PEL	OSHA Permissible Exposure Limit
PCB	polychlorinated biphenyl
pcm	point count method
PE	Professional Engineer
PG	Professional Geologist
PID	photoionization detector
PLM	polarized light microscopy

ACRONYMS AND ABBREVIATIONS**AET Standard List**

PLP	Permanent List of Priorities (state Superfund)
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
PVOC	petroleum volatile organic compound
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RACM	regulated asbestos containing material
RAP	Response Action Plan
RCRA	Resource Conservation Recovery Act
RCL	residual contaminant level
REC	recognized environmental condition
RI	Remedial Investigation
RL	laboratory reporting limit
ROD	EPA Record of Decision
RP	responsible party
SDS	safety data sheet
SOP	standard operating procedure
SPILLS	WDNR Spills inventory
SQG	RCRA Small Quantity Generator
SREC	suspect recognized environmental condition
SSP	Site Safety Plan
SVE	soil vapor extraction
SVOC	semi-volatile organic compound
SWF/LF	WDNR Solid Waste Facilities/Landfill Sites
TCLP	Toxicity Characteristic Leaching Procedure
TMB	trimethylbenzene
TPH	total petroleum hydrocarbons
TRIS	EPA Toxic Release Inventory System
TSCA	Toxic Substances Control Act
TSD	RCRA Transportation Storage and Disposal inventory
µg/kg	micrograms per kilogram (ppb)
µg/l or µg/L	micrograms per liter (ppb)
µg/m ³	micrograms per cubic meter
USEPA	United States Environmental Protection Agency (also EPA)
USGS	United States Geological Survey
UST	underground storage tank
VIC	Voluntary Investigation and Cleanup Program

ACRONYMS AND ABBREVIATIONS**AET Standard List**

VOC	volatile organic compound
WAC	Wisconsin Administrative Code
WDATCP	Wisconsin Department of Agriculture, Trade, and Consumer Protection
WDHS	Wisconsin Department of Health Services
WDNR	Wisconsin Department of Natural Resources
WDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WCA	Wetland Conservation Act
WPDES	Wisconsin Pollution Discharge Elimination System
WRRD	Wisconsin Remediation and Redevelopment Database
XRF	x-ray fluorescence

Appendix B

Environmental Sampling Methods

ENVIRONMENTAL SAMPLING METHODS – HSA/PUSH PROBE SOIL BORINGS

Contamination Reduction

The hollow-stem auger (HSA) drill rig and down hole tooling are steam cleaned prior to mobilization. The split-spoon sampler is cleaned between samples to minimize cross contamination. The push-probe down hole tooling is steam cleaned prior to mobilization. New clear plastic liners are used for each drive, and the tooling is cleaned between borings to minimize cross contamination. The cleaning procedure consists of an alconox detergent-water wash using a brush, followed by a tapwater rinse. The alconox wash and rinse water are changed regularly – typically between borings. Certain types of projects may entail more stringent decontamination procedures.

Soil Boring Advancement and Limitations

Split-spoon soil sampling in the standard-penetration soil borings is performed using hollow-stem auger techniques in general accordance with ASTM:D1586, with a modified hammer weight calibrated by pile driving analyzer (PDA). Using this procedure, a 2" outer-diameter (OD) split-spoon soil sampler is driven into the soil by a hammer weight with 60%-65% energy of a 140-lb. weight falling 30". After an initial set of 6", the number of blows required to drive the sampler an additional 12" is known as the penetration resistance or N value, an index of the relative density of cohesionless soils and the consistency of cohesive soils. Samples are typically collected in distinct 18" or 24" depth intervals separated by 12" or 6" depth intervals, using drive rods to extend the boring deeper beneath the ground surface. The split-spoon sampler is opened to expose distinct 18" or 24" sections of soil for classification and sampling.

Soil sampling in the soil borings is performed using a Geoprobe® system. Soil borings are advanced using a vehicle-mounted, hydraulically-powered, soil probing machine, which uses static force (vehicle weight) and percussion to advance small-diameter sampling tools into the subsurface for collecting soil core, soil gas, or groundwater samples. Using this system, a 2" outer-diameter (OD) MacroCore® soil sampler containing a 1.75" OD clear plastic liner is driven into the soil in distinct 48" depth intervals, except where subsurface conditions limit the equipment to shorter drive lengths. In cases where soil recovery is poor, typically due to grain-size or moisture, a smaller "discrete" soil sampler (1.5" OD containing a 1.0" OD clear plastic liner) with a retractable piston tip may be used to collect soil in distinct 24" depth intervals. Probe rods are added to extend borings deeper beneath the surface. The plastic liner is removed from the sampler and cut lengthwise to expose discrete sections of soil for classification and sampling.

Unless actually observed, contacts between soil layers are estimated based on the spacing of samples and the action of the drilling tools. Cobbles, boulders, and other large objects generally cannot be recovered from soil borings, and may be present in the ground even if they are not noted on the boring logs. Impacted soils or buried debris may be present that are not observed due to the spacing and depths of sampling points. Best judgment determinations, based on known site conditions and past experience in similar situations, do not guarantee identification of all impacts.

Soil Classification

As the samples are obtained in the field, they are visually and manually classified by the field staff following the Unified Soil Classification (USC) system in general accordance with ASTM:D2488. Representative portions of the samples may be returned to the laboratory for further observation and for verification of the field identification. Logs of the borings are prepared indicating the depth and identification of the various strata, water level information, and other pertinent information regarding the method of maintaining and advancing the borings.

Boring logs include judgments of the geologic depositional origin. This judgment is primarily based on observations of the soil samples, which can be limited. Observations of the surrounding topography, vegetation, and development can sometimes aid this judgment. Visual/odor observations may aid in assessing impacts but are not relied on exclusively.

Soil Sample Vapor Screening

Soil samples collected directly from the soil samplers are screened with a photoionization detector (PID) for the presence of organic vapors with ionization potentials less than the lamp voltage. The PID is calibrated for direct reading in parts-per-million-volume (PPMv) of a benzene equivalent. Soil samples are collected and screened according to the bag-headspace field screening procedure, which consists of placing freshly collected soil into a polyethylene Whirl-Pak or freezer "baggie" (i.e., bag), sealing the bag to contain an air pocket (i.e., headspace), and allowing 10 to 20 minutes for vapors to disperse from the soil to the headspace. The highest reading upon inserting the PID probe into the bag

ENVIRONMENTAL SAMPLING METHODS – HSA/PUSH PROBE SOIL BORINGS

headspace – typically attained within two to five seconds of probe insertion – is recorded on the boring log. Excessive moisture, temperature extremes, ambient vapors, or other unusual field circumstances can affect screening results.

Other Field Screening

For certain sites, field screening may be conducted for additional parameters in accordance with AET's Field Screening Methods Supplemental information sheet.

Soil Sampling for Chemical Analysis

Soil samples obtained for chemical analysis are collected directly from the soil samplers and placed into laboratory-prepared containers with appropriate preservatives, according to laboratory protocols. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Water Level Measurements

The groundwater level measurements are shown at the bottom of the boring logs. The following information appears under Water Level Measurements on the logs:

- Date and time of measurement
- Sampled Depth: greatest depth of soil sampling at the time of measurement
- Casing Depth: depth to bottom of casing or hollow-stem auger at time of measurement
- Cave-in Depth: tape-measured depth of borehole
- Water Level: tape-measured depth of free water in the borehole

The true depth of the water table at the boring locations may be different from the water levels measured in the boreholes. This is possible because several factors can affect the water-level measurements in the borehole such as permeability of each soil layer in profile, presence of perched water, amount of time between water level readings, and weather conditions.

Groundwater Sampling for Chemical Analysis

Groundwater samples obtained for chemical analysis are collected directly from each borehole/temporary monitoring well by one of two techniques: (1) A new dedicated teflon bailer is lowered down the borehole/temporary monitoring well with new nylon rope or decontaminated downrigger cable; (2) Using a peristaltic pump or check-valve assembly, samples are pumped directly from the borehole/temporary monitoring well through new polyethylene tubing extended to depth through the casing. Samples are collected in laboratory-prepared containers with appropriate preservatives, according to laboratory protocols. For analyses in which field-filtering is required, samples are vacuum-filtered through a new dedicated plastic filter with 0.45- μ m pores. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Because boreholes/temporary monitoring wells are not typically in equilibrium with groundwater, results provide qualitative groundwater data. Purging additional water prior to sampling may improve the data representativeness somewhat. Monitoring wells are necessary to obtain more accurate quantitative groundwater data.

Surveying and Abandonment

Following sampling, ground surface elevations at boring locations are typically measured to the nearest 0.1 foot. If a permanent benchmark of known elevation is unavailable, the measurement is referenced to a nearby temporary benchmark given the arbitrary reference elevation of 100.0 feet. Horizontal location control is typically based on tape measurements from fixed site features. Certain types of projects may entail more stringent measures such as global positioning systems (GPS) or contracting registered surveyors.

Boreholes/temporary monitoring wells are completely backfilled with bentonite and abandoned according to procedures outlined in Chapter NR 141.25 of the Wisconsin Administrative Code A WDNR Borehole Abandonment (3300-5W) form is completed for each soil boring not completed as a monitoring well.

ENVIRONMENTAL SAMPLING METHODS – MONITORING WELLS

Contamination Reduction

The sampling downrigger and electronic water-level indicator are cleaned prior to sampling and between sampling from different monitoring wells. The cleaning procedure consists of an alconox detergent-water wash and distilled water rinse from spray dispensers. New disposable bailers are used for each well.

Monitoring Well Installation and Development

Groundwater monitoring wells and piezometers are constructed and developed in accordance with Wisconsin Administrative Code – Chapter NR 141 requirements. Monitoring Well Construction (4400-113A) and Monitoring Well Development (4400-113B) forms are completed for each well. Typically, monitoring wells are installed in hollow-stem auger (HSA) soil boreholes that have been sampled for environmental parameters.

Monitoring wells are developed by removing a minimum of three to five borehole volumes, until water appears clear.

Groundwater Elevation Measurements

Following monitoring well installation, the top-of-riser elevations are surveyed to the nearest 0.01 feet. If a permanent benchmark of known elevation is unavailable, the survey is referenced to a nearby temporary benchmark given the arbitrary reference elevation of 100.00 feet.

Groundwater elevations are determined by using an electronic water-level indicator. Measurements are obtained by lowering the probe into each well until the groundwater surface is encountered. Measurements, referenced to the top-of-riser elevations, are reported to the nearest 0.01 feet.

Groundwater Sampling for Chemical Analysis

Groundwater samples obtained for chemical analysis are collected directly from each monitoring well using a new disposable bailer lowered down the well with new nylon rope or decontaminated downrigger cable. Samples are decanted directly from the bailer into laboratory-prepared containers with appropriate preservatives. Alternatively, samples may be drawn directly from the submersible pump discharge tubing. For analyses in which field-filtering is required, samples are vacuum-filtered through a new dedicated plastic filter with 0.45- μ m pores. The samples are delivered to the analytical laboratory within prescribed holding times, accompanied by proper chain-of-custody forms.

Free Product Removal Procedures

We conducted free product removal procedure as follows:

- Remove well cover and scrape away excess dirt.
- Carefully remove test well plug, bailer, & sock from well casing. Remember that bailer and absorbent socks are tied to the plug.
- Set bailer aside and squeeze product from sock into bucket. After squeezing out sock set aside to dry.
- Measure depth to water/product with a product/groundwater interface probe. Record depth to product, groundwater, and thickness of product in feet.
- Secure bailer to rope or string and insert into well casing. Lower the bailer until contact with water table is made. Allow bailer to drop into the water for no more than one foot. Remove bailer and estimate product thickness. Empty contents of bailer into bucket and record product thickness.
- Continue to lower bailer into well and drop to the water table. Allow bailer to fill with no more than one foot of water/product. Remove bailer and empty contents into bucket. Continue fill bucket. Transfer filled buckets to drum.
- Repeat this process until thickness of free product is less than one inch. Record amount of water/product removed.
- If a groundwater sample will be collected use a new disposable bailer to obtain a water sample. Insert the bailers bottom emptying device and use to fill the appropriate sample bottle.
- Reattach string/rope to well plug, replace bailer and sock into well and cap with well plug. Replace well cover. Replace socks as needed.
- Secure cover on 55-gasllon drum.

Appendix C

WDNR Well Abandonment Form

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal	Route to DNR Bureau:		
	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment
	<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____	

1. Well Location Information	2. Facility / Owner Information
------------------------------	---------------------------------

County Clark	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name Dairi Concepts	
Latitude / Longitude (see instructions) 44.6269899 N -90.3561351 W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	
Facility ID (FID or PWS) 61005802		License/Permit/Monitoring # MW-2A		
1/4 1/4 SW 1/4 SW or Gov't Lot #		Section 23	Township 25 N	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W
Well Street Address W 888 Chili Road		Original Well Owner DFA		
Well City, Village or Town Chili		Mailing Address of Present Owner 800 W. Tampa Street		
Subdivision Name		Well ZIP Code 54420	City of Present Owner Springfield	State MO ZIP Code 65802
Reason for Removal from Service Damaged		WI Unique Well # of Replacement Well _____		

3. Filled & Sealed Well / Drillhole / Borehole Information	4. Pump, Liner, Screen, Casing & Sealing Material
--	---

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 8-9-06	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.		
<input type="checkbox"/> Borehole / Drillhole		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Formation Type: <input type="checkbox"/> Unconsolidated Formation <input checked="" type="checkbox"/> Bedrock		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips	
Total Well Depth From Ground Surface (ft.) 20	Casing Diameter (in.) 2	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	
Lower Drillhole Diameter (in.)	Casing Depth (ft.)		
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) 8.50		

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	20		

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing AET	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 5-24-17	Date Received	Noted By	
Street or Route 1837 CTH 00		Telephone Number (715) 8615045	Comments		
City Chippewa Falls	State WI	ZIP Code 54729	Signature of Person Doing Work <i>[Signature]</i>	Date Signed 5-26-17	

Appendix D

Laboratory Analytical Reports and Chains-of-Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-118785-1
Client Project/Site: Dairi Concepts - 03-05510

For:
American Engineering Testing Inc.
1837 Cty Hwy OO
Chippewa Falls, Wisconsin 54729

Attn: Mr. Michael Neal



Authorized for release by:
11/2/2016 4:02:04 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

REVIEWED

By mneal at 7:28 am, Nov 03, 2016

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

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

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



LINKS

Review your project results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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Case Narrative

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Job ID: 500-118785-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-118785-1

Comments

No additional comments.

Receipt

The samples were received on 10/19/2016 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

GC/MS VOA

Method(s) 8260B: The following samples was diluted due to the nature of the sample matrix: MW-3A (500-118785-3), MW-4R (500-118785-5), MW-5A (500-118785-6) and MW-10 (500-118785-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: MW-10 (500-118785-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC VOA

Method(s) WI-GRO: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 490-380207.

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

VOA Prep

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

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-1A

Lab Sample ID: 500-118785-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.8		1.0	0.20	ug/L	1		8260B	Total/NA
Benzene	1.9		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-2A

Lab Sample ID: 500-118785-2

No Detections.

Client Sample ID: MW-3A

Lab Sample ID: 500-118785-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1300		100	17	ug/L	100		8260B	Total/NA
1,3,5-Trimethylbenzene	370		100	17	ug/L	100		8260B	Total/NA
Benzene	3000		100	20	ug/L	100		8260B	Total/NA
Ethylbenzene	1500		100	19	ug/L	100		8260B	Total/NA
Naphthalene	400	J	500	21	ug/L	100		8260B	Total/NA
Toluene	11000		100	17	ug/L	100		8260B	Total/NA
Xylenes, Total	8100		300	58	ug/L	100		8260B	Total/NA

Client Sample ID: MW-4A

Lab Sample ID: 500-118785-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	43		0.50	0.30	ug/L	1		WDNR	Total/NA
1,3,5-Trimethylbenzene	22		0.50	0.30	ug/L	1		WDNR	Total/NA
Benzene	36		0.50	0.36	ug/L	1		WDNR	Total/NA
Ethylbenzene	53		0.50	0.37	ug/L	1		WDNR	Total/NA
Methyl tert-butyl ether	58		0.50	0.24	ug/L	1		WDNR	Total/NA
Naphthalene	32		5.0	2.4	ug/L	1		WDNR	Total/NA
Toluene	12		0.50	0.33	ug/L	1		WDNR	Total/NA
Xylenes, Total	71		1.5	0.58	ug/L	1		WDNR	Total/NA

Client Sample ID: MW-4R

Lab Sample ID: 500-118785-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1200		50	8.5	ug/L	50		8260B	Total/NA
1,3,5-Trimethylbenzene	350		50	8.5	ug/L	50		8260B	Total/NA
Benzene	700		50	10	ug/L	50		8260B	Total/NA
Ethylbenzene	1000		50	9.5	ug/L	50		8260B	Total/NA
Naphthalene	500		250	11	ug/L	50		8260B	Total/NA
Toluene	2600		50	8.5	ug/L	50		8260B	Total/NA
Xylenes, Total	3900		150	29	ug/L	50		8260B	Total/NA

Client Sample ID: MW-5A

Lab Sample ID: 500-118785-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	240		5.0	0.85	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	92		5.0	0.85	ug/L	5		8260B	Total/NA
Benzene	6.0		5.0	1.0	ug/L	5		8260B	Total/NA
Ethylbenzene	55		5.0	0.95	ug/L	5		8260B	Total/NA
Naphthalene	38		25	1.1	ug/L	5		8260B	Total/NA
Toluene	12		5.0	0.85	ug/L	5		8260B	Total/NA
Xylenes, Total	180		15	2.9	ug/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-7

Lab Sample ID: 500-118785-7

No Detections.

Client Sample ID: MW-W

Lab Sample ID: 500-118785-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.89		0.50	0.36	ug/L	1		WDNR	Total/NA

Client Sample ID: MW-E

Lab Sample ID: 500-118785-9

No Detections.

Client Sample ID: CMW-1

Lab Sample ID: 500-118785-10

No Detections.

Client Sample ID: MW-10

Lab Sample ID: 500-118785-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	930	F1	50	8.5	ug/L	50		8260B	Total/NA
1,3,5-Trimethylbenzene	2000		10	1.7	ug/L	10		8260B	Total/NA
Ethylbenzene	1700		10	1.9	ug/L	10		8260B	Total/NA
Naphthalene	820		50	2.1	ug/L	10		8260B	Total/NA
Toluene	440		10	1.7	ug/L	10		8260B	Total/NA
Xylenes, Total	1500		150	29	ug/L	50		8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-118785-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
WDNR	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-118785-1	MW-1A	Water	10/17/16 11:15	10/19/16 10:15
500-118785-2	MW-2A	Water	10/17/16 11:30	10/19/16 10:15
500-118785-3	MW-3A	Water	10/17/16 13:45	10/19/16 10:15
500-118785-4	MW-4A	Water	10/17/16 12:00	10/19/16 10:15
500-118785-5	MW-4R	Water	10/17/16 13:15	10/19/16 10:15
500-118785-6	MW-5A	Water	10/17/16 12:15	10/19/16 10:15
500-118785-7	MW-7	Water	10/17/16 11:00	10/19/16 10:15
500-118785-8	MW-W	Water	10/17/16 10:30	10/19/16 10:15
500-118785-9	MW-E	Water	10/17/16 10:30	10/19/16 10:15
500-118785-10	CMW-1	Water	10/17/16 09:50	10/19/16 10:15
500-118785-11	MW-10	Water	10/17/16 12:45	10/19/16 10:15
500-118785-12	Trip Blank	Water	10/17/16 00:00	10/19/16 10:15

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-1A

Date Collected: 10/17/16 11:15

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.17		1.0	0.17	ug/L			10/28/16 12:13	1
1,2-Dichloroethane	1.8		1.0	0.20	ug/L			10/28/16 12:13	1
1,3,5-Trimethylbenzene	<0.17		1.0	0.17	ug/L			10/28/16 12:13	1
Benzene	1.9		1.0	0.20	ug/L			10/28/16 12:13	1
Ethylbenzene	<0.19		1.0	0.19	ug/L			10/28/16 12:13	1
Methyl tert-butyl ether	<0.17		1.0	0.17	ug/L			10/28/16 12:13	1
Naphthalene	<0.21		5.0	0.21	ug/L			10/28/16 12:13	1
Toluene	<0.17		1.0	0.17	ug/L			10/28/16 12:13	1
Xylenes, Total	<0.58		3.0	0.58	ug/L			10/28/16 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		70 - 130		10/28/16 12:13	1
4-Bromofluorobenzene (Surr)	109		70 - 130		10/28/16 12:13	1
Dibromofluoromethane (Surr)	104		70 - 130		10/28/16 12:13	1
Toluene-d8 (Surr)	90		70 - 130		10/28/16 12:13	1

Client Sample ID: MW-2A

Date Collected: 10/17/16 11:30

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-2

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 17:49	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 17:49	1
Benzene	<0.36		0.50	0.36	ug/L			10/21/16 17:49	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 17:49	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 17:49	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 17:49	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 17:49	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	90		80 - 120		10/21/16 17:49	1

Client Sample ID: MW-3A

Date Collected: 10/17/16 13:45

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1300		100	17	ug/L			10/28/16 13:54	100
1,2-Dichloroethane	<20		100	20	ug/L			10/28/16 13:54	100
1,3,5-Trimethylbenzene	370		100	17	ug/L			10/28/16 13:54	100
Benzene	3000		100	20	ug/L			10/28/16 13:54	100
Ethylbenzene	1500		100	19	ug/L			10/28/16 13:54	100
Methyl tert-butyl ether	<17		100	17	ug/L			10/28/16 13:54	100
Naphthalene	400	J	500	21	ug/L			10/28/16 13:54	100
Toluene	11000		100	17	ug/L			10/28/16 13:54	100
Xylenes, Total	8100		300	58	ug/L			10/28/16 13:54	100

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-3A

Date Collected: 10/17/16 13:45

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130		10/28/16 13:54	100
4-Bromofluorobenzene (Surr)	109		70 - 130		10/28/16 13:54	100
Dibromofluoromethane (Surr)	93		70 - 130		10/28/16 13:54	100
Toluene-d8 (Surr)	95		70 - 130		10/28/16 13:54	100

Client Sample ID: MW-4A

Date Collected: 10/17/16 12:00

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-4

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	43		0.50	0.30	ug/L			10/21/16 18:21	1
1,3,5-Trimethylbenzene	22		0.50	0.30	ug/L			10/21/16 18:21	1
Benzene	36		0.50	0.36	ug/L			10/21/16 18:21	1
Ethylbenzene	53		0.50	0.37	ug/L			10/21/16 18:21	1
Methyl tert-butyl ether	58		0.50	0.24	ug/L			10/21/16 18:21	1
Naphthalene	32		5.0	2.4	ug/L			10/21/16 18:21	1
Toluene	12		0.50	0.33	ug/L			10/21/16 18:21	1
Xylenes, Total	71		1.5	0.58	ug/L			10/21/16 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	95		80 - 120		10/21/16 18:21	1

