AMERICAN ENGINEERING TESTING, INC.

CONSULTANTS
· ENVIRONMENTAL
· GEOTECHNICAL
· MATERIALS
· FORENSICS

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:

August 8, 2018

Prepared for:

Dairy Farmers of America
1405 N. 98th Street
Kansas City, KS 66111

www.amengtest.com

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August 8, 2018

Dairy Farmers of America
1405 N. 98th Street
Kansas City, KS 66111

Attn: Steve Moore & Stacy Doing
smoore@dfamilk.com 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.

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.

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

TABLE OF CONTENTS
AET PROJECT NO. 03-05510

TABLES

FIGURES

APPENDIXES

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 DairiConcepts 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 were 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) were 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, in the adjacent road right-of-ways, and in off-site properties in an area approximately 230 feet northwest-southeast and 140 feet wide. The extent of impact is defined by the lack of contamination in groundwater monitoring wells CMW-1, MW-6A, MW-7A, MW-W, MW-E, MW-6, MW-1A, PZ-7, and MW-7. Petroleum constituent concentrations in the source wells are generally increasing or unstable over time. Free product is present in monitoring wells MW-3A and MW-10.

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 four 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 attention 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 four rounds of monitoring ranges from 3.52 to 13.41 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.

- Wisconsin Administrative Code (WAC) 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 east or southeast flow trend was inferred from the measured groundwater elevations; 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 and vertical 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:

- 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.

AET completed a groundwater monitoring report on the Site, and the results are included in our report of Project No. 03-05510 dated June 30, 2017. Refer to that report for background and

supplemental information. The purpose of the remedial action was to evaluate the effect of soil remediation on groundwater quality and to determine stability of the groundwater contamination plume and the feasibility of using natural attention as a closure option for the remaining residual contamination. The groundwater monitoring report revealed the following:

- Groundwater monitoring shows that petroleum constituents are present at concentrations exceeding NR 140 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 recommended continued groundwater monitoring on a quarterly basis to evaluate the effects of soil remediation, to determine a stable or decreasing contaminant plume, and the feasibility of natural attenuation as a remedial measure to attain Site closure.

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.
- 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 four rounds of groundwater samples from seven groundwater monitoring wells and two rounds of groundwater samples from 10 groundwater wells by purging each well and collecting a sample using a disposable bailer. Bailer samples were emptied into the appropriately preserved containers, and all samples were packed in a cooler and shipped with the chain of custody record. AET also collected one round of groundwater samples from four potable wells.

AET submitted groundwater samples to Test America laboratory for chemical analyses. Groundwater samples were analyzed for PVOCs, 1,2-DCA, and/or naphthalene and 1,2-dibromoethane (EDB) 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

Quarterly groundwater samples were collected on September 8 and December 4, 2017, and April 30 and July 9, 2018. Depth to groundwater was measured prior to purging and sampling each well. Depth to groundwater ranged from 3.52 to 13.41 feet bgs in the monitoring wells. Groundwater elevation data is summarized in **Table 1**.

Active free product removal was conducted on two groundwater monitoring wells (MW-3A & MW-10). Product removal was completed during each groundwater sampling event and on June 5, 2018. Product thickness ranged from 0.5 to 1.0 inches (MW-3A) and 3 to 15 inches (MW-10). An absorbent sock was left in each well between sampling events. Drums of product and water were picked up by Advanced Tank Service Inc., Eau Claire, WI in August & December 2017 and

May 2018. Currently one 55-gallon drum of water and product remains on-site. Free product removal is summarized in **Table 3**.

4.2 Laboratory Analysis

Appendix C 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 has 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 July 9, 2018 and contaminant concentrations exceeding ESs were detected in monitoring wells MW-3A, MW-4R, MW-4A, MW-5A, and MW-10.

Benzene concentrations above the ES of five parts per billion (ppb) were detected in monitoring wells MW-3A (2,100 ppb), MW-4R (300 ppb), MW-4A (110 ppb), MW-5A (48 ppb), and MW-10 (340 ppb). An EDB concentration above the ES of 0.05 ppb was detected in monitoring well MW-3A at 37 ppb. Ethylbenzene concentrations above the ES of 700 ppb were detected in monitoring wells MW-3A (1,500 ppb), MW-4R (1,100 ppb), and MW-10 (1,000 ppb). Naphthalene concentrations above the ES of 100 ppb were detected in monitoring wells MW-3A (110 ppb), MW-5A (140 ppb), and MW-10 (1,100 ppb). Toluene concentrations above the ES of 800 ppb were detected in monitoring wells MW-3A (9,500 ppb) and MW-10 (1,200 ppb). Total TMB concentrations above the ES of 480 ppb were detected in monitoring wells MW-3A (2,350 ppb), MW-4R (2,320 ppb), MW-5A (910 ppb), and MW-10 (1,820 ppb). Total xylene concentrations above the ES of 2,000 ppb were detected in monitoring wells MW-3A (7,900 ppb), MW-4R (3,700 ppb), and MW-10 (3,000 ppb).

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

Groundwater analytical results and groundwater elevation data are summarized in **Tables 1 and 2,** and depicted in **Figures 3,4, 5, and 6**.

5.0 DISCUSSION AND OPINIONS

5.1 Soil Contamination Conditions

From previous investigations, 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 also 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, the adjacent road right-of-way, and off-site properties to the west. Groundwater contamination extends in a plume approximately 230 feet by 140 feet surrounding monitoring wells MW-3A, MW-4A, MW-4R, MW-5A, and MW-10.

Measured groundwater elevations from July 2018 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, 5, and 6**.

We've reviewed the stability of the groundwater plume at MW-3A, MW-4A, 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 assess trends of the groundwater quality in these wells and the relationship to fluctuations of the water table. Petroleum constituent concentrations in the source wells show great variability over time. Concentrations in well MW-3A are generally decreasing, however during two of the last four rounds of sampling free product has been present. Concentrations of benzene and naphthalene in well MW-4A and MW-5A are increasing. Free product has also begun to accumulate in monitoring well MW-10. This increase in benzene and naphthalene concentrations, and the occurrence of free product, appears to be associated with the increase and then subsequent decrease of the water table after July 2017. The source of the higher

concentrations and free product may be from the lower part of the smear zone where free product is present. **Appendix D** 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 the 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. The groundwater monitoring data will be reviewed to assess the potential effect of the smear zone on contaminant concentrations from fluctuations in the water table.

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 6)

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
	September 8, 2017			10.94	1224.44
	December 4, 2017			11.09	1224.29
	April 30, 2018			9.73	1225.65
	July 9, 2018			10.69	1224.69
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
	September 8, 2017			9.35	1224.19
	December 4, 2017			9.50	1224.04
	April 30, 2018			8.11	1225.43
	July 9, 2018			9.09	1224.45

TABLE 1 (page 2 of 6)

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
	September 8, 2017			9.65	1226.24
	December 4, 2017			10.95	1224.94
	July 9, 2018			10.59	1225.30
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
	September 8, 2017			12.23	1224.60
	December 4, 2017			12.46	1224.37
	April 30, 2018			11.17	1225.66
	July 9, 2018			11.92	1224.91
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
	September 8, 2017			11.15	1224.43
	December 4, 2017			11.43	1224.15
	April 30, 2018			10.15	1225.43
	July 9, 2018			10.83	1224.75

TABLE 1 (page 3 of 6)

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
	September 8, 2017			12.57	1226.10
	December 4, 2017			13.45	1225.22
	April 30, 2018			11.36	1227.31
	July 9, 2018			12.21	1226.46
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
	September 8, 2017			10.01	1226.40
	December 4, 2017			10.93	1225.48
	April 30, 2018			9.90	1226.51
	July 9, 2018			9.98	1226.43
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
	September 8, 2017			12.51	1224.39
	December 4, 2017			13.41	1223.49
	April 30, 2018			11.35	1225.55
	July 9, 2018			12.20	1224.70
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
	September 8, 2017			10.86	1225.41
	December 4, 2017			11.14	1225.13
	April 30, 2018			10.56	1225.71
	July 9, 2018			10.42	1225.85

TABLE 1 (page 4 of 6)

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
	September 8, 2017			8.96	1224.53
	December 4, 2017			9.15	1224.34
	April 30, 2018			7.66	1225.83
	July 9, 2018			8.61	1224.88
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
	September 8, 2017			9.18	1225.19
	December 4, 2017			9.46	1224.91
	April 30, 2018			8.19	1226.18
	July 9, 2018			8.89	1225.48
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
	September 8, 2017			11.54	1222.05
	December 4, 2017			11.65	1221.94
	April 30, 2018			10.94	1222.65
	July 9, 2018			11.44	1222.15

TABLE 1 (page 5 of 6)

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
	September 8, 2017			6.73	1224.92
	December 4, 2017			6.88	1224.77
	April 30, 2018			5.16	1226.49
	July 9, 2018			6.49	1225.16
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
	September 8, 2017			16.10	1224.77
	December 4, 2017			16.21	1224.66
	July 9, 2018			15.87	1225.00
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
	September 8, 2017			9.69	1224.95
	December 4, 2017			9.97	1224.67
	April 30, 2018			8.80	1225.84
	July 9, 2018			9.39	1225.25

TABLE 1 (page 6 of 6)