Client Sample ID: MW-4R

Date Collected: 10/17/16 13:15

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1200		50	8.5	ug/L			10/28/16 13:29	50
1,2-Dichloroethane	<10		50	10	ug/L			10/28/16 13:29	50
1,3,5-Trimethylbenzene	350		50	8.5	ug/L			10/28/16 13:29	50
Benzene	700		50	10	ug/L			10/28/16 13:29	50
Ethylbenzene	1000		50	9.5	ug/L			10/28/16 13:29	50
Methyl tert-butyl ether	<8.5		50	8.5	ug/L			10/28/16 13:29	50
Naphthalene	500		250	11	ug/L			10/28/16 13:29	50
Toluene	2600		50	8.5	ug/L			10/28/16 13:29	50
Xylenes, Total	3900		150	29	ug/L			10/28/16 13:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130		10/28/16 13:29	50
4-Bromofluorobenzene (Surr)	95		70 - 130		10/28/16 13:29	50
Dibromofluoromethane (Surr)	98		70 - 130		10/28/16 13:29	50
Toluene-d8 (Surr)	95		70 - 130		10/28/16 13:29	50

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-5A

Date Collected: 10/17/16 12:15

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	240		5.0	0.85	ug/L			10/28/16 12:38	5
1,2-Dichloroethane	<1.0		5.0	1.0	ug/L			10/28/16 12:38	5
1,3,5-Trimethylbenzene	92		5.0	0.85	ug/L			10/28/16 12:38	5
Benzene	6.0		5.0	1.0	ug/L			10/28/16 12:38	5
Ethylbenzene	55		5.0	0.95	ug/L			10/28/16 12:38	5
Methyl tert-butyl ether	<0.85		5.0	0.85	ug/L			10/28/16 12:38	5
Naphthalene	38		25	1.1	ug/L			10/28/16 12:38	5
Toluene	12		5.0	0.85	ug/L			10/28/16 12:38	5
Xylenes, Total	180		15	2.9	ug/L			10/28/16 12:38	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		70 - 130					10/28/16 12:38	5
4-Bromofluorobenzene (Surr)	93		70 - 130					10/28/16 12:38	5
Dibromofluoromethane (Surr)	106		70 - 130					10/28/16 12:38	5
Toluene-d8 (Surr)	92		70 - 130					10/28/16 12:38	5

Client Sample ID: MW-7

Date Collected: 10/17/16 11:00

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-7

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 18:53	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 18:53	1
Benzene	<0.36		0.50	0.36	ug/L			10/21/16 18:53	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 18:53	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 18:53	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 18:53	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 18:53	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		80 - 120					10/21/16 18:53	1

Client Sample ID: MW-W

Date Collected: 10/17/16 10:30

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-8

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 19:25	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 19:25	1
Benzene	0.89		0.50	0.36	ug/L			10/21/16 19:25	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 19:25	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 19:25	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 19:25	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 19:25	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		80 - 120					10/21/16 19:25	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-E

Date Collected: 10/17/16 10:30

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-9

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 19:58	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 19:58	1
Benzene	<0.36		0.50	0.36	ug/L			10/21/16 19:58	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 19:58	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 19:58	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 19:58	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 19:58	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>a,a,a-Trifluorotoluene</i>	92		80 - 120		10/21/16 19:58	1

Client Sample ID: CMW-1

Date Collected: 10/17/16 09:50

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-10

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 20:30	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 20:30	1
Benzene	<0.36		0.50	0.36	ug/L			10/21/16 20:30	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 20:30	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 20:30	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 20:30	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 20:30	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>a,a,a-Trifluorotoluene</i>	92		80 - 120		10/21/16 20:30	1

Client Sample ID: MW-10

Date Collected: 10/17/16 12:45

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	930	F1	50	8.5	ug/L			10/31/16 02:58	50
1,2-Dichloroethane	<2.0		10	2.0	ug/L			10/28/16 13:03	10
1,3,5-Trimethylbenzene	2000		10	1.7	ug/L			10/28/16 13:03	10
Benzene	<2.0		10	2.0	ug/L			10/28/16 13:03	10
Ethylbenzene	1700		10	1.9	ug/L			10/28/16 13:03	10
Methyl tert-butyl ether	<1.7		10	1.7	ug/L			10/28/16 13:03	10
Naphthalene	820		50	2.1	ug/L			10/28/16 13:03	10
Toluene	440		10	1.7	ug/L			10/28/16 13:03	10
Xylenes, Total	1500		150	29	ug/L			10/31/16 02:58	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	171	X	70 - 130		10/28/16 13:03	10
<i>1,2-Dichloroethane-d4 (Surr)</i>	92		70 - 130		10/31/16 02:58	50
<i>4-Bromofluorobenzene (Surr)</i>	134	X	70 - 130		10/28/16 13:03	10

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-10
Date Collected: 10/17/16 12:45
Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-11
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		10/31/16 02:58	50
Dibromofluoromethane (Surr)	96		70 - 130		10/28/16 13:03	10
Dibromofluoromethane (Surr)	95		70 - 130		10/31/16 02:58	50
Toluene-d8 (Surr)	94		70 - 130		10/28/16 13:03	10
Toluene-d8 (Surr)	101		70 - 130		10/31/16 02:58	50

Client Sample ID: Trip Blank
Date Collected: 10/17/16 00:00
Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-12
Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 17:16	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 17:16	1
Benzene	<0.36		0.50	0.36	ug/L			10/21/16 17:16	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 17:16	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 17:16	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 17:16	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 17:16	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		80 - 120		10/21/16 17:16	1

Definitions/Glossary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

GC/MS VOA

Analysis Batch: 381919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-118785-1	MW-1A	Total/NA	Water	8260B	
500-118785-3	MW-3A	Total/NA	Water	8260B	
500-118785-5	MW-4R	Total/NA	Water	8260B	
500-118785-6	MW-5A	Total/NA	Water	8260B	
500-118785-11	MW-10	Total/NA	Water	8260B	
MB 490-381919/7	Method Blank	Total/NA	Water	8260B	
LCS 490-381919/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-381919/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 382479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-118785-11	MW-10	Total/NA	Water	8260B	
MB 490-382479/7	Method Blank	Total/NA	Water	8260B	
LCS 490-382479/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-382479/4	Lab Control Sample Dup	Total/NA	Water	8260B	
500-118785-11 MS	MW-10	Total/NA	Water	8260B	
500-118785-11 MSD	MW-10	Total/NA	Water	8260B	

Analysis Batch: 382795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-382795/7	Method Blank	Total/NA	Water	8260B	
LCS 490-382795/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-382795/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 380207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-118785-2	MW-2A	Total/NA	Water	WDNR	
500-118785-4	MW-4A	Total/NA	Water	WDNR	
500-118785-7	MW-7	Total/NA	Water	WDNR	
500-118785-8	MW-W	Total/NA	Water	WDNR	
500-118785-9	MW-E	Total/NA	Water	WDNR	
500-118785-10	CMW-1	Total/NA	Water	WDNR	
500-118785-12	Trip Blank	Total/NA	Water	WDNR	
MB 490-380207/6	Method Blank	Total/NA	Water	WDNR	
LCS 490-380207/3	Lab Control Sample	Total/NA	Water	WDNR	
LCSD 490-380207/4	Lab Control Sample Dup	Total/NA	Water	WDNR	

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (70-130)	BFB (70-130)	DBFM (70-130)	TOL (70-130)
500-118785-1	MW-1A	115	109	104	90
500-118785-3	MW-3A	111	109	93	95
500-118785-5	MW-4R	111	95	98	95
500-118785-6	MW-5A	117	93	106	92
500-118785-11	MW-10	171 X	134 X	96	94
500-118785-11	MW-10	92	101	95	101
500-118785-11 MS	MW-10	98	105	97	102
500-118785-11 MSD	MW-10	98	105	95	103
LCS 490-381919/3	Lab Control Sample	117	100	96	92
LCS 490-382479/3	Lab Control Sample	97	99	96	103
LCS 490-382795/3	Lab Control Sample	94	102	101	101
LCSD 490-381919/4	Lab Control Sample Dup	110	97	100	90
LCSD 490-382479/4	Lab Control Sample Dup	98	99	98	101
LCSD 490-382795/4	Lab Control Sample Dup	96	101	99	100
MB 490-381919/7	Method Blank	116	108	104	92
MB 490-382479/7	Method Blank	94	102	96	100
MB 490-382795/7	Method Blank	92	103	98	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT
		(80-120)
500-118785-2	MW-2A	90
500-118785-4	MW-4A	95
500-118785-7	MW-7	89
500-118785-8	MW-W	102
500-118785-9	MW-E	92
500-118785-10	CMW-1	92
500-118785-12	Trip Blank	89
LCS 490-380207/3	Lab Control Sample	93
LCSD 490-380207/4	Lab Control Sample Dup	96
MB 490-380207/6	Method Blank	92

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Lab Sample ID: MB 490-381919/7

Matrix: Water

Analysis Batch: 381919

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.17		1.0	0.17	ug/L			10/28/16 05:30	1
1,2-Dichloroethane	<0.20		1.0	0.20	ug/L			10/28/16 05:30	1
1,3,5-Trimethylbenzene	<0.17		1.0	0.17	ug/L			10/28/16 05:30	1
Benzene	<0.20		1.0	0.20	ug/L			10/28/16 05:30	1
Ethylbenzene	<0.19		1.0	0.19	ug/L			10/28/16 05:30	1
Methyl tert-butyl ether	<0.17		1.0	0.17	ug/L			10/28/16 05:30	1
Naphthalene	<0.21		5.0	0.21	ug/L			10/28/16 05:30	1
Toluene	<0.17		1.0	0.17	ug/L			10/28/16 05:30	1
Xylenes, Total	<0.58		3.0	0.58	ug/L			10/28/16 05:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		70 - 130		10/28/16 05:30	1
4-Bromofluorobenzene (Surr)	108		70 - 130		10/28/16 05:30	1
Dibromofluoromethane (Surr)	104		70 - 130		10/28/16 05:30	1
Toluene-d8 (Surr)	92		70 - 130		10/28/16 05:30	1

Lab Sample ID: LCS 490-381919/3

Matrix: Water

Analysis Batch: 381919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	60.2		ug/L		120	70 - 130
1,3,5-Trimethylbenzene	50.0	48.3		ug/L		97	70 - 130
Benzene	50.0	47.4		ug/L		95	70 - 130
Ethylbenzene	50.0	49.3		ug/L		99	70 - 130
m,p-Xylene	50.0	49.0		ug/L		98	70 - 130
Methyl tert-butyl ether	50.0	50.5		ug/L		101	70 - 130
Naphthalene	50.0	57.0		ug/L		114	54 - 150
o-Xylene	50.0	50.4		ug/L		101	70 - 130
Toluene	50.0	46.5		ug/L		93	70 - 130
Xylenes, Total	100	99.4		ug/L		99	70 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Lab Sample ID: LCSD 490-381919/4

Matrix: Water

Analysis Batch: 381919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	50.0	45.9		ug/L		92	70 - 130	3	13
1,2-Dichloroethane	50.0	55.1		ug/L		110	70 - 130	9	13
1,3,5-Trimethylbenzene	50.0	46.6		ug/L		93	70 - 130	4	14

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Lab Sample ID: LCSD 490-381919/4
Matrix: Water
Analysis Batch: 381919

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	45.3		ug/L		91	70 - 130	4	12
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130	3	12
m,p-Xylene	50.0	48.3		ug/L		97	70 - 130	1	12
Methyl tert-butyl ether	50.0	54.2		ug/L		108	70 - 130	7	16
Naphthalene	50.0	56.5		ug/L		113	54 - 150	1	15
o-Xylene	50.0	49.5		ug/L		99	70 - 130	2	11
Toluene	50.0	42.9		ug/L		86	70 - 130	8	13
Xylenes, Total	100	97.8		ug/L		98	70 - 132	2	11

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Lab Sample ID: MB 490-382479/7
Matrix: Water
Analysis Batch: 382479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.17		1.0	0.17	ug/L			10/30/16 20:06	1
1,2-Dichloroethane	<0.20		1.0	0.20	ug/L			10/30/16 20:06	1
1,3,5-Trimethylbenzene	<0.17		1.0	0.17	ug/L			10/30/16 20:06	1
Benzene	<0.20		1.0	0.20	ug/L			10/30/16 20:06	1
Ethylbenzene	<0.19		1.0	0.19	ug/L			10/30/16 20:06	1
Methyl tert-butyl ether	<0.17		1.0	0.17	ug/L			10/30/16 20:06	1
Naphthalene	<0.21		5.0	0.21	ug/L			10/30/16 20:06	1
Toluene	<0.17		1.0	0.17	ug/L			10/30/16 20:06	1
Xylenes, Total	<0.58		3.0	0.58	ug/L			10/30/16 20:06	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/30/16 20:06	1
4-Bromofluorobenzene (Surr)	102		70 - 130		10/30/16 20:06	1
Dibromofluoromethane (Surr)	96		70 - 130		10/30/16 20:06	1
Toluene-d8 (Surr)	100		70 - 130		10/30/16 20:06	1

Lab Sample ID: LCS 490-382479/3
Matrix: Water
Analysis Batch: 382479

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	20.0	20.0		ug/L		100	70 - 130
1,2-Dichloroethane	20.0	20.2		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	20.0	19.0		ug/L		95	70 - 130
Benzene	20.0	19.8		ug/L		99	70 - 130
Ethylbenzene	20.0	19.4		ug/L		97	70 - 130
m,p-Xylene	20.0	19.2		ug/L		96	70 - 130
Methyl tert-butyl ether	20.0	21.4		ug/L		107	70 - 130

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Lab Sample ID: LCS 490-382479/3
Matrix: Water
Analysis Batch: 382479

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	20.0	22.0		ug/L		110	54 - 150
o-Xylene	20.0	19.3		ug/L		96	70 - 130
Toluene	20.0	20.1		ug/L		101	70 - 130
Xylenes, Total	40.0	38.5		ug/L		96	70 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 490-382479/4
Matrix: Water
Analysis Batch: 382479

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	20.0	19.6		ug/L		98	70 - 130	2	13
1,2-Dichloroethane	20.0	20.5		ug/L		102	70 - 130	1	13
1,3,5-Trimethylbenzene	20.0	18.9		ug/L		95	70 - 130	1	14
Benzene	20.0	19.3		ug/L		97	70 - 130	2	12
Ethylbenzene	20.0	19.4		ug/L		97	70 - 130	0	12
m,p-Xylene	20.0	18.9		ug/L		94	70 - 130	2	12
Methyl tert-butyl ether	20.0	21.5		ug/L		108	70 - 130	1	16
Naphthalene	20.0	22.2		ug/L		111	54 - 150	1	15
o-Xylene	20.0	19.2		ug/L		96	70 - 130	0	11
Toluene	20.0	19.8		ug/L		99	70 - 130	2	13
Xylenes, Total	40.0	38.1		ug/L		95	70 - 132	1	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: 500-118785-11 MS
Matrix: Water
Analysis Batch: 382479

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	930	F1	2500	4930	F1	ug/L		160	64 - 136
1,2-Dichloroethane	<10		2500	2360		ug/L		94	64 - 136
1,3,5-Trimethylbenzene	250		2500	3120		ug/L		115	69 - 139
Benzene	74		2500	2490		ug/L		97	55 - 147
Ethylbenzene	620		2500	3380		ug/L		111	65 - 139
m,p-Xylene	1200		2500	4160		ug/L		118	70 - 130
Methyl tert-butyl ether	<8.5		2500	2410		ug/L		96	55 - 141
Naphthalene	200	J	2500	2810		ug/L		104	32 - 150
o-Xylene	250		2500	2710		ug/L		98	70 - 131

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Lab Sample ID: 500-118785-11 MS

Client Sample ID: MW-10

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 382479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	350		2500	2930		ug/L		103	64 - 136
Xylenes, Total	1500		5000	6870		ug/L		108	69 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 500-118785-11 MSD

Client Sample ID: MW-10

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 382479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	930	F1	2500	4890	F1	ug/L		159	64 - 136	1	18
1,2-Dichloroethane	<10		2500	2430		ug/L		97	64 - 136	3	22
1,3,5-Trimethylbenzene	250		2500	3140		ug/L		115	69 - 139	0	17
Benzene	74		2500	2520		ug/L		98	55 - 147	1	22
Ethylbenzene	620		2500	3400		ug/L		111	65 - 139	1	18
m,p-Xylene	1200		2500	4180		ug/L		119	70 - 130	0	17
Methyl tert-butyl ether	<8.5		2500	2460		ug/L		98	55 - 141	2	24
Naphthalene	200	J	2500	2820		ug/L		105	32 - 150	0	40
o-Xylene	250		2500	2720		ug/L		99	70 - 131	0	17
Toluene	350		2500	2960		ug/L		104	64 - 136	1	18
Xylenes, Total	1500		5000	6900		ug/L		109	69 - 132	0	17

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: MB 490-382795/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 382795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.17		1.0	0.17	ug/L			11/01/16 02:16	1
1,2-Dichloroethane	<0.20		1.0	0.20	ug/L			11/01/16 02:16	1
1,3,5-Trimethylbenzene	<0.17		1.0	0.17	ug/L			11/01/16 02:16	1
Benzene	<0.20		1.0	0.20	ug/L			11/01/16 02:16	1
Ethylbenzene	<0.19		1.0	0.19	ug/L			11/01/16 02:16	1
Methyl tert-butyl ether	<0.17		1.0	0.17	ug/L			11/01/16 02:16	1
Naphthalene	<0.21		5.0	0.21	ug/L			11/01/16 02:16	1
Toluene	<0.17		1.0	0.17	ug/L			11/01/16 02:16	1
Xylenes, Total	<0.58		3.0	0.58	ug/L			11/01/16 02:16	1

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Lab Sample ID: MB 490-382795/7

Matrix: Water

Analysis Batch: 382795

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130		11/01/16 02:16	1
4-Bromofluorobenzene (Surr)	103		70 - 130		11/01/16 02:16	1
Dibromofluoromethane (Surr)	98		70 - 130		11/01/16 02:16	1
Toluene-d8 (Surr)	102		70 - 130		11/01/16 02:16	1

Lab Sample ID: LCS 490-382795/3

Matrix: Water

Analysis Batch: 382795

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	20.0	19.5		ug/L		97	70 - 130
1,2-Dichloroethane	20.0	18.7		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	20.0	19.1		ug/L		96	70 - 130
Benzene	20.0	19.1		ug/L		96	70 - 130
Ethylbenzene	20.0	18.9		ug/L		94	70 - 130
m,p-Xylene	20.0	18.8		ug/L		94	70 - 130
Methyl tert-butyl ether	20.0	22.2		ug/L		111	70 - 130
Naphthalene	20.0	18.1		ug/L		90	54 - 150
o-Xylene	20.0	18.9		ug/L		94	70 - 130
Toluene	20.0	19.1		ug/L		96	70 - 130
Xylenes, Total	40.0	37.7		ug/L		94	70 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 490-382795/4

Matrix: Water

Analysis Batch: 382795

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	20.0	21.4		ug/L		107	70 - 130	10	13
1,2-Dichloroethane	20.0	21.1		ug/L		106	70 - 130	12	13
1,3,5-Trimethylbenzene	20.0	20.7		ug/L		103	70 - 130	8	14
Benzene	20.0	21.0		ug/L		105	70 - 130	9	12
Ethylbenzene	20.0	20.6		ug/L		103	70 - 130	9	12
m,p-Xylene	20.0	20.3		ug/L		102	70 - 130	8	12
Methyl tert-butyl ether	20.0	23.7		ug/L		119	70 - 130	7	16
Naphthalene	20.0	19.8		ug/L		99	54 - 150	9	15
o-Xylene	20.0	20.5		ug/L		102	70 - 130	8	11
Toluene	20.0	21.3		ug/L		106	70 - 130	11	13
Xylenes, Total	40.0	40.8		ug/L		102	70 - 132	8	11

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

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

Lab Sample ID: LCSD 490-382795/4
 Matrix: Water
 Analysis Batch: 382795

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

Surrogate	LCS D %Recovery	LCS D Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: MB 490-380207/6
 Matrix: Water
 Analysis Batch: 380207

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 16:44	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			10/21/16 16:44	1
Benzene	<0.36		0.50	0.36	ug/L			10/21/16 16:44	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			10/21/16 16:44	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			10/21/16 16:44	1
Naphthalene	<2.4		5.0	2.4	ug/L			10/21/16 16:44	1
Toluene	<0.33		0.50	0.33	ug/L			10/21/16 16:44	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			10/21/16 16:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	92		80 - 120		10/21/16 16:44	1

Lab Sample ID: LCS 490-380207/3
 Matrix: Water
 Analysis Batch: 380207

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	20.0	18.2		ug/L		91	60 - 131
1,3,5-Trimethylbenzene	20.0	18.2		ug/L		91	70 - 130
Benzene	20.0	19.3		ug/L		96	69 - 129
Ethylbenzene	20.0	18.6		ug/L		93	70 - 130
Methyl tert-butyl ether	20.0	16.8		ug/L		84	57 - 138
Naphthalene	20.0	14.9		ug/L		75	69 - 133
Toluene	20.0	18.8		ug/L		94	66 - 127
Xylenes, Total	60.0	56.3		ug/L		94	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	93		80 - 120

Lab Sample ID: LCSD 490-380207/4
 Matrix: Water
 Analysis Batch: 380207

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	20.0	18.7		ug/L		93	60 - 131	2	43
1,3,5-Trimethylbenzene	20.0	18.7		ug/L		93	70 - 130	2	20

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 490-380207/4
 Matrix: Water
 Analysis Batch: 380207

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	20.0	19.7		ug/L		98	69 - 129	2	33
Ethylbenzene	20.0	18.8		ug/L		94	70 - 130	1	35
Methyl tert-butyl ether	20.0	16.9		ug/L		85	57 - 138	0	40
Naphthalene	20.0	15.2		ug/L		76	69 - 133	2	48
Toluene	20.0	19.4		ug/L		97	66 - 127	3	34
Xylenes, Total	60.0	57.9		ug/L		97		3	

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
<i>a,a,a</i> -Trifluorotoluene	96		80 - 120

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Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-1A

Date Collected: 10/17/16 11:15

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	381919	10/28/16 12:13	BBR	TAL NSH

Client Sample ID: MW-2A

Date Collected: 10/17/16 11:30

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 17:49	A1B	TAL NSH

Client Sample ID: MW-3A

Date Collected: 10/17/16 13:45

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	381919	10/28/16 13:54	BBR	TAL NSH

Client Sample ID: MW-4A

Date Collected: 10/17/16 12:00

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 18:21	A1B	TAL NSH

Client Sample ID: MW-4R

Date Collected: 10/17/16 13:15

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	381919	10/28/16 13:29	BBR	TAL NSH

Client Sample ID: MW-5A

Date Collected: 10/17/16 12:15

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	381919	10/28/16 12:38	BBR	TAL NSH