GROUNDWATER ELEVATIONS

DAIRICONCEPTS SITE, CHILI, WISCONSIN

Well Number	Date	Well Depth	TOC Elevation	Depth to Water	Water Table Elevation
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
	September 8, 2017			13.19	1224.22
	December 4, 2017			14.09	1223.32
	April 30, 2018			11.96	1225.45
	July 9, 2018			12.95	1224.46
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
	September 8, 2017			10.78	1226.77
	December 4, 2017			11.69	1225.86
	April 30, 2018			10.60	1226.95
	July 9, 2018			10.41	1227.14
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
	September 8, 2017			13.60	1227.23
	December 4, 2017			14.43	1226.40
	April 30, 2018			13.53	1227.30
	July 9, 2018			13.27	1227.56

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	9/8/17	12/4/17	4/30/18	7/9/18		
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	1224.44	1224.29	1225.65	1224.69		
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**	***6***	< 0.15	**2.5**	**3.7**	*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**	< 0.39	< 0.39	**3.3**	**1.8**	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	< 0.39	*0.05*	*0.005*
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	< 0.18	< 0.18	< 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	< 0.39	< 0.39	< 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	< 0.34	< 0.34	< 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	< 0.15	< 0.15	< 0.15	0.38	*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	< 0.36	< 0.36	< 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	< 0.22	< 0.22	< 0.22	< 0.22	*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): 20

TOC Elevation (feet): 1235.38

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		
ANALYTE													*ES*	*PAL*
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

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

Well Depth (feet):	20
TOC Elevation (feet):	1235.38
Date Installed:	9-Aug-06

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	9/8/17	4/30/18		
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	1224.19	1225.43		
ANALYTE																		*ES*	*PAL*
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	< 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	< 0.39	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	*0.05*	*0.005*
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	< 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	< 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	< 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	< 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	< 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	< 0.22	< 0.22	*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): 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	9/8/17	12/4/17	4/30/18	7/9/18		
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	1226.24	1224.94	---	1225.30		
ANALYTE																		*ES*	*PAL*
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***	***2,200***	***1,700***	***2,900***	***2,100***	*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	< 7.8	< 7.8	< 7.8	< 2	*5*	*0.5*
EDB	---	***300***	***160***	< 150	---	---	---	---	---	---	---	***56***	***45***	< 7.7	---	*< 7.7*	***37***	*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***	***1,700***	***3,600***	***2,600***	***1,500***	*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	< 7.9	< 7.9	< 7.9	< 2	*60*	*12*
Naphthalene	***218***	***1,500***	***320***	***807***	***897***	***150***	***840***	***280***	***6,000***	***530***	***400***	***260***	***450***	***340***	***1,700***	***750***	***110***	*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***	***15,000***	***11,000***	***18,000***	***9,500***	*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***	***1,840***	***10,900***	***4,600***	***2,350***	*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***	***8,700***	***17,000***	***16,000***	***7,900***	*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):	20
TOC Elevation (feet):	1235.89
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	9/8/17	12/4/17	4/30/18	7/9/18		
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	1224.60	1224.37	1225.66	1224.91		
ANALYTE																			*ES*	*PAL*
VOCs/PVOCs (ppb)																				
Benzene	***1,660***	***164***	***110***	***1,900***	***1,780***	***1,430***	***190***	***64***	***300***	***2,400***	***1,900***	***700***	***740***	***780***	***660***	***450***	***350***	***300***	*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	< 2	22	< 0.78	---	*5*	*0.5*
EDB	< 8	< 8	< 8	***23***	< 30	---	---	---	---	---	---	---	< 1.9	< 0.77	---	---	< 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***	***1,200***	***1,200***	***1,200***	***1,100***	*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	< 2	< 3.9	< 0.79	< 0.79	*60*	*12*
Naphthalene	< 30	**30**	***180***	***400***	***284***	***249***	**63**	< 3.2	**87**	***1,800***	***430***	***500***	***190***	***360***	***320***	***320***	***340***	**14**	*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***	***2,200***	***1,700***	***1,300***	**740**	*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***	***1,620***	***1,680***	***1,850***	***2,320***	*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***	***4,800***	***4,300***	***4,600***	***3,700***	*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.

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	9/8/17	12/4/17	4/30/18	7/9/18		
Elevation (ft)	1224.83	1222.23	1223.38	1221.18	1224.88	1225.98	1225.93	1225.43	1227.90	1226.80	1227.75	1224.43	1224.15	1225.43	1224.75		
ANALYTE																*ES*	*PAL*
VOCs/PVOCs (ppb)																	
Benzene	***1,600***	***1,850***	***1,840***	***1,000***	***600***	***24***	***28***	***28***	***36***	***13***	< 0.36	***66***	***180***	***21***	***110***	*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	< 2	< 0.39	< 0.78	---	*5*	*0.5*
EDB	< 8	***60.7***	---	---	---	---	---	---	---	< 0.39	---	---	---	< 0.77	---	*0.05*	*0.005*
Ethylbenzene	**200**	**610**	**492**	**290**	**180**	77	28	22	53	34	34	74	66	16	57	*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	< 2	< 0.39	< 0.79	< 0.39	*60*	*12*
Naphthalene	**72**	***144***	***111***	***140***	**26**	8.7	10	8.2	**32**	5.9	**44**	**20**	**12**	2.5	**19**	*100*	*10*
n-Propylbenzene	34	< 10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	160	**441**	**332**	75	84	31	6.6	4.5	12	6.4	8.6	8.9	5.9	6.9	9.1	*800*	*160*
1,2,4- & 1,3,5-TMB	**200**	**437**	***491***	**347**	**181**	**175**	81	21.8	65	54	67	54	26	19	65	*480*	*96*
Total Xylenes	300	**781**	**897**	380	320	110	46	34	71	42	39	88	57	30	82	*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	9/8/17	4/30/18	7/7/15	7/11/16	3/22/17	9/8/17	4/30/18	7/7/15	7/11/16	3/22/17	9/8/17	4/30/18		
Elevation (ft)	1223.70	1222.41	1220.77	1227.17	1226.89	1228.32	1226.10	1227.31	1226.77	1226.44	1227.64	1225.41	1225.71	1225.97	1225.75	1227.26	1225.19	1226.18		
ANALYTE																			*ES*	*PAL*
VOCs/PVOCs (ppb)																				
Benzene	***186***	***202***	***262***	**2.1**	***5.4***	***3.5***	***7.9***	**2.8**	< 0.074	< 0.15	< 0.15	< 0.15	< 0.15	< 0.074	< 0.15	< 0.15	Sample Broke	< 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	< 0.39	< 0.39	< 0.28	< 0.39	< 0.39	< 0.39	< 0.39	< 0.28	< 0.39	< 0.39	---	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	---	< 0.39	---	---	---	---	< 0.39	---	---	---	---	< 0.39	*0.05*	*0.005*
Ethylbenzene	28.4	34.6	19.7	1.8	1.8	1.7	2.2	0.36	< 0.13	< 0.18	< 0.18	< 0.18	< 0.18	< 0.13	< 0.18	< 0.18	---	< 0.18	*700*	*140*
Isopropylbenzene	28.4	34.6	19.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MTBE	---	---	---	< 0.24	< 0.39	< 0.39	< 0.39	< 0.39	< 0.24	< 0.39	< 0.39	< 0.39	< 0.39	< 0.24	< 0.39	< 0.39	---	< 0.39	*60*	*12*
Naphthalene	**24.1**	**26.2**	**31.1**	2.9	9.7	2.4	8.3	1.4	< 0.16	< 0.34	< 0.34	< 0.34	< 0.34	< 0.16	< 0.34	< 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	< 0.15	0.42	< 0.11	< 0.15	< 0.15	< 0.15	< 0.15	< 0.11	< 0.15	< 0.15	---	0.66	*800*	*160*
1,2,4- & 1,3,5-TMB	45.24	61.6	91.3	17	31.73	15.44	29	0.72	< 0.18	< 0.36	< 0.36	< 0.36	< 0.36	< 0.18	< 0.36	< 0.36	---	0.56	*480*	*96*
Total Xylenes	73.2	98.8	117.2	20	33	17	26	1.7	< 0.068	< 0.22	< 0.22	< 0.22	< 0.22	< 0.068	< 0.22	< 0.22	---	0.6	*2,000*	*400*

--- = not analyzed or no standard DCA = 1,2-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.

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	9/8/17	12/4/17	4/30/18	7/9/18		
Elevation (ft)	1225.56	1222.01	1224.81	1222.91	1226.31	1227.21	1227.61	1227.46	1228.81	1227.70	1228.76	1226.40	1225.48	1226.51	1226.43		
ANALYTE																*ES*	*PAL*
VOCs/PVOCs (ppb)																	
Benzene	< 200	***143***	***393***	***77***	***63***	***53***	***42***	***30***	***6***	***51***	***16***	***32***	***46***	***5.6***	***48***	*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	**3.6**	< 0.78	< 0.39	---	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	---	*0.05*	*0.005*
Ethylbenzene	***1,200***	***809***	***3,800***	***710***	**620**	**520**	**510**	**220**	55	**470**	**150**	**290**	**470**	140	**460**	*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***	< 0.39	< 0.79	< 0.39	< 0.39	*60*	*12*
Naphthalene	***4,200***	***203***	***2,640***	***190***	***200***	***160***	***150***	***180***	**38**	***110***	**96**	**92**	***200***	**65**	***140***	*100*	*10*
n-Propylbenzene	2,400	< 10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	***1,400***	***1,300***	***5,590***	***1,100***	**800**	**280**	**220**	72	12	120	42	49	84	11	46	*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**	***620***	***940***	***560***	***910***	*480*	*96*
Total Xylenes	***4,900***	***2,902***	***15,530***	***2,900***	**1,900**	**1,800**	**1,900**	**960**	180	330	**440**	**760**	**920**	320	**890**	*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):	1236.41
Date Installed:	12-Nov-07
Screen Length (feet):	10

TABLE 2 (page 9 of 16)

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	9/8/17	4/30/18		
Elevation (ft)	1223.58	1222.30	1220.60	1221.10	1225.10	1225.90	1225.70	1225.20	1226.61	1224.39	1225.55		
ANALYTE												*ES*	*PAL*
VOCs/PVOCs (ppb)													
Benzene	< 0.31	< 0.31	< 0.31	< 0.2	< 0.074	< 0.2	< 0.074	< 0.15	< 0.15	< 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	**0.76**	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	< 0.39	*0.05*	*0.005*
Ethylbenzene	< 0.5	< 0.5	< 0.5	< 0.19	< 0.13	< 0.19	0.52	< 0.18	< 0.18	< 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	< 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	< 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	< 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	< 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	< 0.22	< 0.22	*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):	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	9/8/17	12/4/17	4/30/18	7/9/18	
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	1224.53	1224.34	1225.83	1224.88	
ANALYTE																				*ES*	*PAL*
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**	Sample Broke	< 0.15	**4.8**	**4.4**	*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	---	**0.73**	**1.7**	**1.6**	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	< 0.39	*0.05*	*0.005*
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	---	< 0.18	< 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	---	< 0.39	< 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	---	0.58	< 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	---	0.17	< 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	< 0.36	---	< 0.36	< 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	---	< 0.22	< 0.22	< 0.22	*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):	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	9/8/17	4/30/18		
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	1222.05	1222.65		
ANALYTE																	*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	< 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	< 0.39	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	*0.05*	*0.005*
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	< 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	< 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	< 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	< 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	< 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	< 0.22	< 0.22	*2,000*	*400*

--- = not analyzed or no stan 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):	46.3
TOC Elevation (feet):	1233.59
Date Installed:	21-Apr-05
Screen Length (feet):	5

TABLE 2 (page 12 of 16)

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	9/8/17	4/30/18		
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	1224.92	1226.49		
ANALYTE																	*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	< 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	< 0.39	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	*0.05*	*0.005*
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	< 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	< 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	< 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	< 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	< 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	< 0.22	0.5	*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):	16.1
TOC Elevation (feet):	1231.65
Date Installed:	21-Apr-05
Screen Length (feet):	10

TABLE 2 (page 13 of 16)

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	9/8/17	12/4/17	4/30/18	7/9/18	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17	9/8/17	4/30/18	7/7/15	7/11/16	10/17/16	3/22/17	6/1/17	9/8/17	4/30/18		
Elevation (ft)	1225.57	1227.88	1226.92	1227.69	1224.77	1224.66	---	1225.00	1225.61	1225.08	1227.51	1226.50	1227.25	1224.22	1225.45	1228.00	1227.65	1228.98	1228.10	1228.85	1226.77	1226.95		
ANALYTE																							*ES*	*PAL*
VOCs/PVOCs (ppb)																								
Benzene	***49***	< 2	***54***	***87***	***64***	***210***	***100***	***340***	< 0.074	< 0.15	< 0.36	< 0.15	< 0.36	< 0.15	< 0.15	**2.3**	***5.6***	**0.89**	**1.3**	< 0.36	***5.2***	**2**	*5*	*0.5*
n-Butylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec- Butylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-DCA	< 2	< 2	< 2	< 2	< 2	< 3.9	***21***	< 7.8	< 0.28	< 0.39	---	< 0.39	---	< 0.39	< 0.39	< 0.28	< 0.39	---	< 0.39	---	< 0.39	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	< 7.7	< 7.7	---	---	---	---	---	---	< 0.39	---	---	---	---	---	---	< 0.39	*0.05*	*0.005*
Ethylbenzene	***790***	***1,700***	***590***	***740***	**670**	***1,200***	***1,400***	***1,000***	1.3	< 0.18	< 0.37	< 0.18	< 0.37	< 0.18	< 0.18	< 0.13	1.8	< 0.37	< 0.18	< 0.37	< 018	< 0.18	*700*	*140*
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MTBE	< 2	< 1.7	< 2	***2,100***	< 2	< 3.9	< 7.9	< 7.9	< 0.24	< 0.39	< 0.24	< 0.39	< 0.24	< 0.39	< 0.39	< 0.24	< 0.39	< 0.24	< 0.39	0.69	< 0.39	< 0.39	*60*	*12*
Naphthalene	***210***	***820***	**97**	***360***	***180***	***540***	***530***	***1,100***	1.8	< 0.34	< 2.4	< 0.34	< 2.4	< 0.34	1.2	< 0.16	< 0.34	< 2.4	< 0.34	< 2.4	< 0.34	< 0.34	*100*	*10*
n-Propylbenzene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	**300**	**440**	**420**	***890***	**730**	***1,000***	***1,000***	***1,200***	2.2	< 0.15	< 0.33	< 0.15	< 0.33	< 0.15	< 0.15	0.39	0.35	< 0.33	< 0.15	< 0.33	< 0.15	< 0.15	*800*	*160*
1,2,4- & 1,3,5-TMB	***1,130***	***2,930***	***960***	***960***	***1,160***	***3,190***	***3,780***	***1,820***	7	< 0.36	< 0.3	< 0.36	< 0.3	< 0.36	< 0.36	0.66	2.54	< 0.3	< 0.36	< 0.3	< 0.36	< 0.36	*480*	*96*
Total Xylenes	**1,900**	**1,500**	**1,300**	**1,900**	***2,300***	***3,600***	***4,500***	**3,000**	6.7	< 0.22	< 0.58	< 0.22	< 0.58	< 0.22	< 0.22	0.63	4.5	< 0.58	< 0.22	< 0.58	1.3	0.57	*2,000*	*400*

--- = not analyzed or no standard DCA = 1,2-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.

TABLE 2 (page 14 of 16)

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	9/8/17	4/30/18		
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	1224.95	1225.84		
ANALYTE																	*ES*	*PAL*
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	< 0.15	< 0.15	*5*	*0.5*
1,2-DCA	**0.93**	---	---	---	---	---	< 0.2	< 0.28	< 0.2	< 0.28	< 0.39	---	< 0.39	---	< 0.39	< 0.39	*5*	*0.5*
EDB	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.39	*0.05*	*0.005*
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	< 0.18	< 0.18	*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	< 0.39	< 0.39	*60*	*12*
Naphthalene	< 1	---	---	---	---	---	< 0.21	< 0.16	< 0.21	< 0.16	< 0.34	< 2.4	< 0.34	< 2.4	< 0.34	< 0.34	*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	< 0.15	< 0.15	*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	< 0.39	< 0.36	*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	< 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.

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	9/8/17	4/27/15	7/7/15	7/11/16	9/8/17	12/10/03	6/15/05	1/23/06	7/11/16	9/8/17		
ANALYTE																	*ES*	*PAL*
VOCs/PVOCs (ppb)																		
Benzene	< 0.15	< 0.2	< 0.074	< 0.2	< 0.13	< 0.13	< 0.13	< 0.2	< 0.13	< 0.13	< 0.13	**1.5**	0.347	0.322	< 0.13	< 0.13	*5*	*0.5*
1,2-DCA	< 0.1	< 0.2	< 0.28	< 0.2	< 0.14	< 0.14	< 0.14	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	0.15	0.185	< 0.14	< 0.14	*5*	*0.5*
Ethylbenzene	< 0.1	< 0.19	< 0.13	< 0.19	< 0.11	< 0.11	< 0.11	< 0.19	< 0.11	< 0.11	< 0.11	< 0.15	< 0.4	< 0.4	< 0.11	< 0.11	*700*	*140*
MTBE	< 0.4	< 0.12	< 0.24	< 0.17	< 0.12	< 0.12	< 0.12	< 0.17	< 0.12	< 0.12	< 0.12	< 0.15	< 0.4	< 0.4	< 0.15	< 0.15	*60*	*12*
Naphthalene	< 1	< 0.21	< 0.16	< 0.21	< 0.06	< 0.06	< 0.06	< 0.21	< 0.06	< 0.06	< 0.06	< 0.15	< 1	< 1	< 0.15	< 0.15	*100*	*10*
Toluene	< 0.4	< 0.17	< 0.11	< 0.17	< 0.1	< 0.1	< 0.1	< 0.17	< 0.1	< 0.1	< 0.1	< 0.15	< 0.4	< 0.4	< 0.1	< 0.1	*800*	*160*
1,2,4- & 1,3,5-TMB	< 0.4	0.48	< 0.18	< 0.17	1.65	< 0.13	0.59	< 0.17	< 0.09	< 0.09	< 0.13	< 0.3	< 0.3	< 0.3	< 0.13	< 0.13	*480*	*96*
Total Xylenes	< 1	< 0.18	< 0.068	< 0.38	< 0.2	< 0.2	< 0.12	< 0.38	< 0.2	< 0.2	< 0.12	< 0.3	< 0.5	< 0.5	< 0.12	< 0.12	*2,000*	*400*

--- = not analyzed or no standard DCA = 1,2-Dichloroethane MTBE = methyl-tert-butylethe 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