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Client Sample ID: MW-7

Date Collected: 10/17/16 11:00

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 18:53	A1B	TAL NSH

Client Sample ID: MW-W

Date Collected: 10/17/16 10:30

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 19:25	A1B	TAL NSH

Client Sample ID: MW-E

Date Collected: 10/17/16 10:30

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 19:58	A1B	TAL NSH

Client Sample ID: CMW-1

Date Collected: 10/17/16 09:50

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 20:30	A1B	TAL NSH

Client Sample ID: MW-10

Date Collected: 10/17/16 12:45

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	381919	10/28/16 13:03	BBR	TAL NSH
Total/NA	Analysis	8260B		50	382479	10/31/16 02:58	AK1	TAL NSH

Client Sample ID: Trip Blank

Date Collected: 10/17/16 00:00

Date Received: 10/19/16 10:15

Lab Sample ID: 500-118785-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	380207	10/21/16 17:16	A1B	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TestAmerica Chicago

Certification Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-118785-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	998020430	08-31-17

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THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-Mail: _____

Bill To (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# 18174003

Chain of Custody Record

Lab Job #: 500-118785
 Chain of Custody Number: _____
 Page 1 of 2
 Temperature °C of Cooler: 4.6

Client		Client Project #		Preservative		Parameter		Project Location/State		Lab Project #		Sampler		Lab PM		Preservative Key		
<u>AET</u>		<u>03-05510</u>		<u>1 1</u>		<u>PVOC + 1,2-DCA + Naphthalene</u>		<u>Chili, WI</u>				<u>Michael K. Neal</u>		<u>Sandra F.</u>		1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° Cool to 4° Cool to 4°		
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	PVOC + 1,2-DCA + Naphthalene	PVOC + Naphthalene									500-118785 COC	Comments
			Date	Time														
1		<u>MW-1A</u>	<u>10-17-16</u>	<u>11:15</u>	<u>3</u>	<u>W</u>	<u>X</u>											
2		<u>MW-2A</u>		<u>11:30</u>	<u>3</u>	<u>W</u>		<u>X</u>										
3		<u>MW-3A</u>		<u>13:45</u>	<u>3</u>	<u>W</u>	<u>X</u>											
4		<u>MW-4A</u>		<u>12:00</u>	<u>3</u>	<u>W</u>		<u>X</u>										
5		<u>MW-4R</u>		<u>13:15</u>	<u>3</u>	<u>W</u>	<u>X</u>											
6		<u>MW-5A</u>		<u>12:15</u>	<u>3</u>	<u>W</u>	<u>X</u>											
7		<u>MW-7</u>		<u>11:00</u>	<u>3</u>	<u>W</u>		<u>X</u>										
8		<u>MW-W</u>		<u>10:30</u>	<u>3</u>	<u>W</u>		<u>X</u>										

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days X 15 Days ___ Other
 Requested Due Date: _____
 Sample Disposal: Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>AET</u> Date: <u>10-18-16</u> Time: <u>15:00</u>	Received By: <u>Fedt</u> Company: _____ Date: _____ Time: _____	Lab Courier: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: <u>[Signature]</u> Company: <u>TACHE</u> Date: <u>10/18/16</u> Time: <u>1015</u>	Shipped: <u>FX STD</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
PECEA

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-Mail: _____

Bill To (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# 18174003

Chain of Custody Record

Lab Job #: 500-118785

Chain of Custody Number: _____

Page 2 of 2

Temperature °C of Cooler: 4.6

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Name		Lab Project #		Sampling		Matrix		Comments		
Project Location/State		Lab Project #		Date	Time	# of Containers	Matrix			
Sampler		Lab PM								
AET		03-05510								
Darti Concepts										
Chili, WI										
Michael K. Neal		Smdie F								
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix				
01		MW-E	10-17-16	10:30	3	W				
10		CMW-1	I	9:50	3	W				
11		MW-10		12:45	3	W	X			
12		Trip Blank		-	-	1	W			

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days 15 Days ___ Other

Sample Disposal

Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>Michael Neal</u>	Company: <u>AET</u>	Date: <u>10-18-16</u>	Time: <u>15:00</u>	Received By: <u>Fed +</u>	Company: _____	Date: _____	Time: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: <u>David Samoy</u>	Company: <u>TAUML</u>	Date: <u>10/19/16</u>	Time: <u>10:15</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: _____

Shipped: FX STD

Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
DECTA

Lab Comments:

ORIGIN ID:EAUA (715) 861-5045
MICHAEL NEAL
1837 COUNTY HIGHWAY OO
CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 18OCT16
ACTWGT: 20.00 LB
CAD: 104342606/INET3790

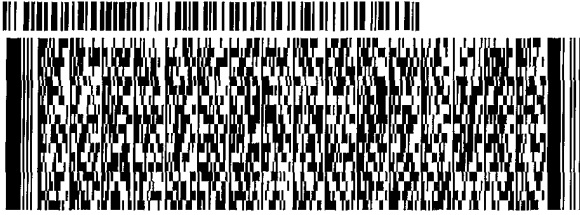
BILL THIRD PARTY

TO **SAMPLE RECEIPT**
TEST AMERICA
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 534-5200 REF:
INV: DEPT:
PO:

544,31FB214EB



3182016101201ur



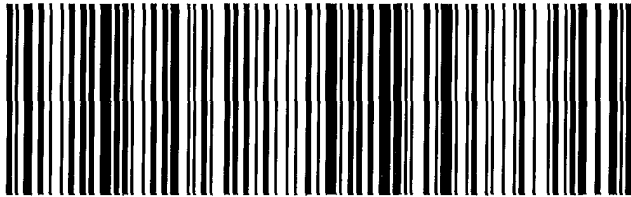
500-118785 Waybill

TRK# 7774 9840 3467
0201

WED - 19 OCT 3:00P
STANDARD OVERNIGHT

NA JOTA

60484
IL-US ORD



After printing this label:

1. Use the 'Print' button on this page to print your label to your las.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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Nashville, TN

COOLER RECEIPT FORM



500-118785 Chain of Custody

Cooler Received/Opened On 10/20/2016 @ 0920

Time Samples Removed From Cooler 14 11 37 Time Samples Placed In Storage 1535 (2 Hour Window)

1. Tracking # 2555 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot HCS81117 Chlorine Strip Lot 061316v

2. Temperature of rep. sample or temp blank when opened: 1.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: 2 Front & Back

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) SW

7. Were custody seals on containers: YES NO and Intact YES..NO NA

Were these signed and dated correctly? YES..NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..NO NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) AT

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) HG

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) HG

I certify that I attached a label with the unique LIMS number to each container (initial) HG

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES..NO NO..# _____

TestAmerica Chicago

2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

Loc: 500
118785



Client Information (Sub Contract Lab)

Client Contact: **TestAmerica Laboratories, Inc**
Shipping/Receiving

Sampler: Lab PM: Fredrick, Sandie J
Phone: E-Mail: sandie.fredrick@testamericainc.com
State Program - Wisconsin

Job #: 500-118785-1
Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsH2O2, P - Na2OAS, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4.5, Z - other (Specify)
Other:

Address: 2960 Foster Creighton Drive, Nashville, TN, 37204
City: Nashville
State, Zip: TN, 37204
Phone: 615-726-0177(Tel) 615-726-3404(Fax)
Email: WO #

Due Date Requested: 10/27/2016
TAT Requested (days):
Project #: 50007204
SSOW#:

Analysis Requested
Job #: 500-118785-1
1 of 2

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
MMW-1A (500-118785-1)	10/17/16	11:15	Central	Water	X	8260B/5030B PVOC+NAP+1,2-DCA		3	
MMW-2A (500-118785-2)	10/17/16	11:30	Central	Water	X	W1_GRO/5030B PVOC+NAP		3	
MMW-3A (500-118785-3)	10/17/16	13:45	Central	Water	X			3	
MMW-4A (500-118785-4)	10/17/16	12:00	Central	Water	X			3	
MMW-4R (500-118785-5)	10/17/16	13:15	Central	Water	X			3	
MMW-5A (500-118785-6)	10/17/16	12:15	Central	Water	X			3	
MMW-7 (500-118785-7)	10/17/16	11:00	Central	Water	X			3	
MMW-W (500-118785-8)	10/17/16	10:30	Central	Water	X			3	
MMW-E (500-118785-9)	10/17/16	10:30	Central	Water	X			3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (Specify)
Primary Deliverable Rank: 2
Special Instructions/QC Requirements:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: _____ Date/Time: 10/19/16 1530 Company: TA Received by: _____ Date/Time: 10/20/16 0920 Company: TA

Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____

Login Sample Receipt Checklist

Client: American Engineering Testing Inc.

Job Number: 500-118785-1

Login Number: 118785**List Source: TestAmerica Chicago****List Number: 1****Creator: Sanchez, Ariel M**

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with acct. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: American Engineering Testing Inc.

Job Number: 500-118785-1

Login Number: 118785**List Number: 2****Creator: Gundi, Hozar K****List Source: TestAmerica Nashville****List Creation: 10/20/16 03:51 PM**

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

Login Sample Receipt Checklist

Client: American Engineering Testing Inc.

Job Number: 500-118785-1

Login Number: 118785**List Number: 3****Creator: Gundi, Hozar K****List Source: TestAmerica Nashville****List Creation: 10/20/16 03:53 PM**

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

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-125589-1

Client Project/Site: Dairi Concepts - 03-05510

For:

American Engineering Testing Inc.

1837 Cty Hwy OO

Chippewa Falls, Wisconsin 54729

Attn: Mr. Michael Neal



Authorized for release by:

4/7/2017 4:35:52 PM

Sandie Fredrick, Project Manager II

(920)261-1660

sandie.fredrick@testamericainc.com

APPROVED

By mneal at 2:30 pm, Apr 10, 2017

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

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

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



LINKS

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TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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Case Narrative

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Job ID: 500-125589-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-125589-1

Comments

No additional comments.

Receipt

The samples were received on 3/24/2017 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

GC/MS VOA

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

- 1
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Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-1A

Lab Sample ID: 500-125589-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	3.5		1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	4.2		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-2A

Lab Sample ID: 500-125589-2

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 500-125589-3

No Detections.

Client Sample ID: MW-3A

Lab Sample ID: 500-125589-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1400		20	7.2	ug/L	20		8260B	Total/NA
1,2-Dibromoethane (EDB)	56		20	7.7	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	390		20	5.1	ug/L	20		8260B	Total/NA
Benzene	2900		10	2.9	ug/L	20		8260B	Total/NA
Ethylbenzene	1200		10	3.7	ug/L	20		8260B	Total/NA
Naphthalene	260		20	6.7	ug/L	20		8260B	Total/NA
Toluene - DL	11000		100	30	ug/L	200		8260B	Total/NA
Xylenes, Total - DL	6300		200	44	ug/L	200		8260B	Total/NA

Client Sample ID: MW-4A

Lab Sample ID: 500-125589-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	33		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	21		1.0	0.25	ug/L	1		8260B	Total/NA
Benzene	13		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	34		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	5.9		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	6.4		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	42		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-4R

Lab Sample ID: 500-125589-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	290		5.0	1.3	ug/L	5		8260B	Total/NA
Benzene	740		2.5	0.73	ug/L	5		8260B	Total/NA
Naphthalene	190		5.0	1.7	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1000		50	18	ug/L	50		8260B	Total/NA
Ethylbenzene - DL	1100		25	9.2	ug/L	50		8260B	Total/NA
Toluene - DL	2400		25	7.6	ug/L	50		8260B	Total/NA
Xylenes, Total - DL	4000		50	11	ug/L	50		8260B	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 500-125589-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	15		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.44	J	1.0	0.25	ug/L	1		8260B	Total/NA
Benzene	3.5		0.50	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-5 (Continued)

Lab Sample ID: 500-125589-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.7		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	2.4		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.26	J	0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	17		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5A

Lab Sample ID: 500-125589-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	950		5.0	1.8	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	440		5.0	1.3	ug/L	5		8260B	Total/NA
Benzene	51		2.5	0.73	ug/L	5		8260B	Total/NA
Ethylbenzene	470		2.5	0.92	ug/L	5		8260B	Total/NA
Naphthalene	110		5.0	1.7	ug/L	5		8260B	Total/NA
Toluene	120		2.5	0.76	ug/L	5		8260B	Total/NA
Xylenes, Total - DL	330		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 500-125589-9

No Detections.

Client Sample ID: MW-6A

Lab Sample ID: 500-125589-10

No Detections.

Client Sample ID: MW-7

Lab Sample ID: 500-125589-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.95	J	1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	0.72		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-7A

Lab Sample ID: 500-125589-12

No Detections.

Client Sample ID: PZ-7

Lab Sample ID: 500-125589-13

No Detections.

Client Sample ID: MW-9

Lab Sample ID: 500-125589-14

No Detections.

Client Sample ID: MW-10

Lab Sample ID: 500-125589-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	740		5.0	1.8	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	220		5.0	1.3	ug/L	5		8260B	Total/NA
Benzene	54		2.5	0.73	ug/L	5		8260B	Total/NA
Ethylbenzene	590		2.5	0.92	ug/L	5		8260B	Total/NA
Naphthalene	97		5.0	1.7	ug/L	5		8260B	Total/NA
Toluene	420		2.5	0.76	ug/L	5		8260B	Total/NA
Xylenes, Total - DL	1300		50	11	ug/L	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-E

Lab Sample ID: 500-125589-16

No Detections.

Client Sample ID: MW-W

Lab Sample ID: 500-125589-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: CMW-1

Lab Sample ID: 500-125589-18

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 500-125589-19

No Detections.

This Detection Summary does not include radiochemical test results.



Method Summary

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-125589-1	MW-1A	Water	03/22/17 13:00	03/24/17 08:45
500-125589-2	MW-2A	Water	03/22/17 13:15	03/24/17 08:45
500-125589-3	MW-3	Water	03/22/17 10:00	03/24/17 08:45
500-125589-4	MW-3A	Water	03/22/17 15:45	03/24/17 08:45
500-125589-5	MW-4A	Water	03/22/17 14:30	03/24/17 08:45
500-125589-6	MW-4R	Water	03/22/17 14:45	03/24/17 08:45
500-125589-7	MW-5	Water	03/22/17 12:45	03/24/17 08:45
500-125589-8	MW-5A	Water	03/22/17 14:00	03/24/17 08:45
500-125589-9	MW-6	Water	03/22/17 11:00	03/24/17 08:45
500-125589-10	MW-6A	Water	03/22/17 11:45	03/24/17 08:45
500-125589-11	MW-7	Water	03/22/17 10:15	03/24/17 08:45
500-125589-12	MW-7A	Water	03/22/17 12:00	03/24/17 08:45
500-125589-13	PZ-7	Water	03/22/17 10:30	03/24/17 08:45
500-125589-14	MW-9	Water	03/22/17 09:45	03/24/17 08:45
500-125589-15	MW-10	Water	03/22/17 15:15	03/24/17 08:45
500-125589-16	MW-E	Water	03/22/17 12:15	03/24/17 08:45
500-125589-17	MW-W	Water	03/22/17 12:30	03/24/17 08:45
500-125589-18	CMW-1	Water	03/22/17 11:15	03/24/17 08:45
500-125589-19	Trip Blank	Water	03/22/17 00:00	03/24/17 08:45

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-1A

Date Collected: 03/22/17 13:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 00:59	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 00:59	1
1,2-Dichloroethane	3.5		1.0	0.39	ug/L			04/05/17 00:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 00:59	1
Benzene	4.2		0.50	0.15	ug/L			04/05/17 00:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 00:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 00:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 00:59	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 00:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 127		04/05/17 00:59	1
4-Bromofluorobenzene (Surr)	119		71 - 120		04/05/17 00:59	1
Dibromofluoromethane	94		70 - 120		04/05/17 00:59	1
Toluene-d8 (Surr)	98		75 - 120		04/05/17 00:59	1

Client Sample ID: MW-2A

Date Collected: 03/22/17 13:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 01:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 01:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 01:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 01:24	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 01:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 01:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 01:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 01:24	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 01:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 127		04/05/17 01:24	1
4-Bromofluorobenzene (Surr)	119		71 - 120		04/05/17 01:24	1
Dibromofluoromethane	94		70 - 120		04/05/17 01:24	1
Toluene-d8 (Surr)	99		75 - 120		04/05/17 01:24	1

Client Sample ID: MW-3

Date Collected: 03/22/17 10:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 01:51	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 01:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 01:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 01:51	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-3

Date Collected: 03/22/17 10:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 01:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 01:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 01:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 01:51	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 01:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		71 - 127		04/05/17 01:51	1
4-Bromofluorobenzene (Surr)	116		71 - 120		04/05/17 01:51	1
Dibromofluoromethane	95		70 - 120		04/05/17 01:51	1
Toluene-d8 (Surr)	100		75 - 120		04/05/17 01:51	1

Client Sample ID: MW-3A

Date Collected: 03/22/17 15:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1400		20	7.2	ug/L			04/05/17 07:55	20
1,2-Dibromoethane (EDB)	56		20	7.7	ug/L			04/05/17 07:55	20
1,2-Dichloroethane	<7.8		20	7.8	ug/L			04/05/17 07:55	20
1,3,5-Trimethylbenzene	390		20	5.1	ug/L			04/05/17 07:55	20
Benzene	2900		10	2.9	ug/L			04/05/17 07:55	20
Ethylbenzene	1200		10	3.7	ug/L			04/05/17 07:55	20
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			04/05/17 07:55	20
Naphthalene	260		20	6.7	ug/L			04/05/17 07:55	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		71 - 127		04/05/17 07:55	20
4-Bromofluorobenzene (Surr)	104		71 - 120		04/05/17 07:55	20
Dibromofluoromethane	84		70 - 120		04/05/17 07:55	20
Toluene-d8 (Surr)	108		75 - 120		04/05/17 07:55	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	11000		100	30	ug/L			04/05/17 08:22	200
Xylenes, Total	6300		200	44	ug/L			04/05/17 08:22	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 127		04/05/17 08:22	200
4-Bromofluorobenzene (Surr)	107		71 - 120		04/05/17 08:22	200
Dibromofluoromethane	85		70 - 120		04/05/17 08:22	200
Toluene-d8 (Surr)	107		75 - 120		04/05/17 08:22	200

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-4A

Date Collected: 03/22/17 14:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	33		1.0	0.36	ug/L			04/05/17 04:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 04:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 04:46	1
1,3,5-Trimethylbenzene	21		1.0	0.25	ug/L			04/05/17 04:46	1
Benzene	13		0.50	0.15	ug/L			04/05/17 04:46	1
Ethylbenzene	34		0.50	0.18	ug/L			04/05/17 04:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 04:46	1
Naphthalene	5.9		1.0	0.34	ug/L			04/05/17 04:46	1
Toluene	6.4		0.50	0.15	ug/L			04/05/17 04:46	1
Xylenes, Total	42		1.0	0.22	ug/L			04/05/17 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 127					04/05/17 04:46	1
4-Bromofluorobenzene (Surr)	104		71 - 120					04/05/17 04:46	1
Dibromofluoromethane	85		70 - 120					04/05/17 04:46	1
Toluene-d8 (Surr)	107		75 - 120					04/05/17 04:46	1

Client Sample ID: MW-4R

Date Collected: 03/22/17 14:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<1.9		5.0	1.9	ug/L			04/05/17 06:08	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/05/17 06:08	5
1,3,5-Trimethylbenzene	290		5.0	1.3	ug/L			04/05/17 06:08	5
Benzene	740		2.5	0.73	ug/L			04/05/17 06:08	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/05/17 06:08	5
Naphthalene	190		5.0	1.7	ug/L			04/05/17 06:08	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		71 - 127					04/05/17 06:08	5
4-Bromofluorobenzene (Surr)	102		71 - 120					04/05/17 06:08	5
Dibromofluoromethane	84		70 - 120					04/05/17 06:08	5
Toluene-d8 (Surr)	108		75 - 120					04/05/17 06:08	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1000		50	18	ug/L			04/05/17 06:34	50
Ethylbenzene	1100		25	9.2	ug/L			04/05/17 06:34	50
Toluene	2400		25	7.6	ug/L			04/05/17 06:34	50
Xylenes, Total	4000		50	11	ug/L			04/05/17 06:34	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 127					04/05/17 06:34	50
4-Bromofluorobenzene (Surr)	107		71 - 120					04/05/17 06:34	50
Dibromofluoromethane	85		70 - 120					04/05/17 06:34	50
Toluene-d8 (Surr)	109		75 - 120					04/05/17 06:34	50

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-5

Date Collected: 03/22/17 12:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	15		1.0	0.36	ug/L			04/05/17 01:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 01:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 01:08	1
1,3,5-Trimethylbenzene	0.44	J	1.0	0.25	ug/L			04/05/17 01:08	1
Benzene	3.5		0.50	0.15	ug/L			04/05/17 01:08	1
Ethylbenzene	1.7		0.50	0.18	ug/L			04/05/17 01:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 01:08	1
Naphthalene	2.4		1.0	0.34	ug/L			04/05/17 01:08	1
Toluene	0.26	J	0.50	0.15	ug/L			04/05/17 01:08	1
Xylenes, Total	17		1.0	0.22	ug/L			04/05/17 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		71 - 127					04/05/17 01:08	1
4-Bromofluorobenzene (Surr)	107		71 - 120					04/05/17 01:08	1
Dibromofluoromethane	85		70 - 120					04/05/17 01:08	1
Toluene-d8 (Surr)	108		75 - 120					04/05/17 01:08	1

Client Sample ID: MW-5A

Date Collected: 03/22/17 14:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	950		5.0	1.8	ug/L			04/05/17 05:14	5
1,2-Dibromoethane (EDB)	<1.9		5.0	1.9	ug/L			04/05/17 05:14	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/05/17 05:14	5
1,3,5-Trimethylbenzene	440		5.0	1.3	ug/L			04/05/17 05:14	5
Benzene	51		2.5	0.73	ug/L			04/05/17 05:14	5
Ethylbenzene	470		2.5	0.92	ug/L			04/05/17 05:14	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/05/17 05:14	5
Naphthalene	110		5.0	1.7	ug/L			04/05/17 05:14	5
Toluene	120		2.5	0.76	ug/L			04/05/17 05:14	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		71 - 127					04/05/17 05:14	5
4-Bromofluorobenzene (Surr)	106		71 - 120					04/05/17 05:14	5
Dibromofluoromethane	82		70 - 120					04/05/17 05:14	5
Toluene-d8 (Surr)	108		75 - 120					04/05/17 05:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	330		10	2.2	ug/L			04/05/17 05:41	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		71 - 127					04/05/17 05:41	10
4-Bromofluorobenzene (Surr)	107		71 - 120					04/05/17 05:41	10
Dibromofluoromethane	84		70 - 120					04/05/17 05:41	10
Toluene-d8 (Surr)	108		75 - 120					04/05/17 05:41	10

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-6

Date Collected: 03/22/17 11:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 02:16	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 02:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 02:16	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 02:16	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 02:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 02:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 02:16	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 02:16	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 02:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127					04/05/17 02:16	1
4-Bromofluorobenzene (Surr)	115		71 - 120					04/05/17 02:16	1
Dibromofluoromethane	94		70 - 120					04/05/17 02:16	1
Toluene-d8 (Surr)	100		75 - 120					04/05/17 02:16	1

Client Sample ID: MW-6A

Date Collected: 03/22/17 11:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 02:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 02:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 02:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 02:42	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 02:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 02:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 02:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 02:42	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 02:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127					04/05/17 02:42	1
4-Bromofluorobenzene (Surr)	116		71 - 120					04/05/17 02:42	1
Dibromofluoromethane	93		70 - 120					04/05/17 02:42	1
Toluene-d8 (Surr)	99		75 - 120					04/05/17 02:42	1

Client Sample ID: MW-7

Date Collected: 03/22/17 10:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 02:03	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 02:03	1
1,2-Dichloroethane	0.95	J	1.0	0.39	ug/L			04/05/17 02:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 02:03	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-7

Date Collected: 03/22/17 10:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.72		0.50	0.15	ug/L			04/05/17 02:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 02:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 02:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 02:03	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 02:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 127		04/05/17 02:03	1
4-Bromofluorobenzene (Surr)	110		71 - 120		04/05/17 02:03	1
Dibromofluoromethane	83		70 - 120		04/05/17 02:03	1
Toluene-d8 (Surr)	109		75 - 120		04/05/17 02:03	1

Client Sample ID: MW-7A

Date Collected: 03/22/17 12:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 02:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 02:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 02:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 02:30	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 02:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 02:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 02:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 02:30	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 02:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127		04/05/17 02:30	1
4-Bromofluorobenzene (Surr)	109		71 - 120		04/05/17 02:30	1
Dibromofluoromethane	85		70 - 120		04/05/17 02:30	1
Toluene-d8 (Surr)	109		75 - 120		04/05/17 02:30	1

Client Sample ID: PZ-7

Date Collected: 03/22/17 10:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 02:58	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 02:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 02:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 02:58	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 02:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 02:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 02:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 02:58	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: PZ-7

Date Collected: 03/22/17 10:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 02:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127					04/05/17 02:58	1
4-Bromofluorobenzene (Surr)	110		71 - 120					04/05/17 02:58	1
Dibromofluoromethane	84		70 - 120					04/05/17 02:58	1
Toluene-d8 (Surr)	111		75 - 120					04/05/17 02:58	1

Client Sample ID: MW-9

Date Collected: 03/22/17 09:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 03:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 03:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 03:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 03:25	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 03:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 03:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 03:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 03:25	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 03:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 127					04/05/17 03:25	1
4-Bromofluorobenzene (Surr)	106		71 - 120					04/05/17 03:25	1
Dibromofluoromethane	84		70 - 120					04/05/17 03:25	1
Toluene-d8 (Surr)	108		75 - 120					04/05/17 03:25	1

Client Sample ID: MW-10

Date Collected: 03/22/17 15:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	740		5.0	1.8	ug/L			04/05/17 07:01	5
1,2-Dibromoethane (EDB)	<1.9		5.0	1.9	ug/L			04/05/17 07:01	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/05/17 07:01	5
1,3,5-Trimethylbenzene	220		5.0	1.3	ug/L			04/05/17 07:01	5
Benzene	54		2.5	0.73	ug/L			04/05/17 07:01	5
Ethylbenzene	590		2.5	0.92	ug/L			04/05/17 07:01	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/05/17 07:01	5
Naphthalene	97		5.0	1.7	ug/L			04/05/17 07:01	5
Toluene	420		2.5	0.76	ug/L			04/05/17 07:01	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		71 - 127					04/05/17 07:01	5
4-Bromofluorobenzene (Surr)	105		71 - 120					04/05/17 07:01	5

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-10
Date Collected: 03/22/17 15:15
Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-15
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	82		70 - 120		04/05/17 07:01	5
Toluene-d8 (Surr)	108		75 - 120		04/05/17 07:01	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1300		50	11	ug/L			04/05/17 07:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		71 - 127		04/05/17 07:28	50
4-Bromofluorobenzene (Surr)	107		71 - 120		04/05/17 07:28	50
Dibromofluoromethane	83		70 - 120		04/05/17 07:28	50
Toluene-d8 (Surr)	107		75 - 120		04/05/17 07:28	50

Client Sample ID: MW-E
Date Collected: 03/22/17 12:15
Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 01:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 01:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 01:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 01:36	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 01:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 01:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 01:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 01:36	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 01:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 127		04/05/17 01:36	1
4-Bromofluorobenzene (Surr)	105		71 - 120		04/05/17 01:36	1
Dibromofluoromethane	84		70 - 120		04/05/17 01:36	1
Toluene-d8 (Surr)	109		75 - 120		04/05/17 01:36	1

Client Sample ID: MW-W
Date Collected: 03/22/17 12:30
Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 03:52	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 03:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 03:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 03:52	1
Benzene	1.3		0.50	0.15	ug/L			04/05/17 03:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 03:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 03:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 03:52	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-W

Date Collected: 03/22/17 12:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 03:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 127					04/05/17 03:52	1
4-Bromofluorobenzene (Surr)	107		71 - 120					04/05/17 03:52	1
Dibromofluoromethane	84		70 - 120					04/05/17 03:52	1
Toluene-d8 (Surr)	109		75 - 120					04/05/17 03:52	1

Client Sample ID: CMW-1

Date Collected: 03/22/17 11:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 04:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 04:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 04:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 04:19	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 04:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 04:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 04:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 04:19	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 04:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127					04/05/17 04:19	1
4-Bromofluorobenzene (Surr)	106		71 - 120					04/05/17 04:19	1
Dibromofluoromethane	85		70 - 120					04/05/17 04:19	1
Toluene-d8 (Surr)	107		75 - 120					04/05/17 04:19	1

Client Sample ID: Trip Blank

Date Collected: 03/22/17 00:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 00:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 00:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 00:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 00:32	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 00:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 00:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 00:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 00:32	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 00:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127					04/05/17 00:32	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-125589-19

Date Collected: 03/22/17 00:00

Matrix: Water

Date Received: 03/24/17 08:45

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	116		71 - 120		04/05/17 00:32	1
Dibromofluoromethane	94		70 - 120		04/05/17 00:32	1
Toluene-d8 (Surr)	99		75 - 120		04/05/17 00:32	1

Definitions/Glossary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

GC/MS VOA

Analysis Batch: 378707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-125589-4	MW-3A	Total/NA	Water	8260B	
500-125589-4 - DL	MW-3A	Total/NA	Water	8260B	
500-125589-5	MW-4A	Total/NA	Water	8260B	
500-125589-6	MW-4R	Total/NA	Water	8260B	
500-125589-6 - DL	MW-4R	Total/NA	Water	8260B	
500-125589-7	MW-5	Total/NA	Water	8260B	
500-125589-8	MW-5A	Total/NA	Water	8260B	
500-125589-8 - DL	MW-5A	Total/NA	Water	8260B	
500-125589-11	MW-7	Total/NA	Water	8260B	
500-125589-12	MW-7A	Total/NA	Water	8260B	
500-125589-13	PZ-7	Total/NA	Water	8260B	
500-125589-14	MW-9	Total/NA	Water	8260B	
500-125589-15	MW-10	Total/NA	Water	8260B	
500-125589-15 - DL	MW-10	Total/NA	Water	8260B	
500-125589-16	MW-E	Total/NA	Water	8260B	
500-125589-17	MW-W	Total/NA	Water	8260B	
500-125589-18	CMW-1	Total/NA	Water	8260B	
MB 500-378707/6	Method Blank	Total/NA	Water	8260B	
LCS 500-378707/5	Lab Control Sample	Total/NA	Water	8260B	
500-125589-7 MS	MW-5	Total/NA	Water	8260B	
500-125589-7 MSD	MW-5	Total/NA	Water	8260B	

Analysis Batch: 378723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-125589-1	MW-1A	Total/NA	Water	8260B	
500-125589-2	MW-2A	Total/NA	Water	8260B	
500-125589-3	MW-3	Total/NA	Water	8260B	
500-125589-9	MW-6	Total/NA	Water	8260B	
500-125589-10	MW-6A	Total/NA	Water	8260B	
500-125589-19	Trip Blank	Total/NA	Water	8260B	
MB 500-378723/6	Method Blank	Total/NA	Water	8260B	
LCS 500-378723/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (71-127)	BFB (71-120)	DBFM (70-120)	TOL (75-120)
500-125589-1	MW-1A	105	119	94	98
500-125589-2	MW-2A	103	119	94	99
500-125589-3	MW-3	102	116	95	100
500-125589-4	MW-3A	95	104	84	108
500-125589-4 - DL	MW-3A	98	107	85	107
500-125589-5	MW-4A	96	104	85	107
500-125589-6	MW-4R	95	102	84	108
500-125589-6 - DL	MW-4R	96	107	85	109
500-125589-7	MW-5	96	107	85	108
500-125589-7 MS	MW-5	97	107	91	108
500-125589-7 MSD	MW-5	95	106	91	106
500-125589-8	MW-5A	94	106	82	108
500-125589-8 - DL	MW-5A	95	107	84	108
500-125589-9	MW-6	100	115	94	100
500-125589-10	MW-6A	100	116	93	99
500-125589-11	MW-7	98	110	83	109
500-125589-12	MW-7A	99	109	85	109
500-125589-13	PZ-7	100	110	84	111
500-125589-14	MW-9	98	106	84	108
500-125589-15	MW-10	94	105	82	108
500-125589-15 - DL	MW-10	97	107	83	107
500-125589-16	MW-E	98	105	84	109
500-125589-17	MW-W	98	107	84	109
500-125589-18	CMW-1	100	106	85	107
500-125589-19	Trip Blank	101	116	94	99
LCS 500-378707/5	Lab Control Sample	101	106	94	106
LCS 500-378723/4	Lab Control Sample	100	110	94	97
MB 500-378707/6	Method Blank	100	109	90	106
MB 500-378723/6	Method Blank	101	115	93	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

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

Lab Sample ID: MB 500-378707/6
Matrix: Water
Analysis Batch: 378707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/05/17 00:41	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/05/17 00:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/05/17 00:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/05/17 00:41	1
Benzene	<0.15		0.50	0.15	ug/L			04/05/17 00:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/05/17 00:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/05/17 00:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/05/17 00:41	1
Toluene	<0.15		0.50	0.15	ug/L			04/05/17 00:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/05/17 00:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127		04/05/17 00:41	1
4-Bromofluorobenzene (Surr)	109		71 - 120		04/05/17 00:41	1
Dibromofluoromethane	90		70 - 120		04/05/17 00:41	1
Toluene-d8 (Surr)	106		75 - 120		04/05/17 00:41	1

Lab Sample ID: LCS 500-378707/5
Matrix: Water
Analysis Batch: 378707

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	51.8		ug/L		104	70 - 125
1,2-Dibromoethane (EDB)	50.0	51.4		ug/L		103	70 - 125
1,2-Dichloroethane	50.0	52.3		ug/L		105	70 - 125
1,3,5-Trimethylbenzene	50.0	52.5		ug/L		105	70 - 125
Benzene	50.0	50.2		ug/L		100	70 - 125
Ethylbenzene	50.0	55.1		ug/L		110	70 - 125
Methyl tert-butyl ether	50.0	45.9		ug/L		92	67 - 125
Naphthalene	50.0	38.3		ug/L		77	50 - 136
Toluene	50.0	54.2		ug/L		108	70 - 125
Xylenes, Total	100	108		ug/L		108	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		71 - 127
4-Bromofluorobenzene (Surr)	106		71 - 120
Dibromofluoromethane	94		70 - 120
Toluene-d8 (Surr)	106		75 - 120

Lab Sample ID: 500-125589-7 MS
Matrix: Water
Analysis Batch: 378707

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	15		50.0	64.4		ug/L		98	70 - 125
1,2-Dibromoethane (EDB)	<0.39		50.0	46.1		ug/L		92	70 - 125
1,2-Dichloroethane	<0.39		50.0	46.1		ug/L		92	70 - 125

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

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

Lab Sample ID: 500-125589-7 MS

Matrix: Water

Analysis Batch: 378707

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	0.44	J	50.0	50.4		ug/L		100	70 - 125
Benzene	3.5		50.0	48.3		ug/L		90	70 - 125
Ethylbenzene	1.7		50.0	54.0		ug/L		105	70 - 125
Methyl tert-butyl ether	<0.39		50.0	40.0		ug/L		80	67 - 125
Naphthalene	2.4		50.0	35.5		ug/L		66	50 - 136
Toluene	0.26	J	50.0	52.0		ug/L		103	70 - 125
Xylenes, Total	17		100	118		ug/L		101	70 - 125
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	97		71 - 127						
4-Bromofluorobenzene (Surr)	107		71 - 120						
Dibromofluoromethane	91		70 - 120						
Toluene-d8 (Surr)	108		75 - 120						

Lab Sample ID: 500-125589-7 MSD

Matrix: Water

Analysis Batch: 378707

Client Sample ID: MW-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	15		50.0	65.2		ug/L		100	70 - 125	1	20
1,2-Dibromoethane (EDB)	<0.39		50.0	46.4		ug/L		93	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	46.6		ug/L		93	70 - 125	1	20
1,3,5-Trimethylbenzene	0.44	J	50.0	50.8		ug/L		101	70 - 125	1	20
Benzene	3.5		50.0	48.7		ug/L		90	70 - 125	1	20
Ethylbenzene	1.7		50.0	52.7		ug/L		102	70 - 125	2	20
Methyl tert-butyl ether	<0.39		50.0	39.9		ug/L		80	67 - 125	0	20
Naphthalene	2.4		50.0	41.3		ug/L		78	50 - 136	15	20
Toluene	0.26	J	50.0	50.1		ug/L		100	70 - 125	4	20
Xylenes, Total	17		100	116		ug/L		99	70 - 125	2	20
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
1,2-Dichloroethane-d4 (Surr)	95		71 - 127								
4-Bromofluorobenzene (Surr)	106		71 - 120								
Dibromofluoromethane	91		70 - 120								
Toluene-d8 (Surr)	106		75 - 120								

Lab Sample ID: MB 500-378723/6

Matrix: Water

Analysis Batch: 378723

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/04/17 23:41	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/04/17 23:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/04/17 23:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/04/17 23:41	1
Benzene	<0.15		0.50	0.15	ug/L			04/04/17 23:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/04/17 23:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/04/17 23:41	1

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

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

Lab Sample ID: MB 500-378723/6
Matrix: Water
Analysis Batch: 378723

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.34		1.0	0.34	ug/L			04/04/17 23:41	1
Toluene	<0.15		0.50	0.15	ug/L			04/04/17 23:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/04/17 23:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127		04/04/17 23:41	1
4-Bromofluorobenzene (Surr)	115		71 - 120		04/04/17 23:41	1
Dibromofluoromethane	93		70 - 120		04/04/17 23:41	1
Toluene-d8 (Surr)	99		75 - 120		04/04/17 23:41	1

Lab Sample ID: LCS 500-378723/4
Matrix: Water
Analysis Batch: 378723

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	49.5		ug/L		99	70 - 125
1,2-Dibromoethane (EDB)	50.0	43.4		ug/L		87	70 - 125
1,2-Dichloroethane	50.0	49.4		ug/L		99	70 - 125
1,3,5-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 125
Benzene	50.0	45.6		ug/L		91	70 - 125
Ethylbenzene	50.0	47.1		ug/L		94	70 - 125
Methyl tert-butyl ether	50.0	42.0		ug/L		84	67 - 125
Naphthalene	50.0	25.1		ug/L		50	50 - 136
Toluene	50.0	48.6		ug/L		97	70 - 125
Xylenes, Total	100	95.4		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		71 - 127
4-Bromofluorobenzene (Surr)	110		71 - 120
Dibromofluoromethane	94		70 - 120
Toluene-d8 (Surr)	97		75 - 120

Lab Chronicle

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-1A

Date Collected: 03/22/17 13:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378723	04/05/17 00:59	JMP	TAL CHI

Client Sample ID: MW-2A

Date Collected: 03/22/17 13:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378723	04/05/17 01:24	JMP	TAL CHI

Client Sample ID: MW-3

Date Collected: 03/22/17 10:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378723	04/05/17 01:51	JMP	TAL CHI

Client Sample ID: MW-3A

Date Collected: 03/22/17 15:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	378707	04/05/17 07:55	JMP	TAL CHI
Total/NA	Analysis	8260B	DL	200	378707	04/05/17 08:22	JMP	TAL CHI

Client Sample ID: MW-4A

Date Collected: 03/22/17 14:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 04:46	JMP	TAL CHI

Client Sample ID: MW-4R

Date Collected: 03/22/17 14:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	378707	04/05/17 06:08	JMP	TAL CHI
Total/NA	Analysis	8260B	DL	50	378707	04/05/17 06:34	JMP	TAL CHI

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: MW-5

Date Collected: 03/22/17 12:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 01:08	JMP	TAL CHI

Client Sample ID: MW-5A

Date Collected: 03/22/17 14:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	378707	04/05/17 05:14	JMP	TAL CHI
Total/NA	Analysis	8260B	DL	10	378707	04/05/17 05:41	JMP	TAL CHI

Client Sample ID: MW-6

Date Collected: 03/22/17 11:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378723	04/05/17 02:16	JMP	TAL CHI

Client Sample ID: MW-6A

Date Collected: 03/22/17 11:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378723	04/05/17 02:42	JMP	TAL CHI

Client Sample ID: MW-7

Date Collected: 03/22/17 10:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 02:03	JMP	TAL CHI

Client Sample ID: MW-7A

Date Collected: 03/22/17 12:00

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 02:30	JMP	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: PZ-7

Date Collected: 03/22/17 10:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 02:58	JMP	TAL CHI

Client Sample ID: MW-9

Date Collected: 03/22/17 09:45

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 03:25	JMP	TAL CHI

Client Sample ID: MW-10

Date Collected: 03/22/17 15:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	378707	04/05/17 07:01	JMP	TAL CHI
Total/NA	Analysis	8260B	DL	50	378707	04/05/17 07:28	JMP	TAL CHI

Client Sample ID: MW-E

Date Collected: 03/22/17 12:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 01:36	JMP	TAL CHI

Client Sample ID: MW-W

Date Collected: 03/22/17 12:30

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 03:52	JMP	TAL CHI

Client Sample ID: CMW-1

Date Collected: 03/22/17 11:15

Date Received: 03/24/17 08:45

Lab Sample ID: 500-125589-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378707	04/05/17 04:19	JMP	TAL CHI

Lab Chronicle

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-125589-19

Date Collected: 03/22/17 00:00

Matrix: Water

Date Received: 03/24/17 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	378723	04/05/17 00:32	JMP	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Accreditation/Certification Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-125589-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Report To (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-Mail: _____

Bill To (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# 18174003

Lab Job #: 500-125589
 Chain of Custody Number: _____
 Page 1 of 2
 Temperature °C of Cooler: 2-2

Client		Client Project #		Preservative		Parameter		Project Location/State		Lab Project #		Preservative Key  1 to 4° 1 to 4° to 4° bol to 4°
<u>AET</u>		<u>03-05510</u>		<u>1</u>		<u>PECFA</u>		<u>CHRI, WI</u>				
Project Name		Lab Project #		Sample Disposal		Matrix		Sampler		Lab PM		Comments
<u>Datri Concepts</u>				<u>X</u>		<u>PECFA + 12-DEA + Napthylamine + EDB</u>		<u>Michael R. Neal</u>		<u>Sondre F.</u>		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix						
1		<u>MW-1A</u>	<u>3-22-17</u>	<u>13:00</u>	<u>3</u>	<u>W</u>						
2		<u>MW-2A</u>		<u>13:15</u>	<u>3</u>	<u>W</u>						
3		<u>MW-3</u>		<u>10:00</u>	<u>3</u>	<u>W</u>						
4		<u>MW-3A</u>		<u>15:45</u>	<u>3</u>	<u>W</u>						
5		<u>MW-4A</u>		<u>14:30</u>	<u>3</u>	<u>W</u>						
6		<u>MW-4R</u>		<u>14:45</u>	<u>3</u>	<u>W</u>						
7		<u>MW-5</u>		<u>12:45</u>	<u>3</u>	<u>W</u>						
8		<u>MW-5A</u>		<u>14:00</u>	<u>3</u>	<u>W</u>						
9		<u>MW-6</u>		<u>11:00</u>	<u>3</u>	<u>W</u>						
10		<u>MW-6A</u>		<u>11:45</u>	<u>3</u>	<u>W</u>						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u>	Company <u>AET</u>	Date <u>3-23-17</u>	Time <u>14:30</u>	Received By <u>[Signature]</u>	Company <u>AET</u>	Date <u></u>	Time <u></u>	Lab Courier
Relinquished By <u>[Signature]</u>	Company <u>AET</u>	Date <u>3-23-17</u>	Time <u>14:30</u>	Received By <u>[Signature]</u>	Company <u>TACTE</u>	Date <u>03/24/17</u>	Time <u>0845</u>	Shipped <u>FX STD</u>
Relinquished By <u>[Signature]</u>	Company <u>AET</u>	Date <u>3-23-17</u>	Time <u>14:30</u>	Received By <u>[Signature]</u>	Company <u>TACTE</u>	Date <u>03/24/17</u>	Time <u>0845</u>	Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments
PECFA

Lab Comments:
4A - 2 vials
4R & 3A - 1 vial headspace

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To _____ (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-Mail: _____

Bill To _____ (optional)
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# 18174003

Chain of Custody Record

Lab Job #: 500-125589
 Chain of Custody Number: _____
 Page 2 of 2
 Temperature °C of Cooler: 2.2

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key	
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM			
<u>AET</u>		<u>03-05510</u>								1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
<u>Darci Concepts</u>		<u>Cheli, WI</u>									
<u>Michael K. Neal</u>		<u>Sandie F.</u>								Comments	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
<u>11</u>		<u>MW-7</u>	<u>3-22-17</u>	<u>10:15</u>	<u>3</u>	<u>W</u>	<u>X</u>	<u>PVOC + 17-DEA + Naphthalene + EDB</u>			
<u>12</u>		<u>MW-7A</u>		<u>12:00</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>13</u>		<u>P2-7</u>		<u>10:30</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>14</u>		<u>MW-9</u>		<u>9:45</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>15</u>		<u>MW-10</u>		<u>15:15</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>16</u>		<u>MW-E</u>		<u>12:15</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>17</u>		<u>MW-W</u>		<u>12:30</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>18</u>		<u>C.MW-1</u>		<u>11:15</u>	<u>3</u>	<u>W</u>	<u>X</u>				
<u>19</u>		<u>Trip Blank</u>		<u>~</u>	<u>1</u>	<u>W</u>	<u>X</u>				

Turnaround Time Required (Business Days) _____
 Requested Due Date _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>AET</u> Date: <u>3-23-17</u> Time: <u>14:30</u>	Received By: <u>[Signature]</u> Company: _____ Date: _____ Time: _____	Lab Courier: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: <u>[Signature]</u> Company: <u>TRAC</u> Date: <u>03/24/17</u> Time: <u>0845</u>	Shipped: <u>EX STD</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments
DECEFA

Lab Comments:

ORIGIN ID:EAUA (715) 861-5045
MICHAEL NEAL
1837 COUNTY HIGHWAY 00
CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 23MAR17
ACTWGT: 34.00 LB
CAD: 104342606/NET3850

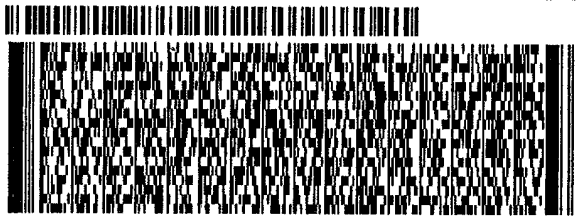
BILL THIRD PARTY

TO **SAMPLE RECEIPT**
TEST AMERICA
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 534-5200 REF:
INV. PO. DEPT:

546317ADB63C1

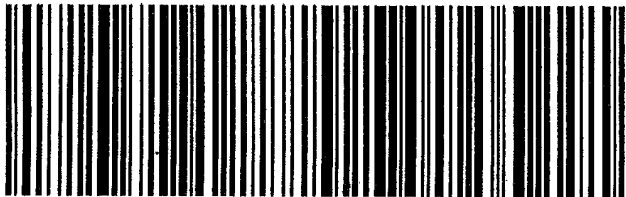


FRI - 24 MAR 3:00P
STANDARD OVERNIGHT

TRK# 7787 2652 9330
0201

NA JOTA

60484
IL-US ORD



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500-125589 Waybill



Login Sample Receipt Checklist

Client: American Engineering Testing Inc.