	PW-4												*NR 140 Remedial Action Limits*	
Date	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	9/8/17		
ANALYTE													*ES*	*PAL*
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	< 0.13	*5*	*0.5*
Bromobenzene	0.1	< 0.1	< 0.1	< 0.2	< 0.2	---	---	---	---	< 0.13	< 0.13	< 0.13	---	---
Bromodichloromethane	***1.65***	**0.37**	< 0.1	< 0.2	< 0.2	---	---	---	---	< 0.11	< 0.11	< 0.11	*0.6*	*0.06*
Chloroethane	< 0.6	0.1	< 0.6	< 0.6	< 0.6	---	---	---	---	< 0.07	< 0.07	< 0.07	*400*	*80*
Chloroform	***19.6***	**4.4**	< 0.1	< 0.1	< 0.1	---	---	---	---	< 0.14	< 0.14	< 0.14	*6*	*0.6*
Chloromethane	< 0.2	0.12	< 0.2	< 0.2	< 0.2	---	---	---	---	< 0.063	< 0.063	< 0.063	*3*	*0.3*
1,4-Dichlorobenzene	< 0.1	< 0.05	1.13	< 0.8	< 0.8	---	---	---	---	< 0.13	< 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	< 0.14	*5*	*0.5*
1,2-Dichloropropane	**0.39**	< 0.1	< 0.1	< 0.2	< 0.2	---	---	---	---	< 0.11	< 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	< 0.11	*700*	*140*
Methylene Chloride	< 0.4	0.91	< 0.4	< 0.4	< 0.4	---	---	---	---	< 0.25	< 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	< 0.12	*60*	*12*
Naphthalene	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.16	< 0.21	< 0.06	< 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	< 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	< 0.043	*480*	*96*
Total Xylenes	< 1	< 0.05	< 1	< 1	< 1	< 0.4	< 0.18	< 0.068	< 0.38	< 0.2	< 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).

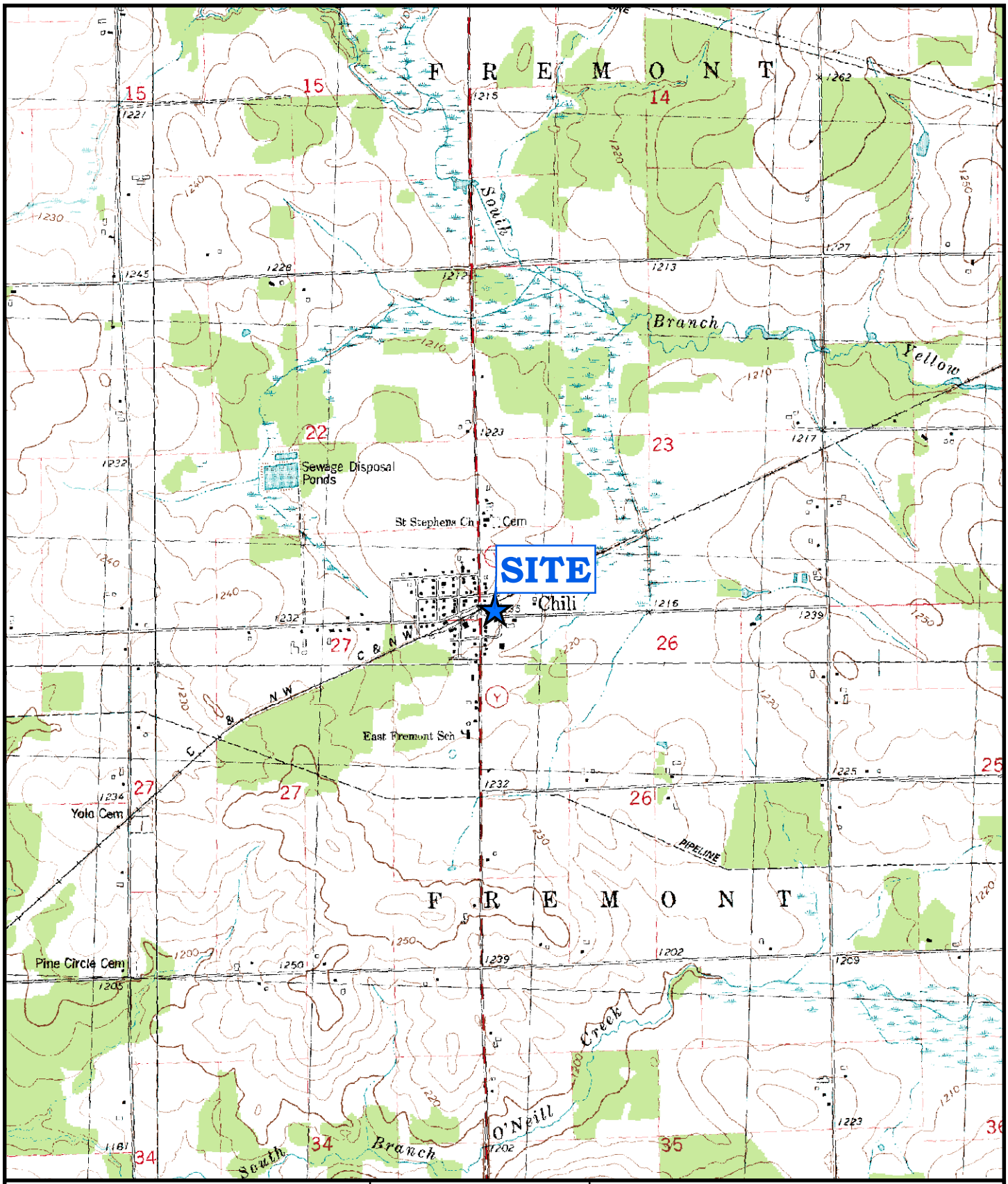
TABLE 3
FREE PRODUCT REMOVAL SUMMARY
DAIRICONCEPTS SITE, CHILI, WISCONSIN

	MW-3A		MW-4		MW-10	
Date	Product Thickness (in)	Gallons Removed	Product Thickness (in)	Gallons Removed	Product Thickness (in)	Gallons Removed
May 3, 2006	---	---	6	10	---	---
May 19, 2006	---	---	12	10	---	---
July 28, 2006	---	---	23	10	---	---
August 8, 2006	--	--	4	10	---	---
August 9, 2006	---	---	1.5	10	---	---
September 27, 2006	0	0	7	10	---	---
November 1, 2006	0	0	0.5	10	---	---
April 12, 2007	5	10	0.5	5	---	---
July 13, 2007	27	2	24	2	---	---
July 20, 2007	17	2	8	1.5	---	---
August 3, 2007	8.75	1	3.5	0.5	---	---
August 13, 2007	2.5	0.5	2	0.5	---	---
August 24, 2007	0.5	0.5	1.25	0.5	---	---
August 31, 2007	14	2	0.5	0	---	---
September 7, 2007	20.5	3	0.5	0	---	---
September 14, 2007	19	2.5	0.3	0	---	---
September 24, 2007	18	2.5	0.5	0	---	---
October 5, 2007	22	3.5	0.3	0	---	---
October 8, 2007	3.5	5	0	0	---	---
October 15, 2007	35	5	---	---	---	---
November 2, 2007	33	3.5	0	0	---	---
November 16, 2007	21	2	0	0	---	---
May 16, 2008	29	4	18	4	---	---
June 27, 2008	40	4.5	23.5	2.5	---	---
July 18, 2008	40	4.5	37	2	---	---
July 19, 2008	32	1.5	---	---	---	---
August 7, 2008	35	3.5	24	1	---	---
August 27, 2008	33	3.5	16	1	---	---
September 19, 2008	18	2	4	1	---	---
October 17, 2008	8	5	5	5	---	---
May 27, 2009	28	2	---	---	---	---
June 12, 2009	34	2	25	2	---	---
June 26, 2009	42	2.5	20	1.5	---	---
July 2, 2009	38	2.5	13	1.5	---	---
July 10, 2009	26	3	13	1.5	---	---
July 27, 2009	17	2	7	1	---	---
August 14, 2009	11	1	---	---	---	---
August 21, 2009	8	1.5	---	---	---	---
September 4, 2009	8	1	7	1	---	---
September 11, 2009	7	1	7	1	---	---
September 18, 2009	10	1.5	5	1	---	---
September 25, 2009	5	1	1	0.5	---	---
October 9, 2009	3	0.5	1	0.5	---	---

TABLE 3
FREE PRODUCT REMOVAL SUMMARY
DAIRICONCEPTS SITE, CHILI, WISCONSIN

	MW-3A		MW-4		MW-10	
Date	Product Thickness (in)	Gallons Removed	Product Thickness (in)	Gallons Removed	Product Thickness (in)	Gallons Removed
October 16, 2009	3	0.5	0.5	0.5	---	---
November 13, 2009	13	1	0.5	0.5	---	---
November 25, 2009	18	1	0.5	0.5	---	---
April 2, 2010	16	1	20	1	---	---
April 10, 2010	4.5	0.5	12	0.5	---	---
April 19, 2010	5	0.5	15	1.5	---	---
April 29, 2010	9	1	24	2	---	---
May 7, 2010	9	1	20	1	---	---
May 20, 2010	24	2	18	2	---	---
May 11, 2012	0	0	3	1	---	---
June 6, 2012	0	0	0.5	0.5	---	---
June 26, 2012	0	0	0.5	0.5	---	---
July 11, 2012	0	0	0.5	0.5	---	---
July 24, 2012	0	0	0	0	---	---
August 10, 2012	0	0	0.25	0.5	---	---
August 31, 2012	0	0	0.5	0.5	---	---
September 11, 2012	0	0	0	0	---	---
September 25, 2012	0	0	0.25	0.5	---	---
July 11, 2016	0	0	MW-4 abandoned 6-6-2016		---	---
September 8, 2017	0	0	---	---	4	5
December 4, 2017	0	0	---	---	15	15
April 30, 2018	1	10	---	---	4	15
June 5, 2018	0.5	15	---	---	4	15
July 9, 2018	0	0	---	---	3	15