Job Number: 500-125589-1

Login Number: 125589**List Source: TestAmerica Chicago****List Number: 1****Creator: Sanchez, Ariel M**

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	False	Headspace larger than 1/4".
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-129011-1

Client Project/Site: Dairi Concepts - 03-05510

For:

American Engineering Testing Inc.

1837 Cty Hwy OO

Chippewa Falls, Wisconsin 54729

Attn: Mr. Michael Neal



Authorized for release by:

6/14/2017 2:57:27 PM

Sandie Fredrick, Project Manager II

(920)261-1660

sandie.fredrick@testamericainc.com

REVIEWED

By mneal at 6:17 am, Jun 15, 2017

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

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

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



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www.testamericainc.com

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- 15



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Case Narrative

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Job ID: 500-129011-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-129011-1

Comments

No additional comments.

Receipt

The samples were received on 6/2/2017 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-3A (500-129011-2) and MW-4R (500-129011-3). Elevated reporting limits (RLs) are provided.

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

GC VOA

Method(s) WI-GRO: Surrogate recovery for the following sample was outside control limits: MW-5A (500-129011-5) and MW-10 (500-129011-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

VOA Prep

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

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-1A

Lab Sample ID: 500-129011-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.5		1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	3.5		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-3A

Lab Sample ID: 500-129011-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1900		10	3.6	ug/L	10		8260B	Total/NA
1,2-Dibromoethane (EDB)	45		10	3.9	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	530		10	2.5	ug/L	10		8260B	Total/NA
Ethylbenzene	1400		5.0	1.8	ug/L	10		8260B	Total/NA
Naphthalene	450		10	3.4	ug/L	10		8260B	Total/NA
Benzene - DL	3200		50	15	ug/L	100		8260B	Total/NA
Toluene - DL	12000		50	15	ug/L	100		8260B	Total/NA
Xylenes, Total - DL	8100		100	22	ug/L	100		8260B	Total/NA

Client Sample ID: MW-4R

Lab Sample ID: 500-129011-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	360		2.0	0.67	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1400		20	7.2	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	370		20	5.1	ug/L	20		8260B	Total/NA
Benzene - DL	780		10	2.9	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	1400		10	3.7	ug/L	20		8260B	Total/NA
Toluene - DL	2300		10	3.0	ug/L	20		8260B	Total/NA
Xylenes, Total - DL	4800		20	4.4	ug/L	20		8260B	Total/NA

Client Sample ID: MW-4A

Lab Sample ID: 500-129011-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	39		0.50	0.30	ug/L	1		WDNR	Total/NA
1,3,5-Trimethylbenzene	28		0.50	0.30	ug/L	1		WDNR	Total/NA
Ethylbenzene	34		0.50	0.37	ug/L	1		WDNR	Total/NA
Naphthalene	44		5.0	2.4	ug/L	1		WDNR	Total/NA
Toluene	8.6		0.50	0.33	ug/L	1		WDNR	Total/NA
Xylenes, Total	39		1.5	0.58	ug/L	1		WDNR	Total/NA

Client Sample ID: MW-5A

Lab Sample ID: 500-129011-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	200		0.50	0.30	ug/L	1		WDNR	Total/NA
1,3,5-Trimethylbenzene	83		0.50	0.30	ug/L	1		WDNR	Total/NA
Benzene	16		0.50	0.36	ug/L	1		WDNR	Total/NA
Ethylbenzene	150		0.50	0.37	ug/L	1		WDNR	Total/NA
Methyl tert-butyl ether	300		0.50	0.24	ug/L	1		WDNR	Total/NA
Naphthalene	96		5.0	2.4	ug/L	1		WDNR	Total/NA
Toluene	42		0.50	0.33	ug/L	1		WDNR	Total/NA
Xylenes, Total	440		1.5	0.58	ug/L	1		WDNR	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 500-129011-6

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-7 (Continued)

Lab Sample ID: 500-129011-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.65		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 500-129011-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	770		5.0	3.0	ug/L	10		WDNR	Total/NA
1,3,5-Trimethylbenzene	190		5.0	3.0	ug/L	10		WDNR	Total/NA
Benzene	87		5.0	3.6	ug/L	10		WDNR	Total/NA
Ethylbenzene	740		5.0	3.7	ug/L	10		WDNR	Total/NA
Methyl tert-butyl ether	2100		5.0	2.4	ug/L	10		WDNR	Total/NA
Naphthalene	360		50	24	ug/L	10		WDNR	Total/NA
Toluene	890		5.0	3.3	ug/L	10		WDNR	Total/NA
Xylenes, Total	1900		15	5.8	ug/L	10		WDNR	Total/NA

Client Sample ID: MW-East

Lab Sample ID: 500-129011-8

No Detections.

Client Sample ID: MW-West

Lab Sample ID: 500-129011-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.69		0.50	0.24	ug/L	1		WDNR	Total/NA

Client Sample ID: CMW-1

Lab Sample ID: 500-129011-10

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 500-129011-11

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
WDNR	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-129011-1	MW-1A	Water	06/01/17 12:45	06/02/17 09:55
500-129011-2	MW-3A	Water	06/01/17 14:00	06/02/17 09:55
500-129011-3	MW-4R	Water	06/01/17 13:30	06/02/17 09:55
500-129011-4	MW-4A	Water	06/01/17 13:15	06/02/17 09:55
500-129011-5	MW-5A	Water	06/01/17 13:00	06/02/17 09:55
500-129011-6	MW-7	Water	06/01/17 10:45	06/02/17 09:55
500-129011-7	MW-10	Water	06/01/17 13:45	06/02/17 09:55
500-129011-8	MW-East	Water	06/01/17 11:45	06/02/17 09:55
500-129011-9	MW-West	Water	06/01/17 12:15	06/02/17 09:55
500-129011-10	CMW-1	Water	06/01/17 11:15	06/02/17 09:55
500-129011-11	Trip Blank	Water	06/01/17 00:00	06/02/17 09:55

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-1A

Date Collected: 06/01/17 12:45

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/17 14:06	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/17 14:06	1
1,2-Dichloroethane	1.5		1.0	0.39	ug/L			06/09/17 14:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/17 14:06	1
Benzene	3.5		0.50	0.15	ug/L			06/09/17 14:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/17 14:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/17 14:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/17 14:06	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/17 14:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/17 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		06/09/17 14:06	1
4-Bromofluorobenzene (Surr)	109		72 - 124		06/09/17 14:06	1
Dibromofluoromethane	91		75 - 120		06/09/17 14:06	1
Toluene-d8 (Surr)	102		75 - 120		06/09/17 14:06	1

Client Sample ID: MW-3A

Date Collected: 06/01/17 14:00

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1900		10	3.6	ug/L			06/09/17 14:33	10
1,2-Dibromoethane (EDB)	45		10	3.9	ug/L			06/09/17 14:33	10
1,2-Dichloroethane	<3.9		10	3.9	ug/L			06/09/17 14:33	10
1,3,5-Trimethylbenzene	530		10	2.5	ug/L			06/09/17 14:33	10
Ethylbenzene	1400		5.0	1.8	ug/L			06/09/17 14:33	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			06/09/17 14:33	10
Naphthalene	450		10	3.4	ug/L			06/09/17 14:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		06/09/17 14:33	10
4-Bromofluorobenzene (Surr)	109		72 - 124		06/09/17 14:33	10
Dibromofluoromethane	89		75 - 120		06/09/17 14:33	10
Toluene-d8 (Surr)	102		75 - 120		06/09/17 14:33	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3200		50	15	ug/L			06/09/17 15:00	100
Toluene	12000		50	15	ug/L			06/09/17 15:00	100
Xylenes, Total	8100		100	22	ug/L			06/09/17 15:00	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126		06/09/17 15:00	100
4-Bromofluorobenzene (Surr)	110		72 - 124		06/09/17 15:00	100
Dibromofluoromethane	92		75 - 120		06/09/17 15:00	100
Toluene-d8 (Surr)	100		75 - 120		06/09/17 15:00	100

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-4R
Date Collected: 06/01/17 13:30
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.77		2.0	0.77	ug/L			06/09/17 15:54	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			06/09/17 15:54	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			06/09/17 15:54	2
Naphthalene	360		2.0	0.67	ug/L			06/09/17 15:54	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 126					06/09/17 15:54	2
4-Bromofluorobenzene (Surr)	108		72 - 124					06/09/17 15:54	2
Dibromofluoromethane	91		75 - 120					06/09/17 15:54	2
Toluene-d8 (Surr)	104		75 - 120					06/09/17 15:54	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1400		20	7.2	ug/L			06/09/17 16:21	20
1,3,5-Trimethylbenzene	370		20	5.1	ug/L			06/09/17 16:21	20
Benzene	780		10	2.9	ug/L			06/09/17 16:21	20
Ethylbenzene	1400		10	3.7	ug/L			06/09/17 16:21	20
Toluene	2300		10	3.0	ug/L			06/09/17 16:21	20
Xylenes, Total	4800		20	4.4	ug/L			06/09/17 16:21	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126					06/09/17 16:21	20
4-Bromofluorobenzene (Surr)	108		72 - 124					06/09/17 16:21	20
Dibromofluoromethane	92		75 - 120					06/09/17 16:21	20
Toluene-d8 (Surr)	101		75 - 120					06/09/17 16:21	20

Client Sample ID: MW-4A
Date Collected: 06/01/17 13:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-4
Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	39		0.50	0.30	ug/L			06/05/17 23:28	1
1,3,5-Trimethylbenzene	28		0.50	0.30	ug/L			06/05/17 23:28	1
Benzene	<0.36		0.50	0.36	ug/L			06/05/17 23:28	1
Ethylbenzene	34		0.50	0.37	ug/L			06/05/17 23:28	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/05/17 23:28	1
Naphthalene	44		5.0	2.4	ug/L			06/05/17 23:28	1
Toluene	8.6		0.50	0.33	ug/L			06/05/17 23:28	1
Xylenes, Total	39		1.5	0.58	ug/L			06/05/17 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	89		80 - 120					06/05/17 23:28	1

Client Sample ID: MW-5A
Date Collected: 06/01/17 13:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-5
Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	200		0.50	0.30	ug/L			06/06/17 00:21	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-5A

Date Collected: 06/01/17 13:00

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-5

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	83		0.50	0.30	ug/L			06/06/17 00:21	1
Benzene	16		0.50	0.36	ug/L			06/06/17 00:21	1
Ethylbenzene	150		0.50	0.37	ug/L			06/06/17 00:21	1
Methyl tert-butyl ether	300		0.50	0.24	ug/L			06/06/17 00:21	1
Naphthalene	96		5.0	2.4	ug/L			06/06/17 00:21	1
Toluene	42		0.50	0.33	ug/L			06/06/17 00:21	1
Xylenes, Total	440		1.5	0.58	ug/L			06/06/17 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	263	X	80 - 120					06/06/17 00:21	1

Client Sample ID: MW-7

Date Collected: 06/01/17 10:45

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/17 16:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/17 16:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/17 16:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/17 16:48	1
Benzene	0.65		0.50	0.15	ug/L			06/09/17 16:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/17 16:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/17 16:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/17 16:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/17 16:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/17 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126					06/09/17 16:48	1
4-Bromofluorobenzene (Surr)	112		72 - 124					06/09/17 16:48	1
Dibromofluoromethane	93		75 - 120					06/09/17 16:48	1
Toluene-d8 (Surr)	99		75 - 120					06/09/17 16:48	1

Client Sample ID: MW-10

Date Collected: 06/01/17 13:45

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-7

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	770		5.0	3.0	ug/L			06/06/17 01:15	10
1,3,5-Trimethylbenzene	190		5.0	3.0	ug/L			06/06/17 01:15	10
Benzene	87		5.0	3.6	ug/L			06/06/17 01:15	10
Ethylbenzene	740		5.0	3.7	ug/L			06/06/17 01:15	10
Methyl tert-butyl ether	2100		5.0	2.4	ug/L			06/06/17 01:15	10
Naphthalene	360		50	24	ug/L			06/06/17 01:15	10
Toluene	890		5.0	3.3	ug/L			06/06/17 01:15	10
Xylenes, Total	1900		15	5.8	ug/L			06/06/17 01:15	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	171	X	80 - 120					06/06/17 01:15	10

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-East

Date Collected: 06/01/17 11:45

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-8

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 21:14	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 21:14	1
Benzene	<0.36		0.50	0.36	ug/L			06/05/17 21:14	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/05/17 21:14	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/05/17 21:14	1
Naphthalene	<2.4		5.0	2.4	ug/L			06/05/17 21:14	1
Toluene	<0.33		0.50	0.33	ug/L			06/05/17 21:14	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/05/17 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>a,a,a-Trifluorotoluene</i>	90		80 - 120		06/05/17 21:14	1

Client Sample ID: MW-West

Date Collected: 06/01/17 12:15

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-9

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 21:41	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 21:41	1
Benzene	<0.36		0.50	0.36	ug/L			06/05/17 21:41	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/05/17 21:41	1
Methyl tert-butyl ether	0.69		0.50	0.24	ug/L			06/05/17 21:41	1
Naphthalene	<2.4		5.0	2.4	ug/L			06/05/17 21:41	1
Toluene	<0.33		0.50	0.33	ug/L			06/05/17 21:41	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/05/17 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>a,a,a-Trifluorotoluene</i>	99		80 - 120		06/05/17 21:41	1

Client Sample ID: CMW-1

Date Collected: 06/01/17 11:15

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-10

Matrix: Water

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 22:08	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 22:08	1
Benzene	<0.36		0.50	0.36	ug/L			06/05/17 22:08	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/05/17 22:08	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/05/17 22:08	1
Naphthalene	<2.4		5.0	2.4	ug/L			06/05/17 22:08	1
Toluene	<0.33		0.50	0.33	ug/L			06/05/17 22:08	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/05/17 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>a,a,a-Trifluorotoluene</i>	93		80 - 120		06/05/17 22:08	1

TestAmerica Chicago

Client Sample Results

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-129011-11

Date Collected: 06/01/17 00:00

Matrix: Water

Date Received: 06/02/17 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/17 12:45	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/17 12:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/17 12:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/17 12:45	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/17 12:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/17 12:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/17 12:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/17 12:45	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/17 12:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/17 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		06/09/17 12:45	1
4-Bromofluorobenzene (Surr)	107		72 - 124		06/09/17 12:45	1
Dibromofluoromethane	93		75 - 120		06/09/17 12:45	1
Toluene-d8 (Surr)	100		75 - 120		06/09/17 12:45	1

Definitions/Glossary

Client: American Engineering Testing Inc.
Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

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

QC Association Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

GC/MS VOA

Analysis Batch: 388751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129011-1	MW-1A	Total/NA	Water	8260B	
500-129011-2	MW-3A	Total/NA	Water	8260B	
500-129011-2 - DL	MW-3A	Total/NA	Water	8260B	
500-129011-3	MW-4R	Total/NA	Water	8260B	
500-129011-3 - DL	MW-4R	Total/NA	Water	8260B	
500-129011-6	MW-7	Total/NA	Water	8260B	
500-129011-11	Trip Blank	Total/NA	Water	8260B	
MB 500-388751/6	Method Blank	Total/NA	Water	8260B	
LCS 500-388751/4	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 435222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129011-4	MW-4A	Total/NA	Water	WDNR	
500-129011-5	MW-5A	Total/NA	Water	WDNR	
500-129011-7	MW-10	Total/NA	Water	WDNR	
500-129011-8	MW-East	Total/NA	Water	WDNR	
500-129011-9	MW-West	Total/NA	Water	WDNR	
500-129011-10	CMW-1	Total/NA	Water	WDNR	
MB 490-435222/5	Method Blank	Total/NA	Water	WDNR	
LCS 490-435222/2	Lab Control Sample	Total/NA	Water	WDNR	
LCSD 490-435222/3	Lab Control Sample Dup	Total/NA	Water	WDNR	

Surrogate Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-129011-1	MW-1A	102	109	91	102
500-129011-2	MW-3A	100	109	89	102
500-129011-2 - DL	MW-3A	106	110	92	100
500-129011-3	MW-4R	100	108	91	104
500-129011-3 - DL	MW-4R	105	108	92	101
500-129011-6	MW-7	104	112	93	99
500-129011-11	Trip Blank	104	107	93	100
LCS 500-388751/4	Lab Control Sample	103	111	94	98
MB 500-388751/6	Method Blank	107	110	93	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT
		(80-120)
500-129011-4	MW-4A	89
500-129011-5	MW-5A	263 X
500-129011-7	MW-10	171 X
500-129011-8	MW-East	90
500-129011-9	MW-West	99
500-129011-10	CMW-1	93
LCS 490-435222/2	Lab Control Sample	94
LCSD 490-435222/3	Lab Control Sample Dup	96
MB 490-435222/5	Method Blank	87

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

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

Lab Sample ID: MB 500-388751/6

Matrix: Water

Analysis Batch: 388751

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/17 11:50	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/17 11:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/17 11:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/17 11:50	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/17 11:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/17 11:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/17 11:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/17 11:50	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/17 11:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/17 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126		06/09/17 11:50	1
4-Bromofluorobenzene (Surr)	110		72 - 124		06/09/17 11:50	1
Dibromofluoromethane	93		75 - 120		06/09/17 11:50	1
Toluene-d8 (Surr)	100		75 - 120		06/09/17 11:50	1

Lab Sample ID: LCS 500-388751/4

Matrix: Water

Analysis Batch: 388751

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	52.5		ug/L		105	70 - 123
1,2-Dibromoethane (EDB)	50.0	44.4		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	46.4		ug/L		93	68 - 127
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 123
Benzene	50.0	45.4		ug/L		91	70 - 120
Ethylbenzene	50.0	47.8		ug/L		96	70 - 120
Methyl tert-butyl ether	50.0	45.3		ug/L		91	70 - 120
Naphthalene	50.0	45.0		ug/L		90	59 - 130
Toluene	50.0	46.9		ug/L		94	70 - 125
Xylenes, Total	100	96.6		ug/L		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
4-Bromofluorobenzene (Surr)	111		72 - 124
Dibromofluoromethane	94		75 - 120
Toluene-d8 (Surr)	98		75 - 120

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: MB 490-435222/5

Matrix: Water

Analysis Batch: 435222

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 19:54	1

TestAmerica Chicago

QC Sample Results

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: MB 490-435222/5
 Matrix: Water
 Analysis Batch: 435222

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/05/17 19:54	1
Benzene	<0.36		0.50	0.36	ug/L			06/05/17 19:54	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/05/17 19:54	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/05/17 19:54	1
Naphthalene	<2.4		5.0	2.4	ug/L			06/05/17 19:54	1
Toluene	<0.33		0.50	0.33	ug/L			06/05/17 19:54	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/05/17 19:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		80 - 120		06/05/17 19:54	1

Lab Sample ID: LCS 490-435222/2
 Matrix: Water
 Analysis Batch: 435222

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	100	90.5		ug/L		91	60 - 131
1,3,5-Trimethylbenzene	100	90.6		ug/L		91	70 - 130
Benzene	100	91.1		ug/L		91	69 - 129
Ethylbenzene	100	91.8		ug/L		92	70 - 130
Methyl tert-butyl ether	100	96.9		ug/L		97	57 - 138
Naphthalene	100	107		ug/L		107	69 - 133
Toluene	100	90.7		ug/L		91	66 - 127
Xylenes, Total	300	269		ug/L		90	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	94		80 - 120

Lab Sample ID: LCSD 490-435222/3
 Matrix: Water
 Analysis Batch: 435222

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	100	90.6		ug/L		91	60 - 131	0	43
1,3,5-Trimethylbenzene	100	90.8		ug/L		91	70 - 130	0	20
Benzene	100	91.4		ug/L		91	69 - 129	0	33
Ethylbenzene	100	92.8		ug/L		93	70 - 130	1	35
Methyl tert-butyl ether	100	97.4		ug/L		97	57 - 138	1	40
Naphthalene	100	110		ug/L		110	69 - 133	3	48
Toluene	100	91.3		ug/L		91	66 - 127	1	34
Xylenes, Total	300	269		ug/L		90		0	

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	96		80 - 120

Lab Chronicle

Client: American Engineering Testing Inc.
 Project/Site: Dairy Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-1A

Date Collected: 06/01/17 12:45

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	388751	06/09/17 14:06	PJH	TAL CHI

Client Sample ID: MW-3A

Date Collected: 06/01/17 14:00

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	388751	06/09/17 14:33	PJH	TAL CHI
Total/NA	Analysis	8260B	DL	100	388751	06/09/17 15:00	PJH	TAL CHI

Client Sample ID: MW-4R

Date Collected: 06/01/17 13:30

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	388751	06/09/17 15:54	PJH	TAL CHI
Total/NA	Analysis	8260B	DL	20	388751	06/09/17 16:21	PJH	TAL CHI

Client Sample ID: MW-4A

Date Collected: 06/01/17 13:15

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	435222	06/05/17 23:28	AK1	TAL NSH

Client Sample ID: MW-5A

Date Collected: 06/01/17 13:00

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	435222	06/06/17 00:21	AK1	TAL NSH

Client Sample ID: MW-7

Date Collected: 06/01/17 10:45

Date Received: 06/02/17 09:55

Lab Sample ID: 500-129011-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	388751	06/09/17 16:48	PJH	TAL CHI

Lab Chronicle

Client: American Engineering Testing Inc.
 Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Client Sample ID: MW-10

Lab Sample ID: 500-129011-7

Date Collected: 06/01/17 13:45

Matrix: Water

Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		10	435222	06/06/17 01:15	AK1	TAL NSH

Client Sample ID: MW-East

Lab Sample ID: 500-129011-8

Date Collected: 06/01/17 11:45

Matrix: Water

Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	435222	06/05/17 21:14	AK1	TAL NSH

Client Sample ID: MW-West

Lab Sample ID: 500-129011-9

Date Collected: 06/01/17 12:15

Matrix: Water

Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	435222	06/05/17 21:41	AK1	TAL NSH

Client Sample ID: CMW-1

Lab Sample ID: 500-129011-10

Date Collected: 06/01/17 11:15

Matrix: Water

Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	435222	06/05/17 22:08	AK1	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 500-129011-11

Date Collected: 06/01/17 00:00

Matrix: Water

Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	388751	06/09/17 12:45	PJH	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: American Engineering Testing Inc.
Project/Site: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-129011-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998020430	08-31-17

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.534.5200



500-129011 COC

Chain of Custody Record

Lab Job #: 500-129011

Chain of Custody Number: _____

Page 1 of 1

Temperature °C of Cooler: 316

Report To (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# 18174003

Client		Client Project #		Preservative		Parameter		Preservative Key	
AET		03-05510		1 1				1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Matrix		Comments	
Dairi Concepts				Date Time		# of Containers Matrix			
Project Location/State		Lab PM							
Chili, WI		Sandra F.							
Sampler									
Michael K. Neal									
1	MW-1A	6-1-17	12:45	3	W	X			
2	MW-3A		14:00	3	W	X			
3	MW-4R		13:30	3	W	X			
4	MW-4A		13:15	3	W		X		
5	MW-5A		13:00	3	W		X		
6	MW-7		10:45	3	W	X			
7	MW-10		13:45	3	W		X		
8	MW-East		11:45	3	W		X		
9	MW-West		12:15	3	W		X		
10	CMW-1		11:15	3	W		X		
11	TRIP BLANK			1	W	X			

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days 15 Days ___ Other
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: AET Date: 6-1-17 Time: 16:00	Received By: <u>[Signature]</u> Company: FedEx Date: _____ Time: _____	Lab Courier: <u>[Signature]</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: <u>[Signature]</u> Company: TA-OHI Date: 6/2/17 Time: 0955	Shipped: <u>[Signature]</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments: PECFA project.

Lab Comments: _____

ORIGIN ID:EAUJ (715) 861-5045
MICHAEL NEAL
1837 COUNTY HIGHWAY 00
CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 01JUN17
ACTWGT: 18.00 LB
CAD: 104342606/INET3850

BILL THIRD PARTY

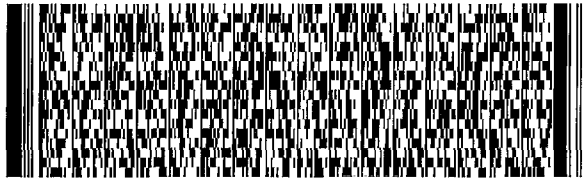
TO **SAMPLE RECEIPT
TEST AMERICA
2417 BOND STREET**



UNIVERSITY PARK IL 60484

500-129011 Waybill

(708) 534-5200 REF:
INV:
PO. DEPT:



FedEx
Express



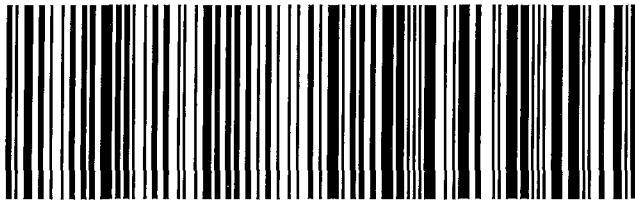
J1711170214611uz

**FRI - 02 JUN 3:00P
STANDARD OVERNIGHT**

TRK# **7792 8178 7780**
0201

NA JOTA

**60484
IL-US ORD**



FedEx Ship Manager - Print Your Label(s)

6/1/2017

After printing this label:

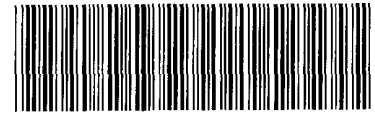
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number. Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; see current FedEx Service Guide.





THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN



500-129011 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On 06-03-2017 @0940

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 4710 (last 4 digits, FedEx) Courier: FEDEX

IR Gun ID 31470366 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 2.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) ASH

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) es

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) es

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) es

I certify that I attached a label with the unique LIMS number to each container (initial) es

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

TestAmerica Chicago

2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

500-129011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)

Client Contact: **Frederick, Sandie J** Lab P/N: **500-88514.1**

Shipping/Receiving: **sandie.fredrick@testamericainc.com** E-Mail: **Frederick, Sandie J**

Company: **TestAmerica Laboratories, Inc** State of Origin: **Wisconsin**

Address: **2980 Foster Creighton Drive,** Due Date Requested: **6/12/2017**

City: **Nashville** TAT Requested (days): **7**

State Zip: **TN, 37204**

Phone: **615-726-0177(Tel) 615-726-3404(Fax)** PO #: **W0 #**

Email: **W0 #**

Project Name: **Deft Concepts - 03-05510** Project #: **50007204**

Site: **SSOW#:**

Analysis Requested

Accreditations Required (See note): **State Program - Wisconsin**

Job #: **500-129011-1**

Page: **Page 1 of 1**

Preservation Codes:

A - HCl	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsH ₂ O ₂
D - Nitric Acid	P - Na ₂ SO ₄
E - NaHSO ₄	Q - Na ₂ SO ₃
F - MeOH	R - Na ₂ SO ₃
G - Amnhol	S - H ₂ SO ₄
H - Ascorbic Acid	T - TSP Dodecylhydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4.5
L - EDTA	Z - other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers	Special Instructions/Note:
					WT	GR	MS	MSD		
MMW-4A (500-129011-4)	6/1/17	13:15	Water	Water	X		X		3	
MMW-5A (500-129011-5)	6/1/17	13:00	Water	Water	X		X		3	
MMW-10 (500-129011-7)	6/1/17	13:45	Water	Water	X		X		3	
MMW-East (500-129011-8)	6/1/17	11:45	Water	Water	X		X		3	
MMW-West (500-129011-9)	6/1/17	12:15	Water	Water	X		X		3	
CMW-1 (500-129011-10)	6/1/17	11:15	Water	Water	X		X		3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) **Primary Deliverable Rank: 2**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For **Months**

Empty Kit Relinquished by: **Date:** _____ **Time:** _____ **Method of Shipment:** _____

Relinquished by: **Date/Time:** **6/02/17 @ 1400** **Company:** **TA** **Received by:** **Date/Time:** **6-3-17** **Company:** **9:40**

Relinquished by: **Date/Time:** _____ **Company:** _____ **Received by:** _____ **Date/Time:** _____ **Company:** _____

Custody Seals Intact: **Δ Yes Δ No** **Custody Seal No.:** _____ **Cooler Temperature(s) °C and Other Remarks:** **2.0**

Login Sample Receipt Checklist

Client: American Engineering Testing Inc.

Job Number: 500-129011-1

Login Number: 129011**List Source: TestAmerica Chicago****List Number: 1****Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: American Engineering Testing Inc.

Job Number: 500-129011-1

Login Number: 129011**List Number: 2****Creator: Stewart, Eric S****List Source: TestAmerica Nashville****List Creation: 06/03/17 11:22 AM**

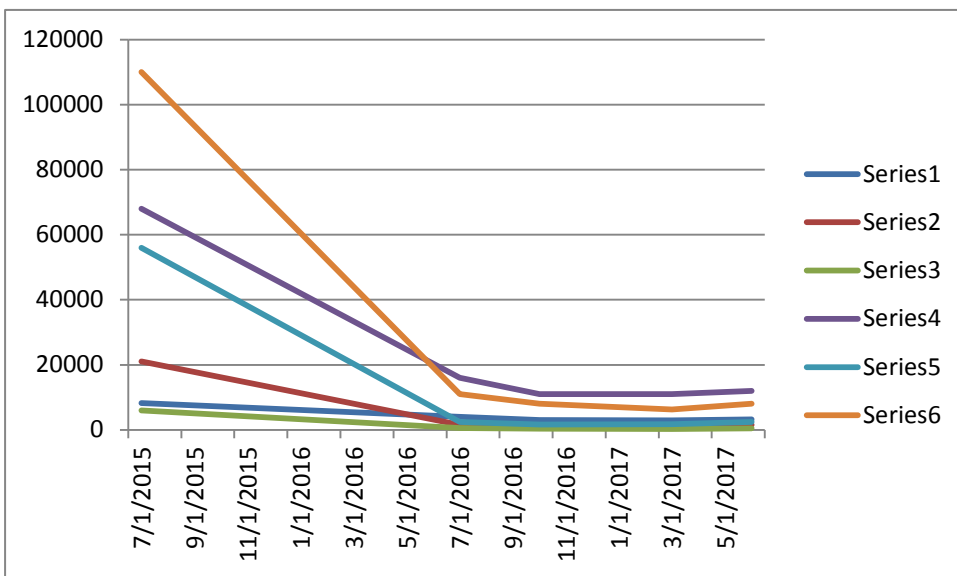
Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True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

Appendix E

Concentration verses Time Graphs

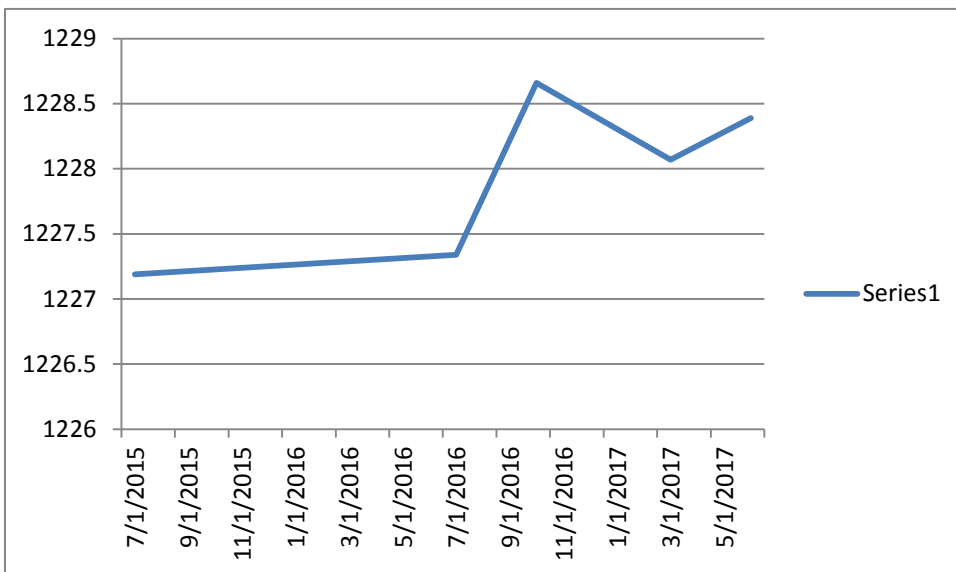
DairiConcepts, Chili, WI - MW-3A - Post Remediation

Date	Series 1 Benzene	Series 2 Ethylbenzene	Series 3 Naphthalene	Series 4 Toluene	Series 5 Total TMBs	Series 6 Total Xylenes
7/7/2015	8300	21000	6000	68000	56000	110000
7/11/2016	4000	1600	530	16000	2470	11000
10/17/2016	3000	1500	400	11000	1670	8100
3/22/2017	2900	1200	260	11000	1790	6300
6/1/2017	3200	1600	450	12000	2430	8100



Series 1
Groundwater Elevation

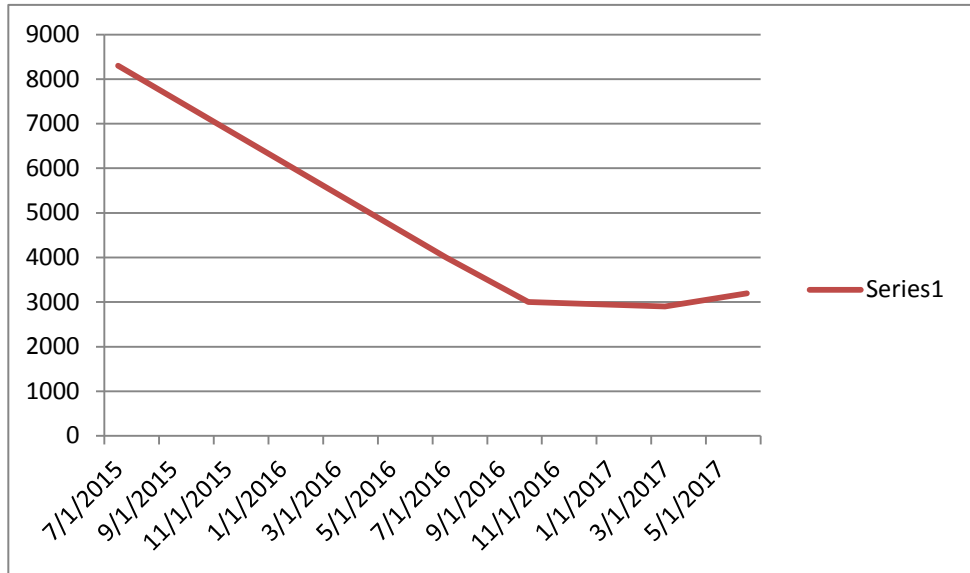
Date	Series 1 Groundwater Elevation
7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39



DairiConcepts, Chili, WI - MW-3A - Post Remediation

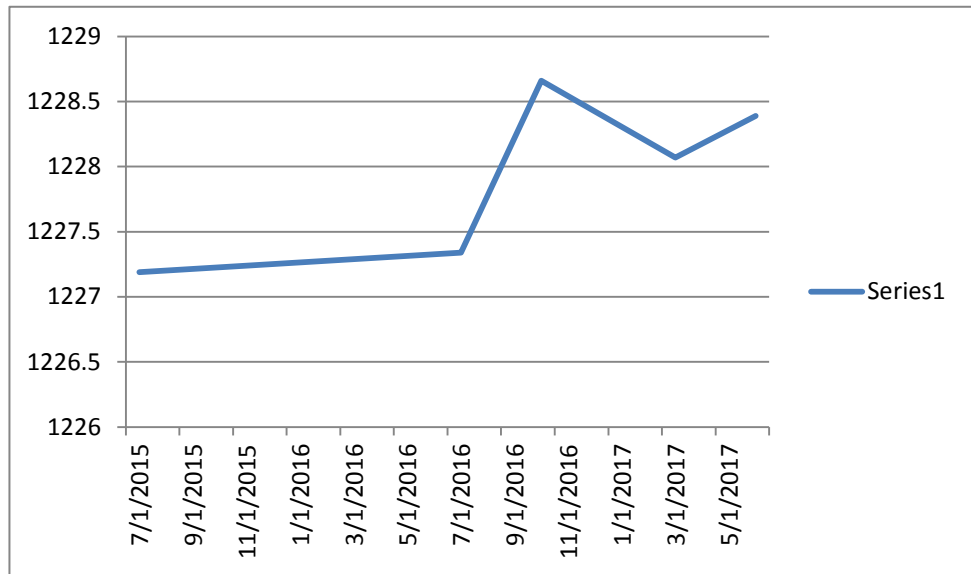
Date Series 1
Benzene

7/7/2015	8300
7/11/2016	4000
10/17/2016	3000
3/22/2017	2900
6/1/2017	3200



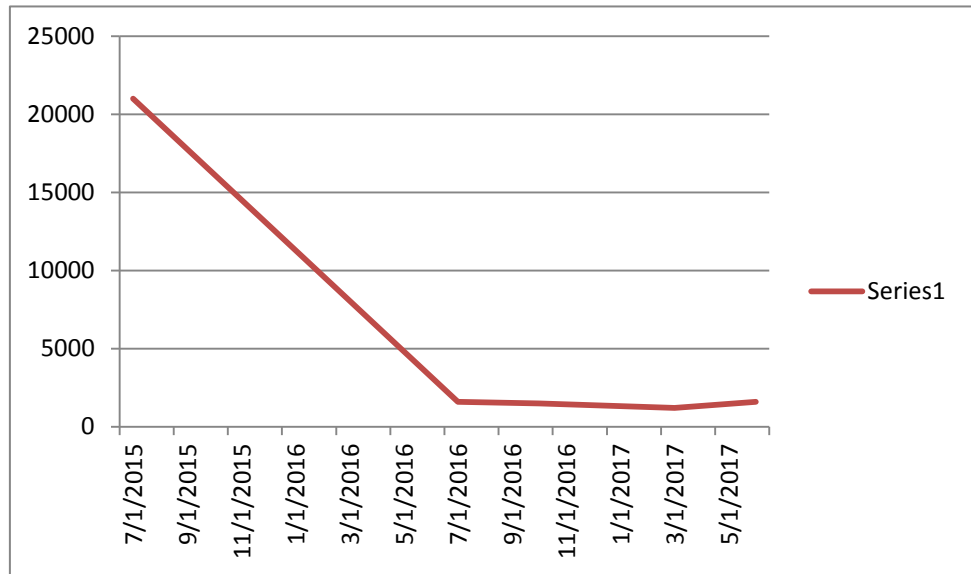
Date Series 1
Groundwater Elevation

7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39

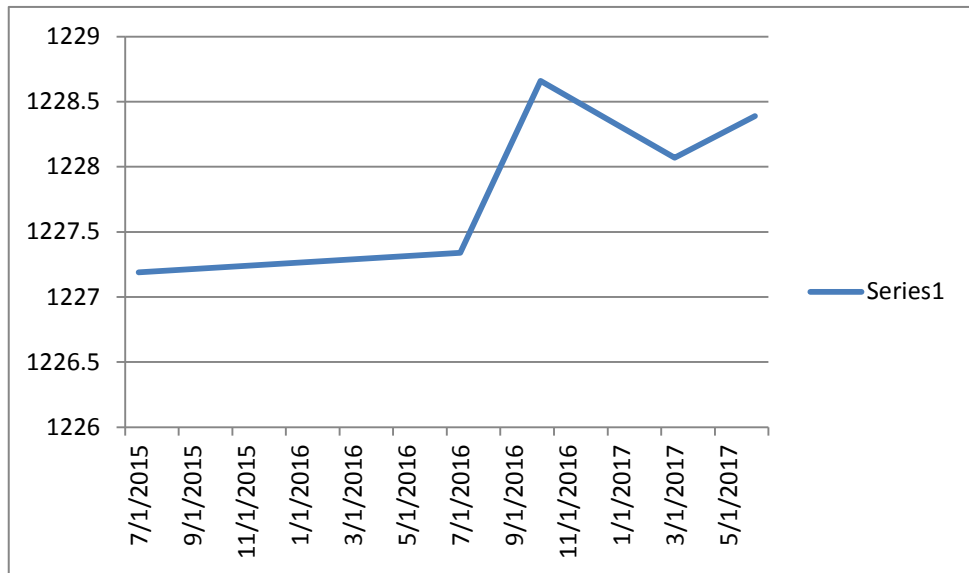


DairiConcepts, Chili, WI - MW-3A - Post Remediation

Date	Series 1 Ethylbenzene
7/7/2015	21000
7/11/2016	1600
10/17/2016	1500
3/22/2017	1200
6/1/2017	1600



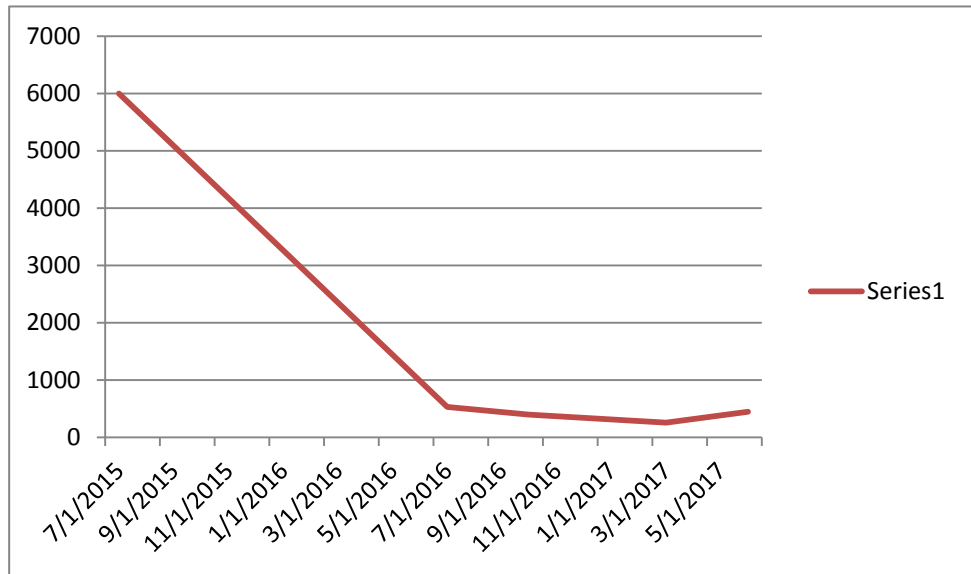
Date	Series 1 Groundwater Elevation
7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39