Figures



AMERICAN ENGINEERING TESTING, INC

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

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Feet

Figure 1

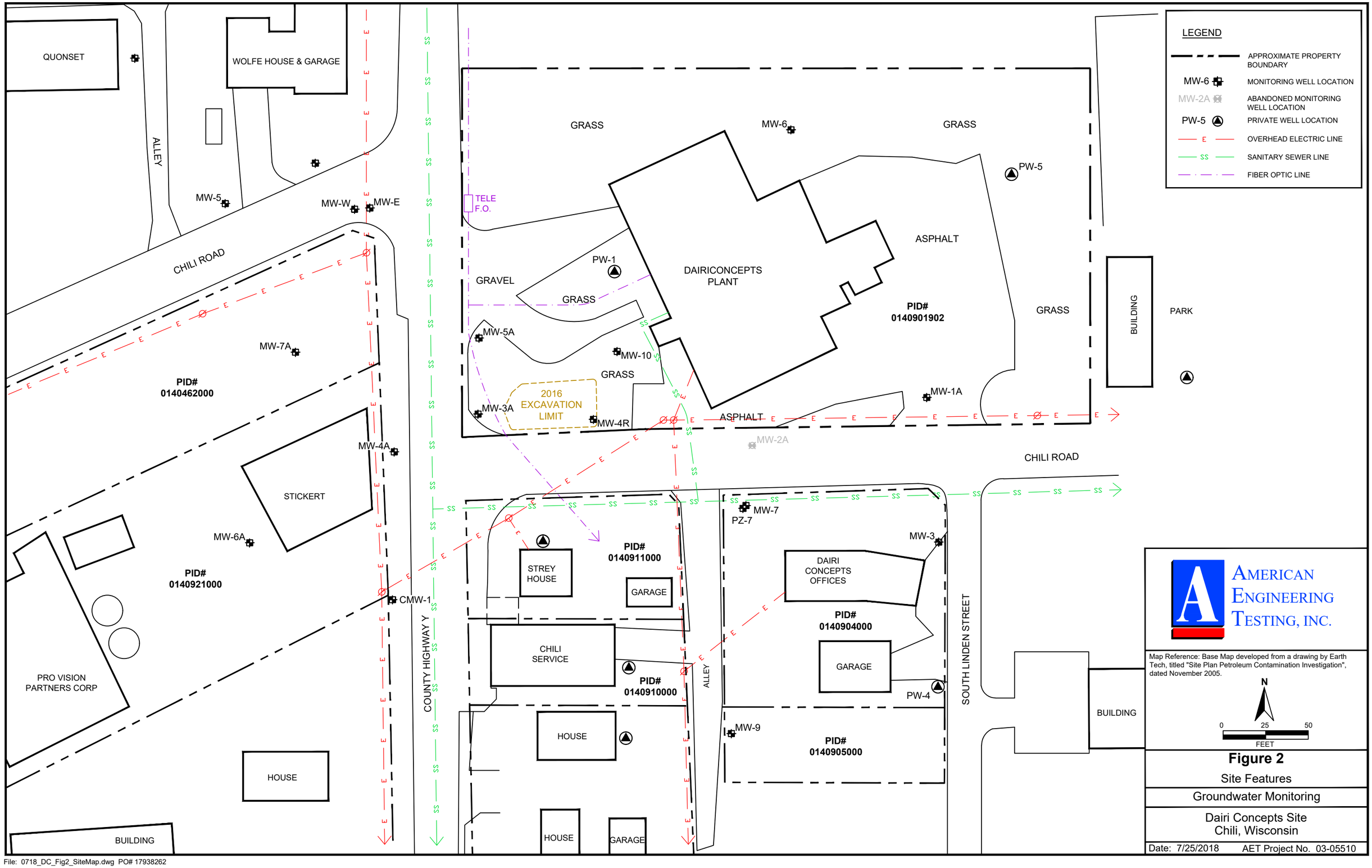
Site Location Map

Groundwater Monitoring Report

Dairi Concepts Site
Chili, Wisconsin

Date: 08/16/2016 AET Project No. 03-05510

File: DC_Fig1_SLM.mxd Date: 12/19/2012



AMERICAN ENGINEERING TESTING, INC.

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

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FEET

Figure 2

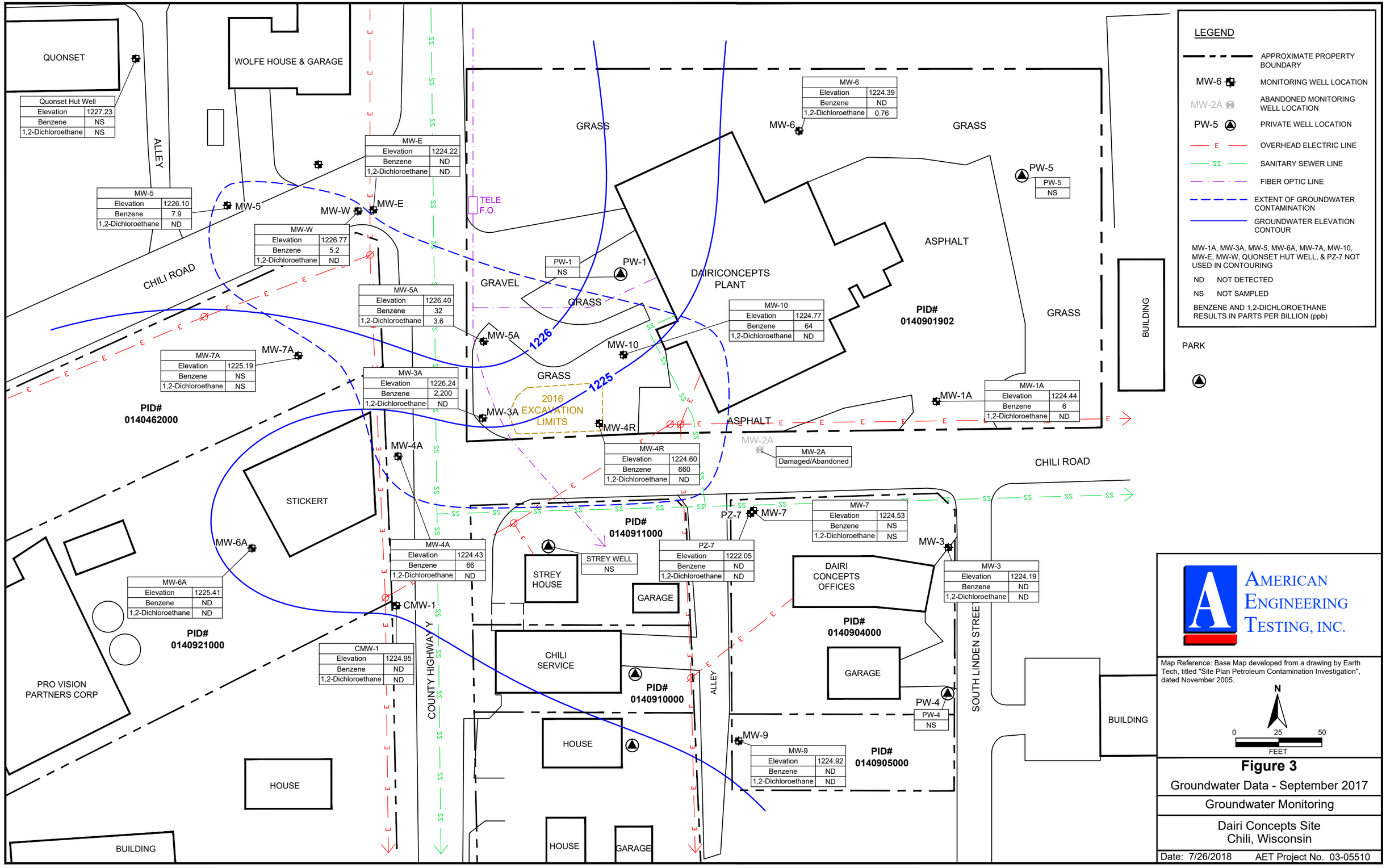
Site Features

Groundwater Monitoring

Dairi Concepts Site
Chili, Wisconsin

Date: 7/25/2018 AET Project No. 03-05510

File: 0718_DC_Fig2_SiteMap.dwg PO# 17938262



AMERICAN ENGINEERING TESTING, INC.