DairiConcepts, Chili, WI - MW-3A - Post Remediation

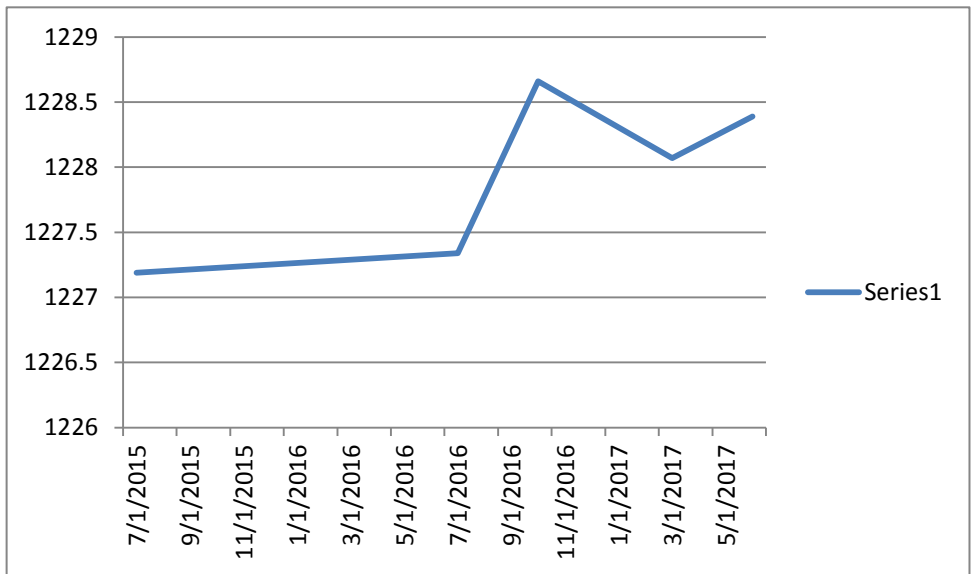
Date Series 1
Naphthalene

7/7/2015	6000
7/11/2016	530
10/17/2016	400
3/22/2017	260
6/1/2017	450



Date Series 1
Groundwater Elevation

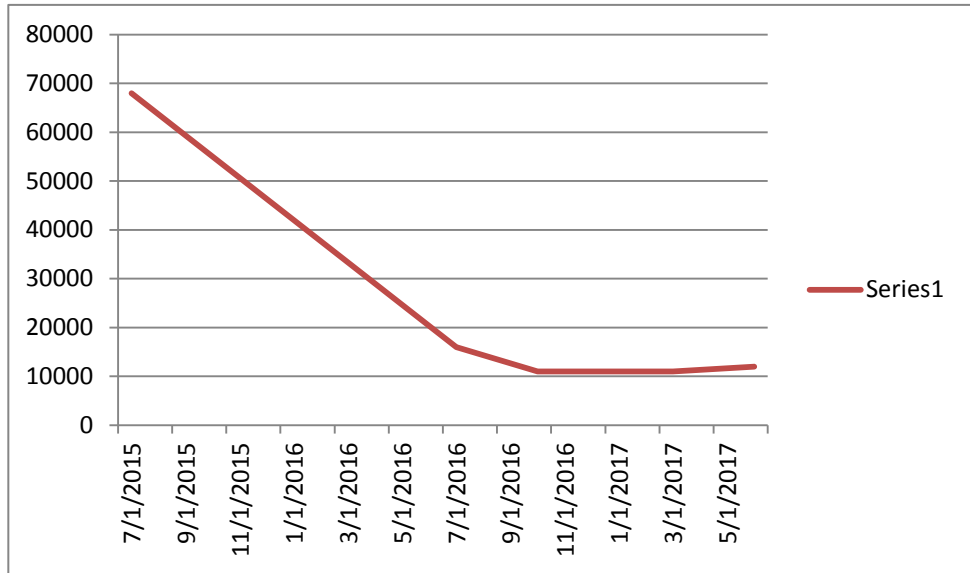
7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39



DairiConcepts, Chili, WI - MW-3A - Post Remediation

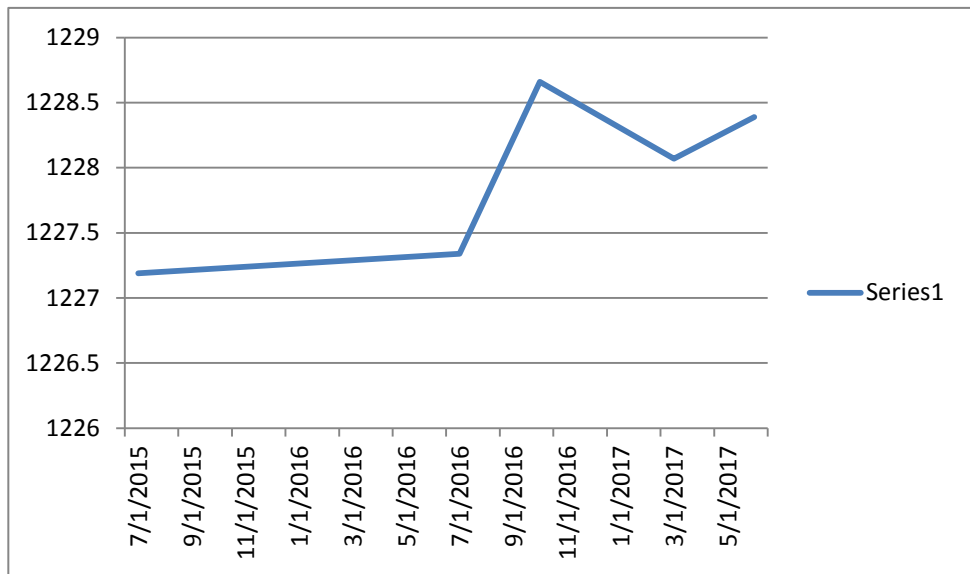
Date Series 1
Toluene

7/7/2015	68000
7/11/2016	16000
10/17/2016	11000
3/22/2017	11000
6/1/2017	12000



Date Series 1
Groundwater Elevation

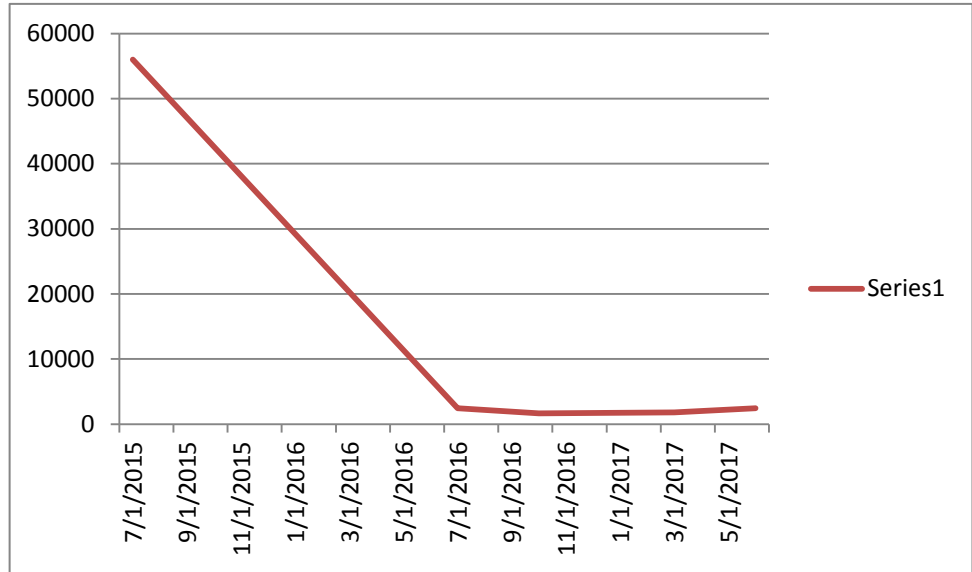
7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39



DairiConcepts, Chili, WI - MW-3A - Post Remediation

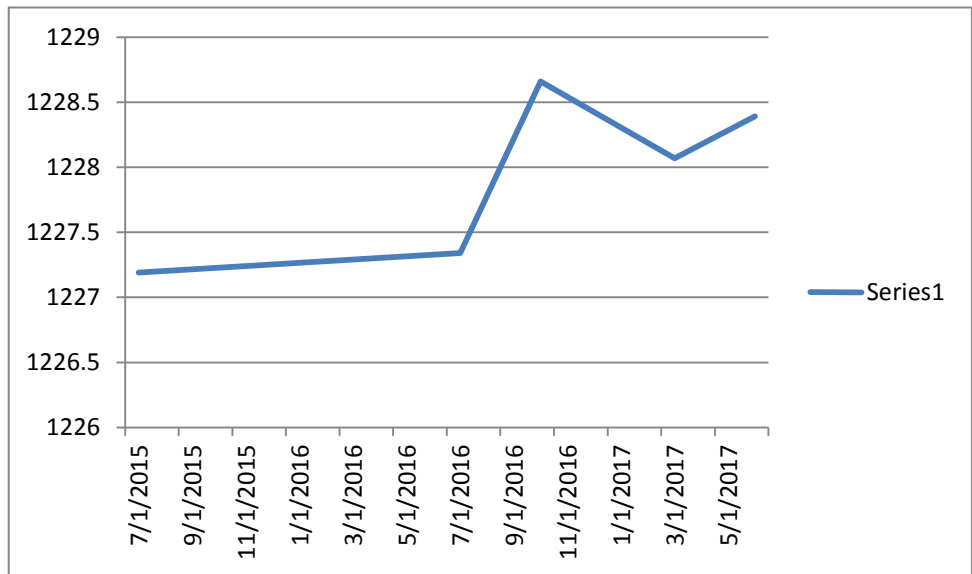
Date Series 1
Total TMBs

7/7/2015	56000
7/11/2016	2470
10/17/2016	1670
3/22/2017	1790
6/1/2017	2430



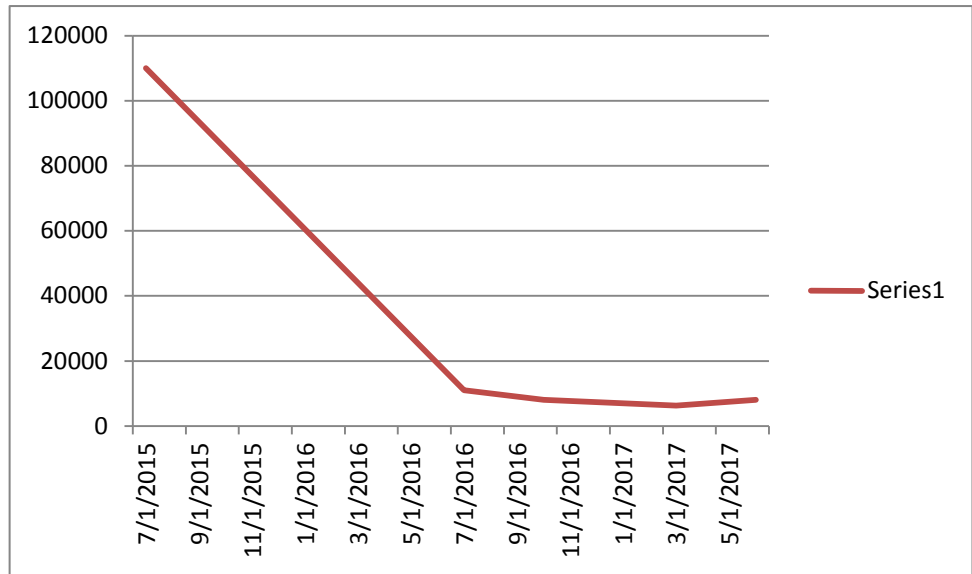
Date Series 1
Groundwater Elevation

7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39

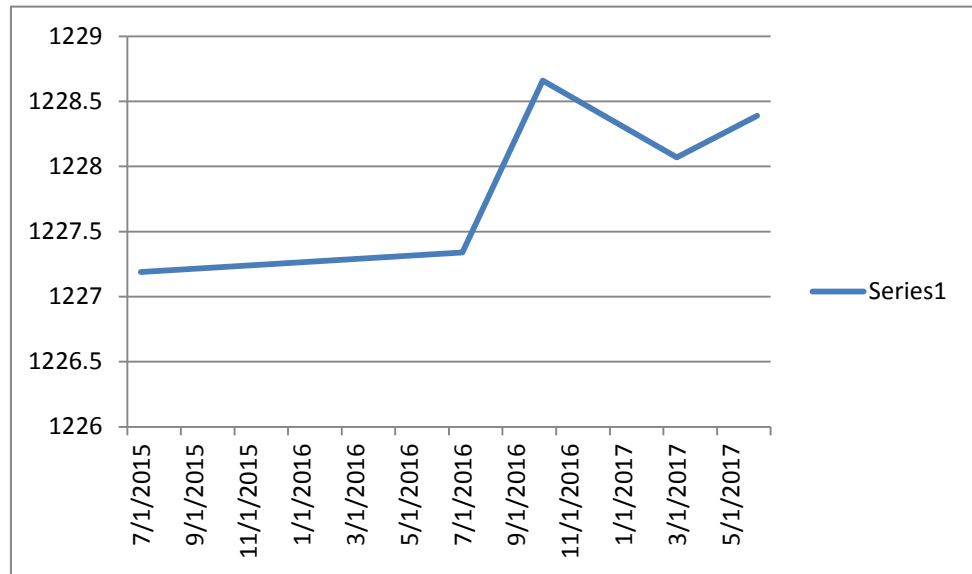


DairiConcepts, Chili, WI - MW-3A - Post Remediation

Date	Series 1 Total Xylenes
7/7/2015	110000
7/11/2016	11000
10/17/2016	8100
3/22/2017	6300
6/1/2017	8100

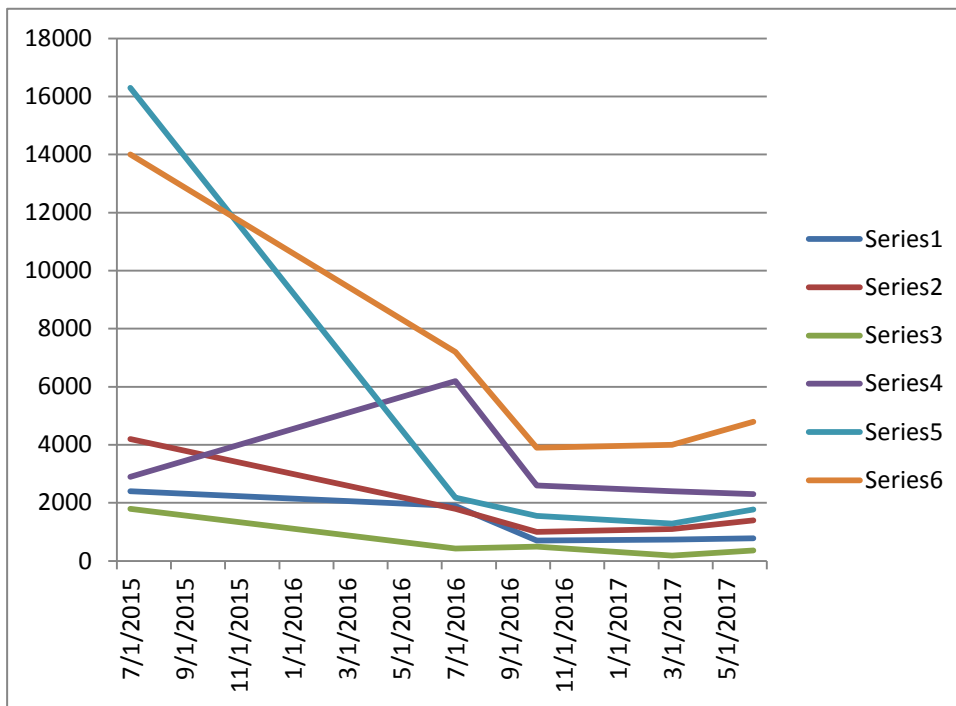


Date	Series 1 Groundwater Elevation
7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39



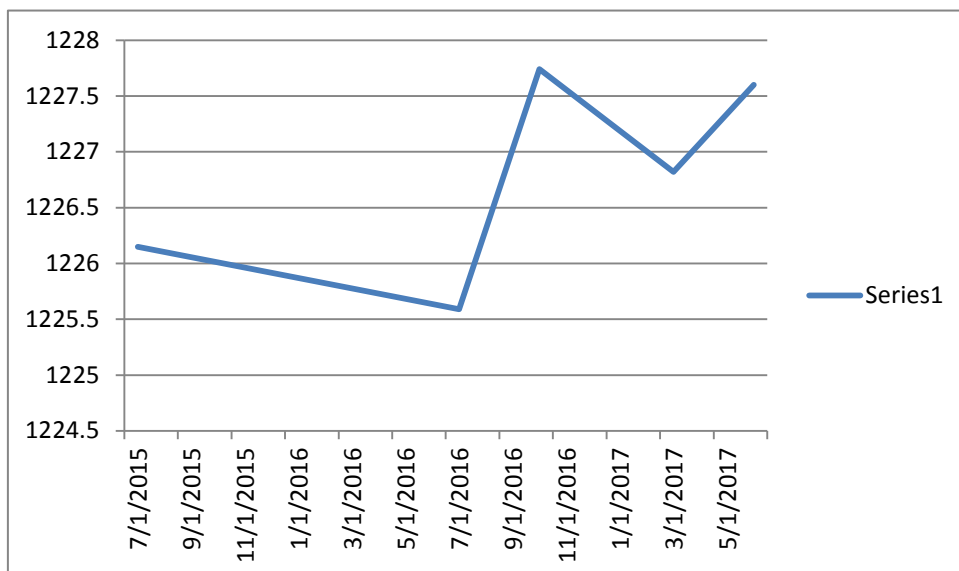
DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

Date	Series 1 Benzene	Series 2 Ethylbenzene	Series 2 Naphthalene	Series 4 Toluene	Series 5 Total TMBs	Series 6 Total Xylenes
7/7/2015	2400	4200	1800	2900	16300	14000
7/11/2016	1900	1800	430	6200	2180	7200
10/17/2016	700	1000	500	2600	1550	3900
3/22/2017	740	1100	190	2400	1290	4000
6/1/2017	780	1400	360	2300	1770	4800



Series 1
Groundwater Elevation

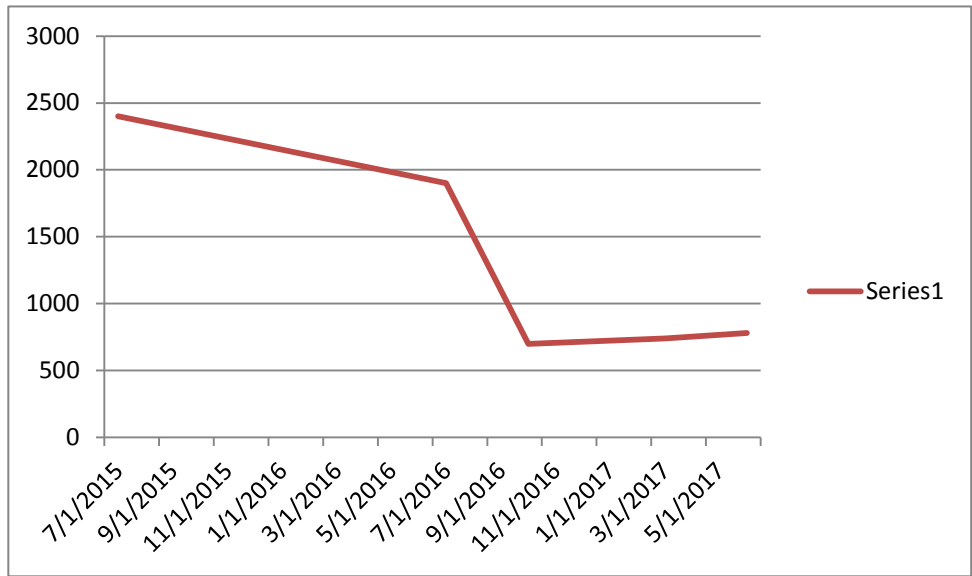
7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60



DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

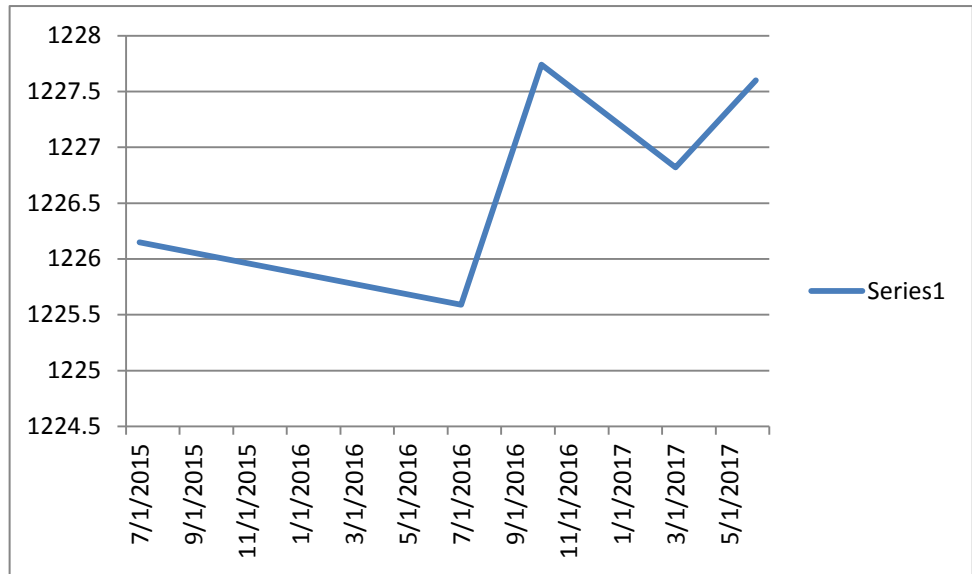
Date Series 1
Benzene

7/7/2015	2400
7/11/2016	1900
10/17/2016	700
3/22/2017	740
6/1/2017	780



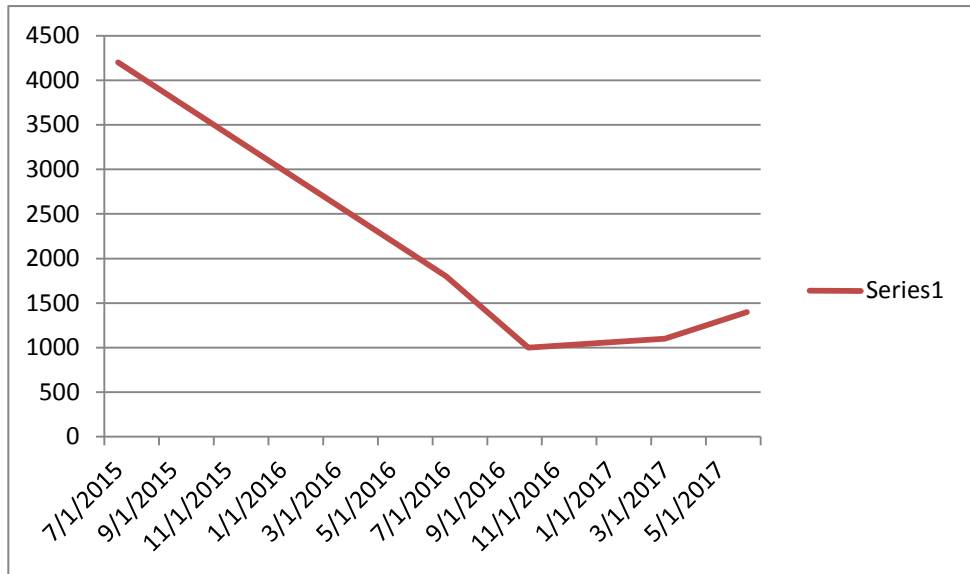
Date Series 1
Groundwater Elevation

7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60

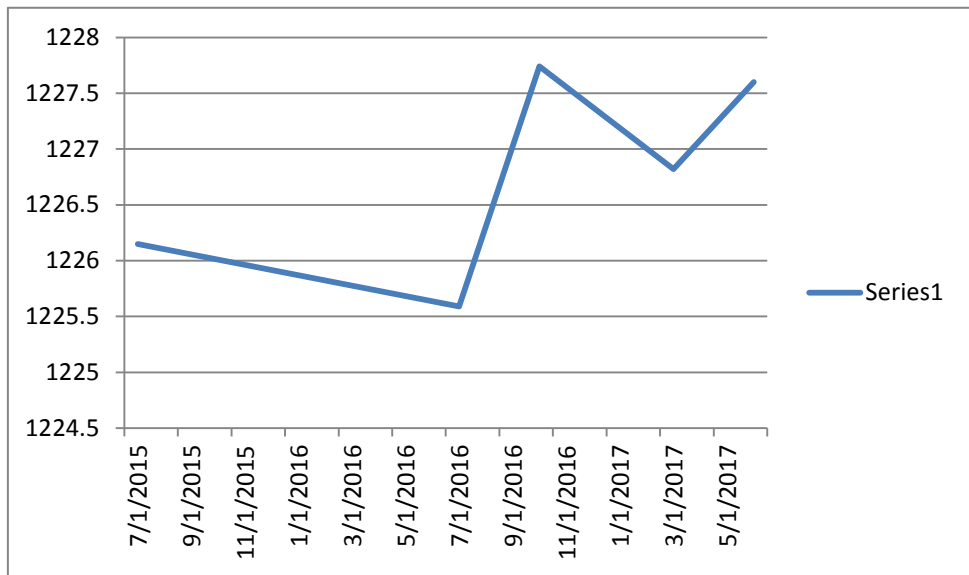


DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

Date	Series 1 Ethylbenzene
7/7/2015	4200
7/11/2016	1800
10/17/2016	1000
3/22/2017	1100
6/1/2017	1400