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

Figure 3

Groundwater Data - September 2017

Groundwater Monitoring

Dairi Concepts Site
Chili, Wisconsin

Date: 7/26/2018 AET Project No. 03-05510

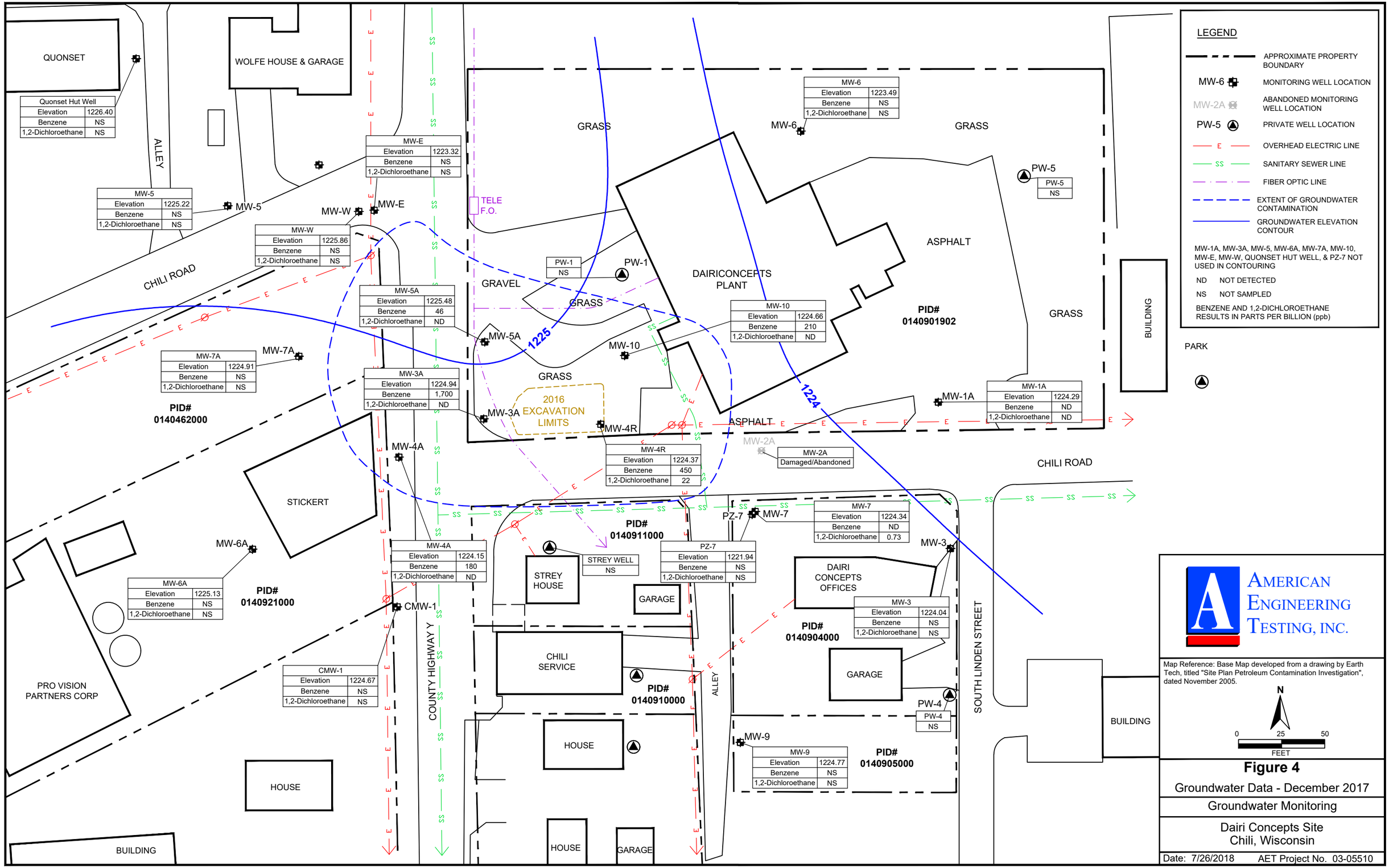

QUONSET
WOLFE HOUSE & GARAGE
ALLEY
CHILI ROAD
GRASS
GRAVEL
ASPHALT
DAIRICONCEPTS PLANT
BUILDING
PARK
TELE F.O.
1225
1224
2016 EXCAVATION LIMITS
PID# 0140462000
PID# 0140901902
PID# 0140911000
PID# 0140904000
PID# 0140910000
PID# 0140905000
PID# 0140921000
STICKERT
PRO VISION PARTNERS CORP
HOUSE
STREY HOUSE
STREY WELL
NS
GARAGE
CHILI SERVICE
DAIRI CONCEPTS OFFICES
COUNTY HIGHWAY Y
SOUTH LINDEN STREET
MW-5
Elevation 1225.22
Benzene NS
1,2-Dichloroethane NS
MW-W
Elevation 1225.86
Benzene NS
1,2-Dichloroethane NS
MW-E
Elevation 1223.32
Benzene NS
1,2-Dichloroethane NS
MW-6
Elevation 1223.49
Benzene NS
1,2-Dichloroethane NS
PW-5
NS
PW-1
NS
MW-10
Elevation 1224.66
Benzene 210
1,2-Dichloroethane ND
MW-5A
Elevation 1225.48
Benzene 46
1,2-Dichloroethane ND
MW-7A
Elevation 1224.91
Benzene NS
1,2-Dichloroethane NS
MW-3A
Elevation 1224.94
Benzene 1,700
1,2-Dichloroethane ND
MW-1A
Elevation 1224.29
Benzene ND
1,2-Dichloroethane ND
MW-4R
Elevation 1224.37
Benzene 450
1,2-Dichloroethane 22
MW-2A
Damaged/Abandoned
MW-4A
Elevation 1224.15
Benzene 180
1,2-Dichloroethane ND
MW-6A
Elevation 1225.13
Benzene NS
1,2-Dichloroethane NS
CMW-1
Elevation 1224.67
Benzene NS
1,2-Dichloroethane NS
PZ-7
Elevation 1221.94
Benzene NS
1,2-Dichloroethane NS
MW-7
Elevation 1224.34
Benzene ND
1,2-Dichloroethane 0.73
MW-3
Elevation 1224.04
Benzene NS
1,2-Dichloroethane NS
PW-4
NS
MW-9
Elevation 1224.77
Benzene NS
1,2-Dichloroethane NS
Quonset Hut Well
Elevation 1226.40
Benzene NS
1,2-Dichloroethane NS
LEGEND
APPROXIMATE PROPERTY BOUNDARY
MW-6 MONITORING WELL LOCATION
MW-2A ABANDONED MONITORING WELL LOCATION
PW-5 PRIVATE WELL LOCATION
E OVERHEAD ELECTRIC LINE
SS SANITARY SEWER LINE
FIBER OPTIC LINE
EXTENT OF GROUNDWATER CONTAMINATION
GROUNDWATER ELEVATION CONTOUR
MW-1A, MW-3A, MW-5, MW-6A, MW-7A, MW-10, MW-E, MW-W, QUONSET HUT WELL, & PZ-7 NOT USED IN CONTOURING
ND NOT DETECTED
NS NOT SAMPLED
BENZENE AND 1,2-DICHLOROETHANE RESULTS IN PARTS PER BILLION (ppb)
AMERICAN ENGINEERING TESTING, INC.
Map Reference: Base Map developed from a drawing by Earth Tech, titled "Site Plan Petroleum Contamination Investigation", dated November 2005.
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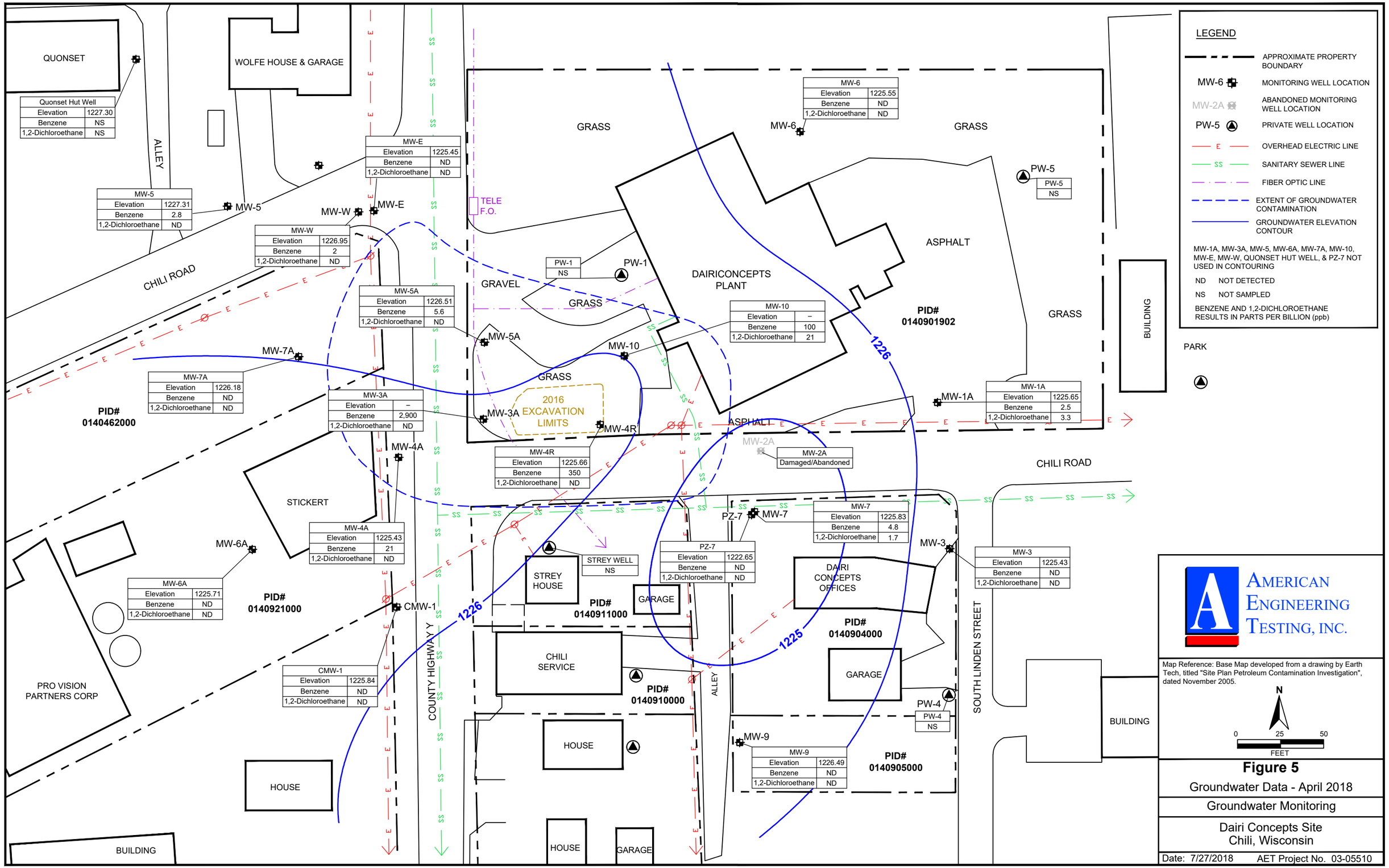
Figure 4
Groundwater Data - December 2017
Groundwater Monitoring
Dairi Concepts Site
Chili, Wisconsin
Date: 7/26/2018 AET Project No. 03-05510



AMERICAN ENGINEERING TESTING, INC.

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

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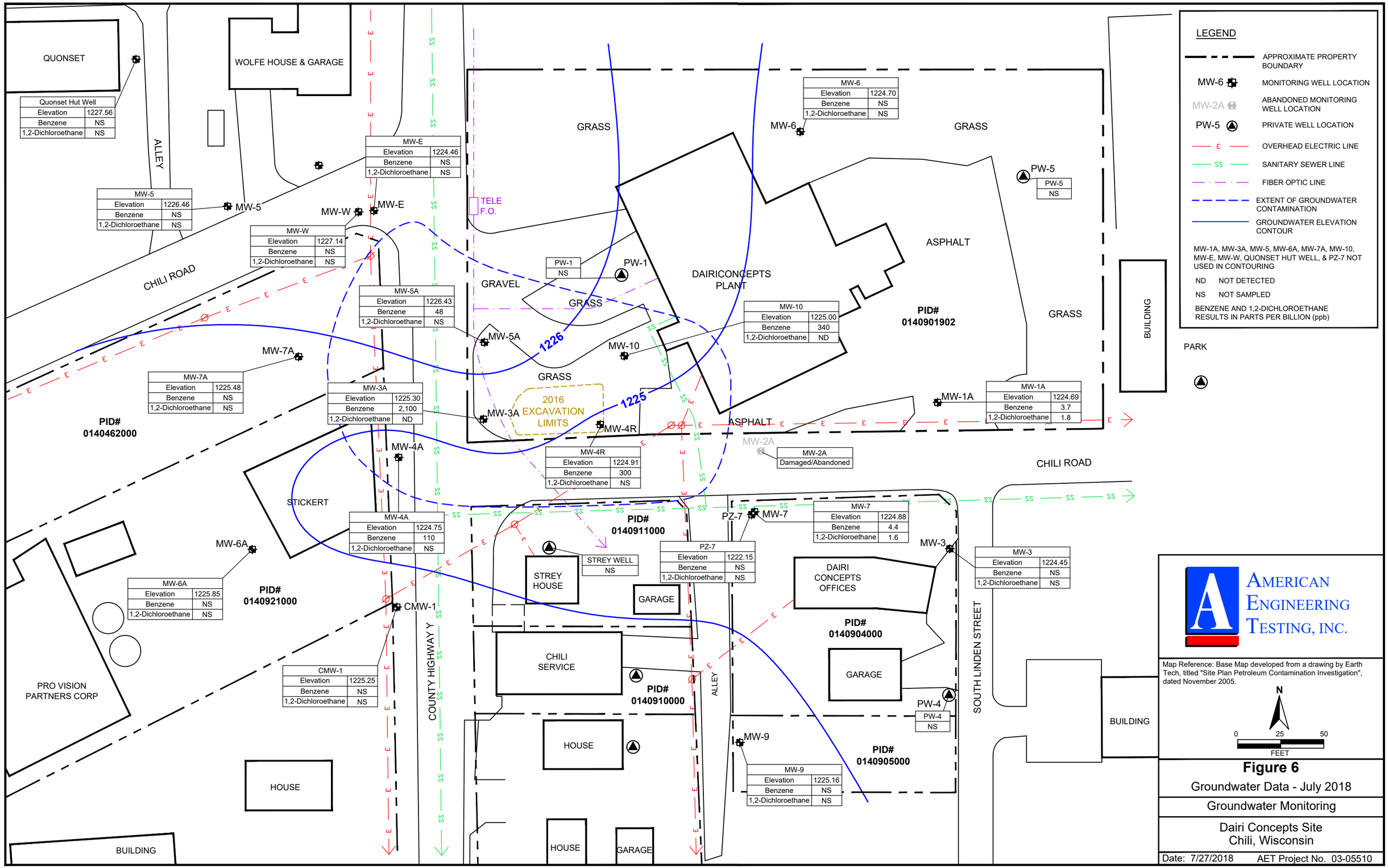
Figure 5

Groundwater Data - April 2018

Groundwater Monitoring

Dairi Concepts Site
Chili, Wisconsin

Date: 7/27/2018 AET Project No. 03-05510


QUONSET
WOLFE HOUSE & GARAGE
ALLEY
CHILI ROAD
Quonset Hut Well
Elevation 1227.56
Benzene NS
1,2-Dichloroethane NS
MW-5
Elevation 1226.46
Benzene NS
1,2-Dichloroethane NS
MW-5
MW-W
Elevation 1227.14
Benzene NS
1,2-Dichloroethane NS
MW-W
MW-E
Elevation 1224.46
Benzene NS
1,2-Dichloroethane NS
MW-E
TELE F.O.
GRASS
GRAVEL
MW-5A
Elevation 1226.43
Benzene 48
1,2-Dichloroethane NS
MW-5A
1226
MW-7A
Elevation 1225.48
Benzene NS
1,2-Dichloroethane NS
MW-7A
MW-3A
Elevation 1225.30
Benzene 2,100
1,2-Dichloroethane ND
MW-3A
2016 EXCAVATION LIMITS
1225
PID# 0140462000
MW-4A
Elevation 1224.75
Benzene 110
1,2-Dichloroethane NS
MW-4A
MW-4R
Elevation 1224.91
Benzene 300
1,2-Dichloroethane NS
MW-4R
STICKERT
MW-6A
Elevation 1225.85
Benzene NS
1,2-Dichloroethane NS
MW-6A
PID# 0140921000
CMW-1
Elevation 1225.25
Benzene NS
1,2-Dichloroethane NS
CMW-1
PRO VISION PARTNERS CORP
HOUSE
BUILDING
COUNTY HIGHWAY Y
PW-1
NS
PW-1
MW-10
Elevation 1225.00
Benzene 340
1,2-Dichloroethane ND
MW-10
DAIRICONCEPTS PLANT
ASPHALT
PID# 0140901902
MW-6
Elevation 1224.70
Benzene NS
1,2-Dichloroethane NS
MW-6
PW-5
NS
PW-5
MW-1A
Elevation 1224.69
Benzene 3.7
1,2-Dichloroethane 1.8
MW-1A
MW-2A
Damaged/Abandoned
MW-2A
BUILDING
PARK
PID# 0140911000
PZ-7
Elevation 1222.15
Benzene NS
1,2-Dichloroethane NS
PZ-7
MW-7
Elevation 1224.88
Benzene 4.4
1,2-Dichloroethane 1.6
MW-7
STREY WELL
NS
STREY HOUSE
GARAGE
DAIRI CONCEPTS OFFICES
PID# 0140904000
GARAGE
CHILI SERVICE
PID# 0140910000
HOUSE
ALLEY
MW-9
Elevation 1225.16
Benzene NS
1,2-Dichloroethane NS
MW-9
PID# 0140905000
PW-4
NS
PW-4
MW-3
Elevation 1224.45
Benzene NS
1,2-Dichloroethane NS
MW-3
SOUTH LINDEN STREET
BUILDING
HOUSE
GARAGE
LEGEND
APPROXIMATE PROPERTY BOUNDARY
MW-6 MONITORING WELL LOCATION
MW-2A ABANDONED MONITORING WELL LOCATION
PW-5 PRIVATE WELL LOCATION
E OVERHEAD ELECTRIC LINE
SS SANITARY SEWER LINE
FIBER OPTIC LINE
EXTENT OF GROUNDWATER CONTAMINATION
GROUNDWATER ELEVATION CONTOUR
MW-1A, MW-3A, MW-5, MW-6A, MW-7A, MW-10, MW-E, MW-W, QUONSET HUT WELL, & 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.
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AMERICAN ENGINEERING TESTING, INC.
Figure 6
Groundwater Data - July 2018
Groundwater Monitoring
Dairi Concepts Site
Chili, Wisconsin
Date: 7/27/2018 AET Project No. 03-05510

Appendix A

Acronyms and Abbreviations

ACRONYMS AND ABBREVIATIONS

AET Standard List

^{0}C	degrees Celsius
^{0}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)
$\mu g/m^3$	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	Winsonsin Adminstrative 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

DEFINITIONS

Controlled recognized environmental condition (CREC): a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De minimus condition: a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimus conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Historical recognized environmental condition (HREC): a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Recognized environmental condition (REC): the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: 1) due to release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment.