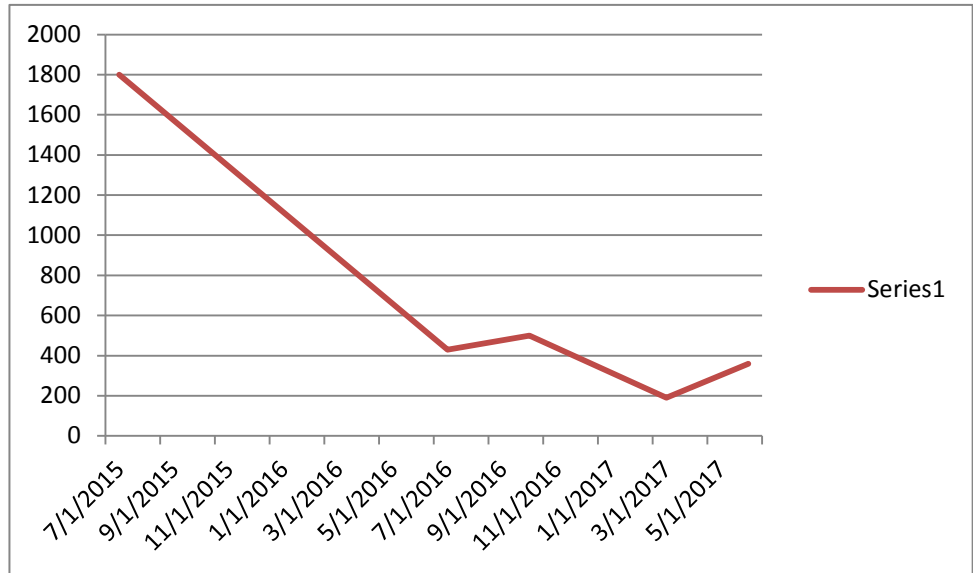
Date	Series 1 Groundwater Elevation
7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60



DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

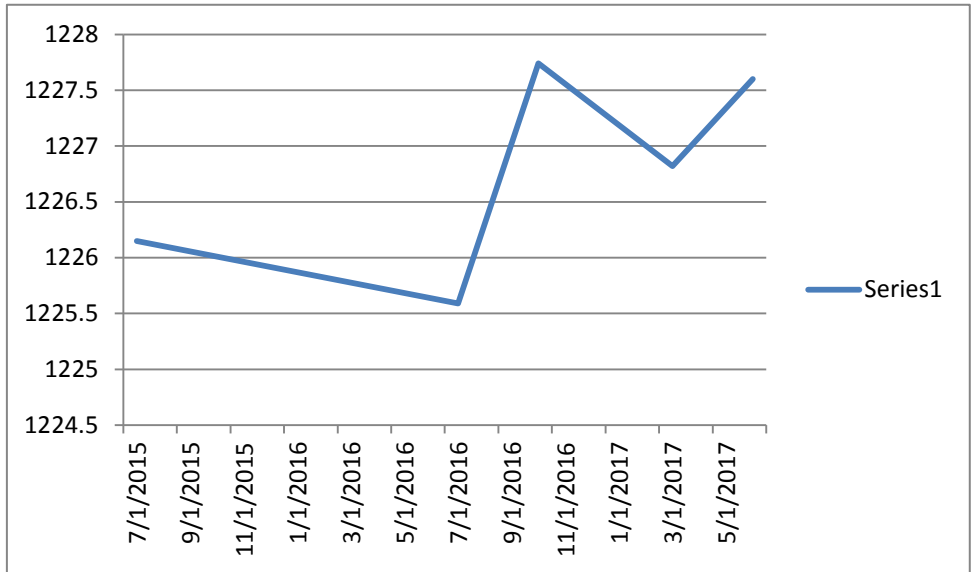
Date Series 1
Naphthalene

7/7/2015	1800
7/11/2016	430
10/17/2016	500
3/22/2017	190
6/1/2017	360



Date Series 1
Groundwater Elevation

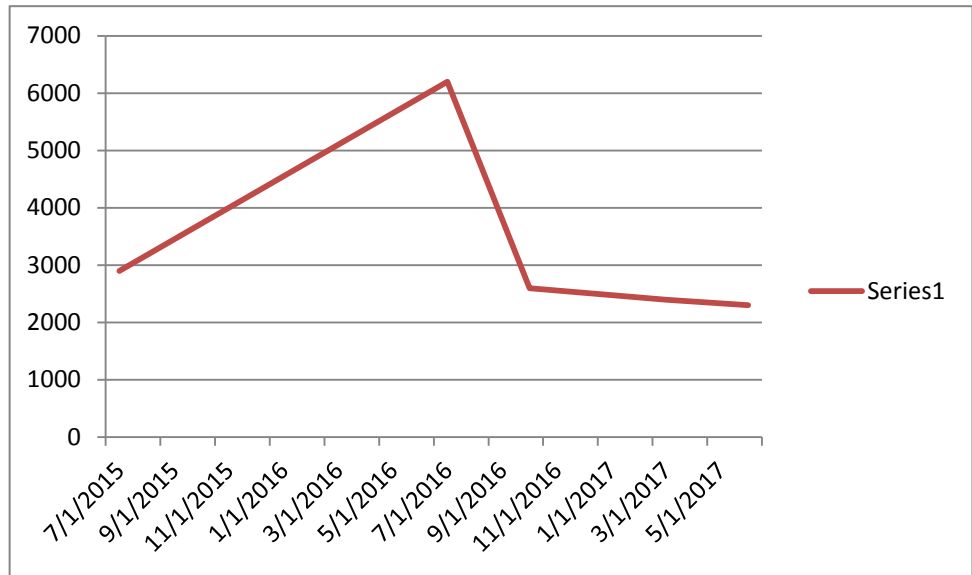
7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60



DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

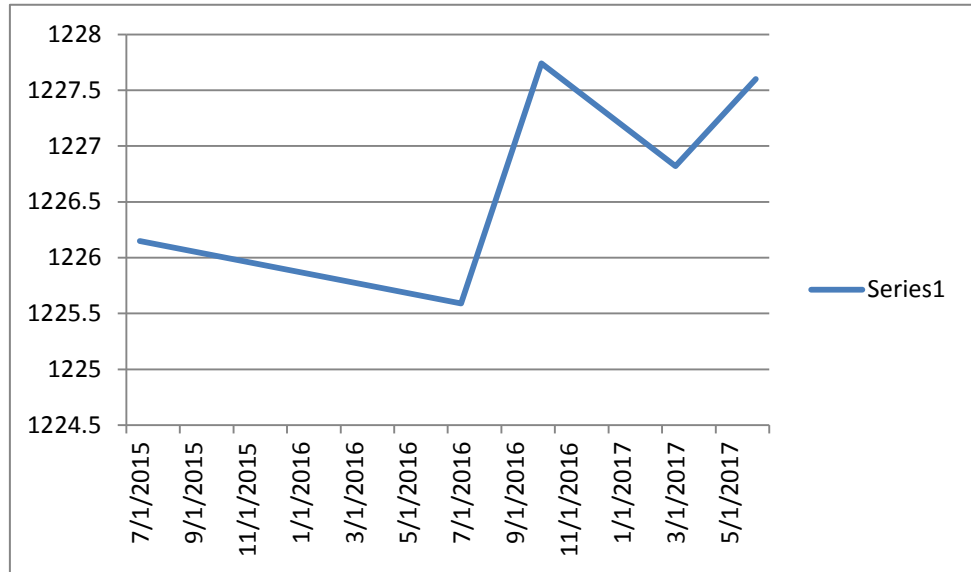
Date Series 1
Toluene

7/7/2015	2900
7/11/2016	6200
10/17/2016	2600
3/22/2017	2400
6/1/2017	2300



Date Series 1
Groundwater Elevation

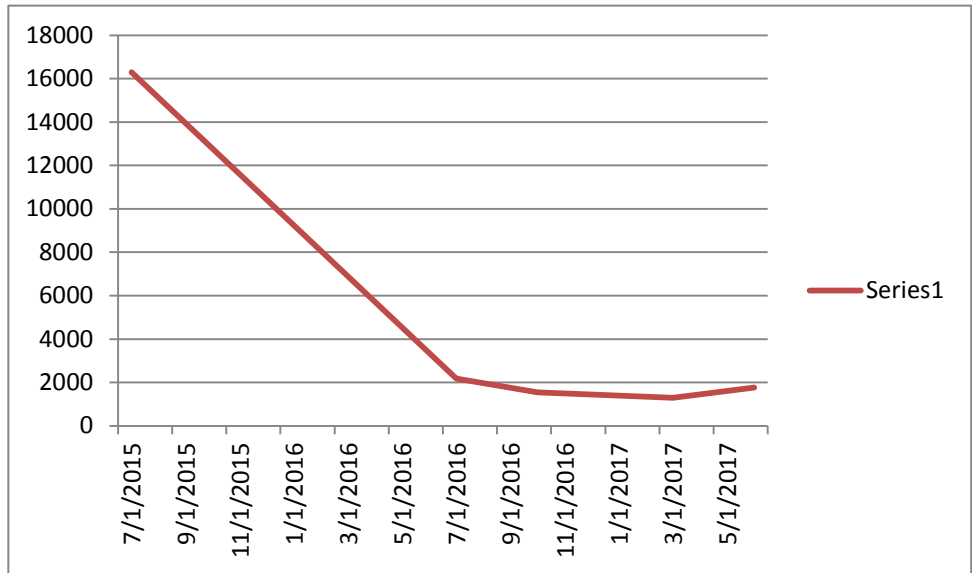
7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60



DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

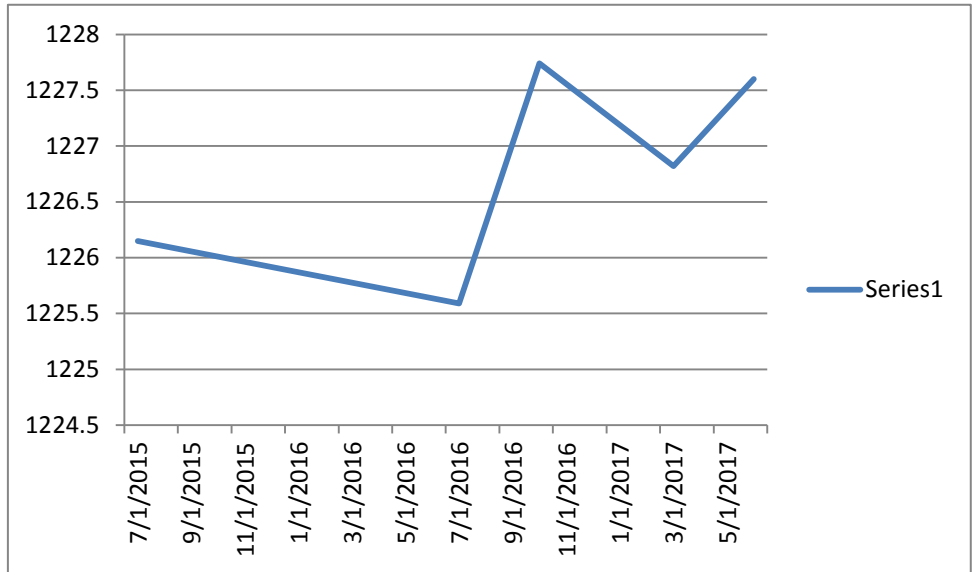
Date Series 1
Total TMBs

7/7/2015	16300
7/11/2016	2180
10/17/2016	1550
3/22/2017	1290
6/1/2017	1770



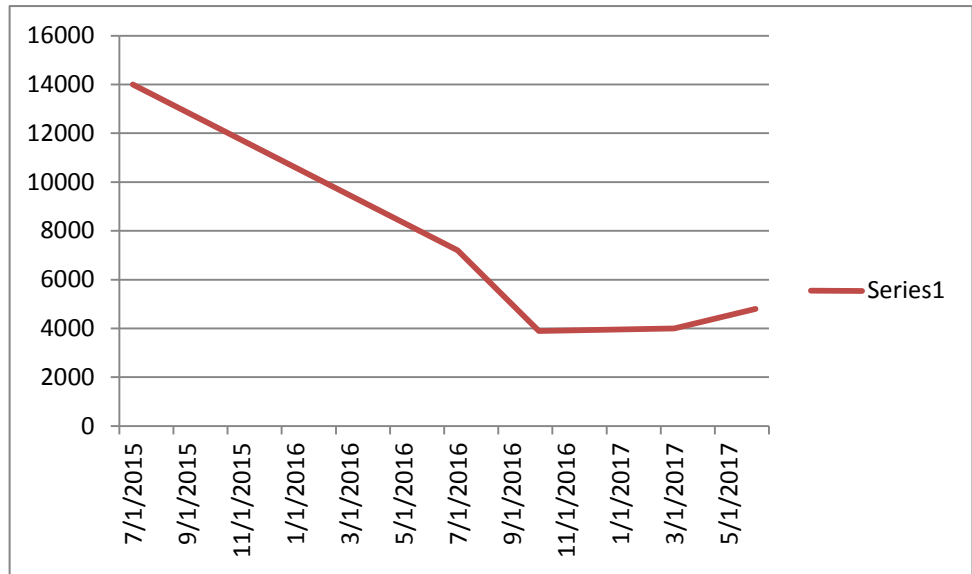
Date Series 1
Groundwater Elevation

7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60

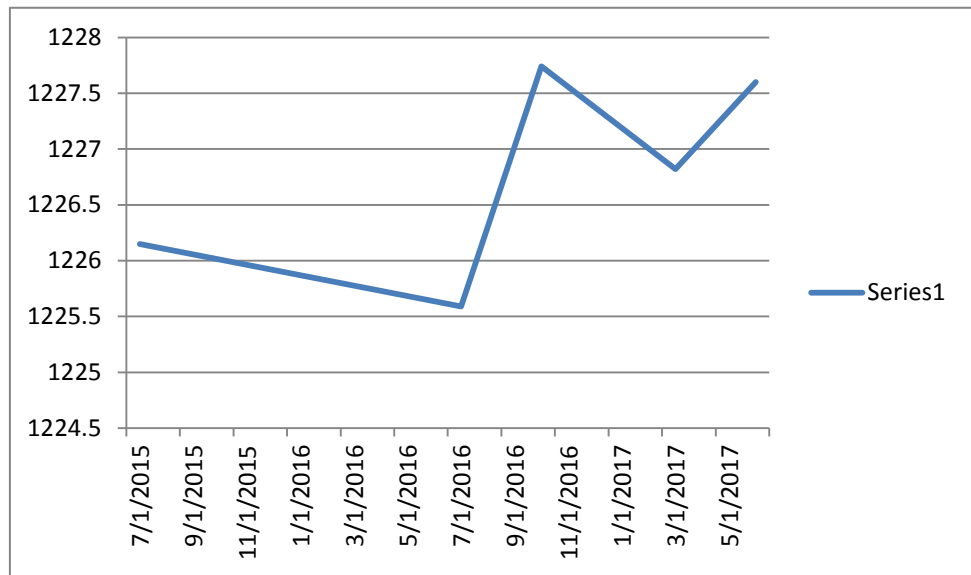


DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

Date	Series 1 Total Xylenes
7/7/2015	14000
7/11/2016	7200
10/17/2016	3900
3/22/2017	4000
6/1/2017	4800

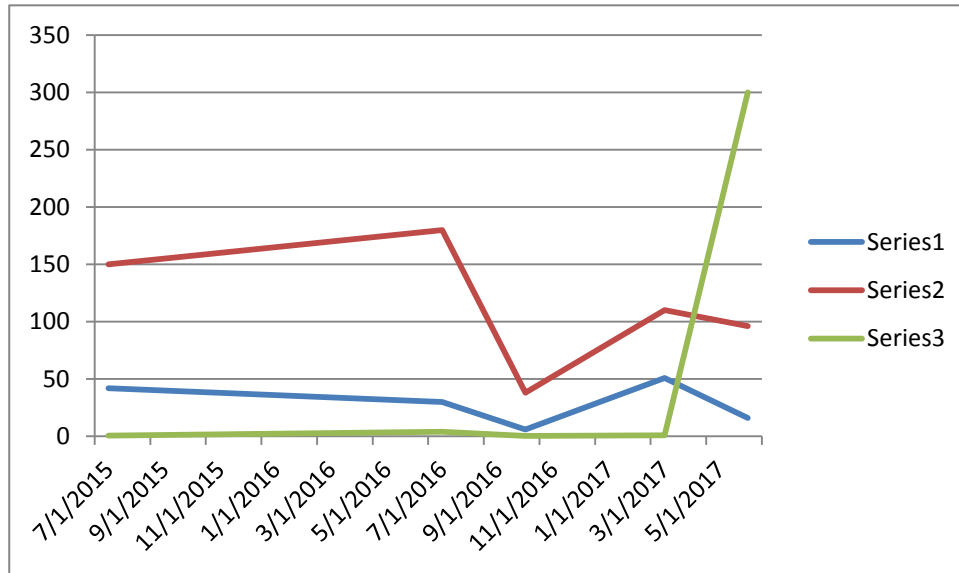


Date	Series 1 Groundwater Elevation
7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60

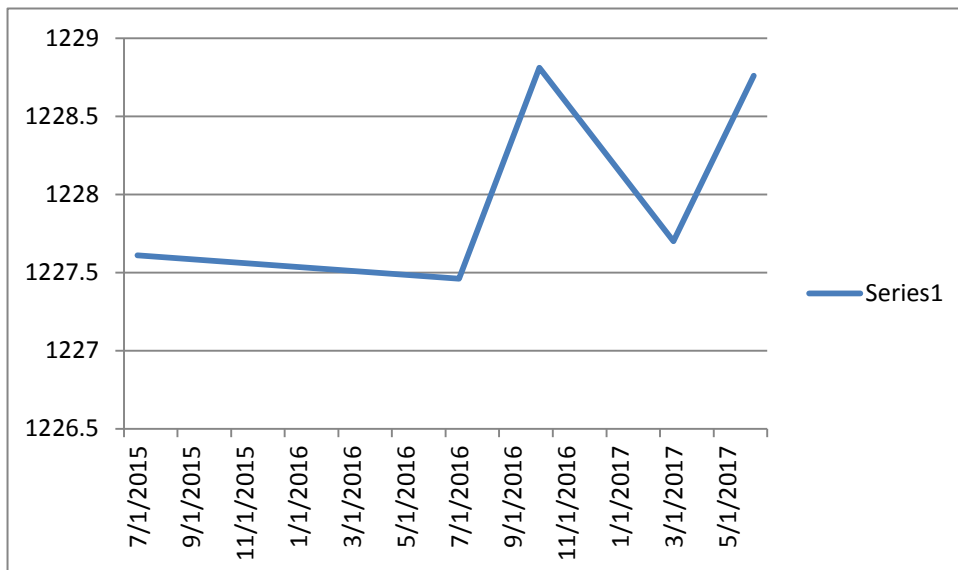


DairiConcepts, Chili, WI - MW-5A - Post Remediation

Date	Series 1 Benzene	Series 2 Naphthalene	Series 3 MTBE
7/7/2015	42	150	0.6
7/11/2016	30	180	3.95
10/17/2016	6	38	0.425
3/22/2017	51	110	1
6/1/2017	16	96	300

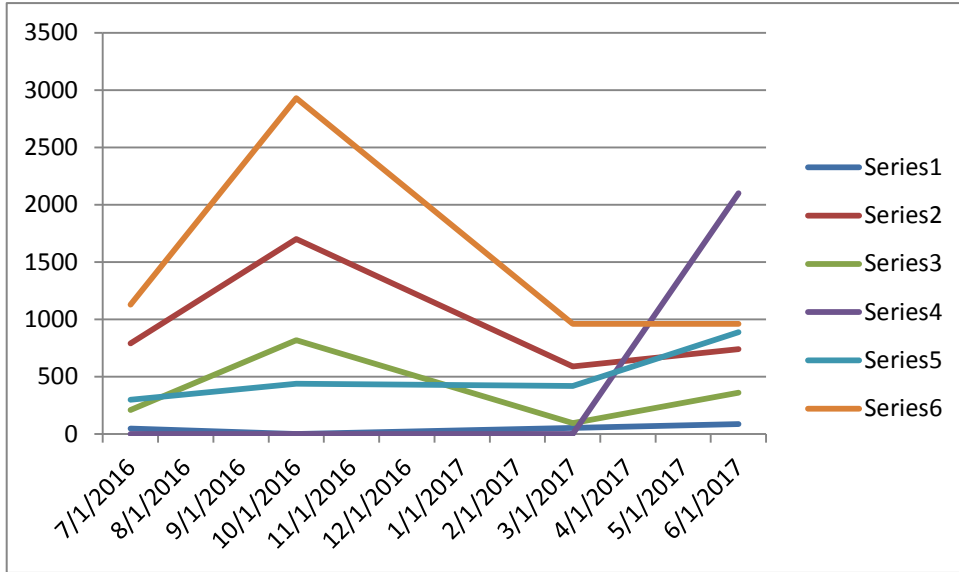


Date	Series 1 Groundwater Elevation
7/7/2015	1227.61
7/11/2016	1227.46
10/17/2016	1228.81
3/22/2017	1227.70
6/1/2017	1228.76



DairiConcepts, Chili, WI - MW-10 - Post Remediation

Date	Series 1 Benzene	Series 2 Ethylbenzene	Series 3 Naphthalene	Series 4 MTBE	Series 5 Toluene	Series 6 TMBs
7/11/2016	49	790	210	1	300	1130
10/17/2016	1	1700	820	0.85	440	2930
3/22/2017	54	590	97	1	420	960
6/1/2017	87	740	360	2100	890	960



Series 1
Groundwater Elevation

Date	Series 1
7/11/2016	1225.57
10/17/2016	1227.88
3/22/2017	1226.92
6/1/2017	1227.69