Appendix B

Environmental Sampling Methods

AET Project No. 03-05510

ENVIRONMENTAL SAMPLING METHODS – GENERAL: EXCAVATIONS/TEST PITS, HAND AUGERS, SURFICIAL SOILS, STOCKPILES

Site Safety Issues

Safety is of paramount importance on construction, demolition, or other high-traffic sites with potentially unstable ground. Frequent visual and verbal contact is maintained with operators of heavy equipment in the sampling vicinity. Care is taken not to enter depressions or scale mounds that would constitute confined spaces, where engulfment, immersion, or falls are possible, or where harmful vapors may collect. Most observations and soil collection are performed from a stable and level ground surface with the help of heavy equipment operated by an excavation contractor.

Contamination Reduction

Sampling devices (except heavy equipment in most cases) are cleaned between sampling points to minimize cross contamination. The cleaning procedure may consist of an alconox detergent-water wash using a brush, followed by a tap water rinse. Certain types of projects may entail more or less stringent decontamination procedures.

Soil Collection

Most soil samples from excavations or test pits are collected directly from heavy equipment (e.g., excavation bucket, loader, or bulldozer), giving preference to soils that have not touched the equipment. A hand auger is used to complete shallow soil borings in locations of limited vehicle access. Hand auger borings are advanced manually, typically in 6" to 12" depth intervals. Soils are collected directly from the hollow auger barrel. A spade shovel is used to collect surficial soils (i.e., up to 6" depth). In many cases, soil samples can be collected by hand without added equipment.

Impacted soils or buried debris may be present in the ground 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 or removal of all impacts.

Soil Classification

As the samples are obtained in the field, they are visually and manually classified by the field staff. Representative portions of the samples may be returned to the laboratory for further examination and for verification of the field classification. Soil classifications, visual/odor observations, and information on any groundwater encountered are reported on the Soil Screening Data Sheet or other field notes.

Soil Sample Vapor Screening

Soil samples collected directly or from equipment 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 headspace – typically attained within two to five seconds of probe insertion – is recorded on the Soil Screening Data Sheet or other field notes. 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 or from the sampling device 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.

Not all methods summarized on this information sheet are conducted at all sites. Special conditions may also occur which require modifications to these methods. Any descriptions of field methods within the report text take precedence.

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

Not all methods summarized on this information sheet are conducted at all sites. Special conditions may also occur which require modifications to these methods. Any descriptions of field methods within the report text take precedence.

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-μm 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.

Not all methods summarized on this information sheet are conducted at all sites. Special conditions may also occur which require modifications to these methods. Any descriptions of field methods within the report text take precedence.

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-μm 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 empting 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.

Not all methods summarized on this information sheet are conducted at all sites. Special conditions may also occur which require modifications to these methods. Any descriptions of field methods within the report text take precedence.

Appendix C

Laboratory 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: 500-133876-1
Client Project/Site: Darri Concepts - 03-05510

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

Attn: Mr. Michael Neal

Sandie Fredrick

Authorized for release by:
9/21/2017 5:07:53 PM

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

REVIEWED
By mneal at 9:42 am, Sep 22, 2017

Table of Contents

Case Narrative

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

TestAmerica Job ID: 500-133876-1

Job ID: 500-133876-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-133876-1

Comments
No additional comments.

Receipt
The samples were received on 9/12/2017 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

Receipt Exceptions
One or more containers for the following samples were received broken or leaking: MW-1A (500-133876-1), MW-3A (500-133876-3), MW-7 (500-133876-10), MW-7A (500-133876-11), PW-1 (500-133876-18) and PW-4 (500-133876-19).

Sample #1 (MW-1A) 1 40-ml HCL vial was received broken, 2 remain.
Sample #3 (MW-3A) 2 40-ml HCL vials were received broken, 1 vial remains.
Sample #10 (MW-7) 3 40-ml HCL vials were received broken, 0 remain.
Sample #11 (MW-7A) 3 40-ml HCL vials were received broken, 0 remain.
Sample #18 (PW-1) 1 40-ml HCL vial was received broken, 2 remain.
Sample #19 (PW-4) 1 40-ml HCL vial was received broken, 2 remain.

GC/MS VOA
Method(s) 524.2: The low level laboratory control sample (LLCS) for analytical batch 480-376510 recovered outside control limits for the following analyte: Methylene Chloride. This analyte was biased high in the LLCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: PW-1 (500-133876-18), PW-4 (500-133876-19), PW-5 (500-133876-20) and Strey Well (500-133876-21).

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3A (500-133876-3), MW-4A (500-133876-4), MW-4R (500-133876-5), MW-5A (500-133876-7) and MW-10 (500-133876-14). 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.

Detection Summary

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-1A — Lab Sample ID: 500-133876-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.0		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 500-133876-2

No Detections.

Client Sample ID: MW-3A — Lab Sample ID: 500-133876-3

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
1,3,5-Trimethylbenzene	440		20	5.1	ug/L	20		8260B	Total/NA
Benzene	2200		10	2.9	ug/L	20		8260B	Total/NA
Ethylbenzene	1700		10	3.7	ug/L	20		8260B	Total/NA
Naphthalene	340		20	6.7	ug/L	20		8260B	Total/NA
Toluene - DL	15000		100	30	ug/L	200		8260B	Total/NA
Xylenes, Total - DL	8700		200	44	ug/L	200		8260B	Total/NA

Client Sample ID: MW-4A — Lab Sample ID: 500-133876-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	39		5.0	1.8	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	15		5.0	1.3	ug/L	5		8260B	Total/NA
Benzene	66		2.5	0.73	ug/L	5		8260B	Total/NA
Ethylbenzene	74		2.5	0.92	ug/L	5		8260B	Total/NA
Naphthalene	20		5.0	1.7	ug/L	5		8260B	Total/NA
Toluene	8.9		2.5	0.76	ug/L	5		8260B	Total/NA
Xylenes, Total	88		5.0	1.1	ug/L	5		8260B	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 500-133876-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	320		5.0	1.3	ug/L	5		8260B	Total/NA
Benzene	660		2.5	0.73	ug/L	5		8260B	Total/NA
Naphthalene	320		5.0	1.7	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1300		50	18	ug/L	50		8260B	Total/NA
Ethylbenzene - DL	1200		25	9.2	ug/L	50		8260B	Total/NA
Toluene - DL	2200		25	7.6	ug/L	50		8260B	Total/NA
Xylenes, Total - DL	4800		50	11	ug/L	50		8260B	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 500-133876-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	29		1.0	0.36	ug/L	1		8260B	Total/NA
Benzene	7.9		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	2.2		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	8.3		1.0	0.34	ug/L	1		8260B	Total/NA
Xylenes, Total	26		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5A — Lab Sample ID: 500-133876-7

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-5A (Continued) — Lab Sample ID: 500-133876-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	3.6		1.0	0.39	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	160		1.0	0.25	ug/L	1		8260B	Total/NA
Benzene	32		0.50	0.15	ug/L	1		8260B	Total/NA
Naphthalene	92		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	49		0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	460		5.0	1.8	ug/L	5		8260B	Total/NA
Ethylbenzene - DL	290		2.5	0.92	ug/L	5		8260B	Total/NA
Xylenes, Total - DL	760		5.0	1.1	ug/L	5		8260B	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-133876-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.76	J	1.0	0.39	ug/L	1		8260B	Total/NA

Client Sample ID: MW-6A — Lab Sample ID: 500-133876-9

No Detections.

Client Sample ID: PZ-7 — Lab Sample ID: 500-133876-12

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 500-133876-13

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 500-133876-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	900		5.0	1.8	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	260		5.0	1.3	ug/L	5		8260B	Total/NA
Benzene	64		2.5	0.73	ug/L	5		8260B	Total/NA
Ethylbenzene	670		2.5	0.92	ug/L	5		8260B	Total/NA
Naphthalene	180		5.0	1.7	ug/L	5		8260B	Total/NA
Toluene	730		2.5	0.76	ug/L	5		8260B	Total/NA
Xylenes, Total - DL	2300		50	11	ug/L	50		8260B	Total/NA

Client Sample ID: MW-E — Lab Sample ID: 500-133876-15

No Detections.

Client Sample ID: MW-W — Lab Sample ID: 500-133876-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.2		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	1.3		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: CMW-1 — Lab Sample ID: 500-133876-17

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: PW-1 — Lab Sample ID: 500-133876-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.40	J	0.50	0.090	ug/L	1		524.2	Total/NA
1,3,5-Trimethylbenzene	0.19	J	0.50	0.13	ug/L	1		524.2	Total/NA

Client Sample ID: PW-4 — Lab Sample ID: 500-133876-19

No Detections.

Client Sample ID: PW-5 — Lab Sample ID: 500-133876-20

No Detections.

Client Sample ID: Strey Well — Lab Sample ID: 500-133876-21

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-133876-22

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-133876-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL BUF
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

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

TestAmerica Job ID: 500-133876-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-133876-1	MW-1A	Water	09/08/17 12:00	09/12/17 10:15
500-133876-2	MW-3	Water	09/08/17 10:45	09/12/17 10:15
500-133876-3	MW-3A	Water	09/08/17 16:15	09/12/17 10:15
500-133876-4	MW-4A	Water	09/08/17 14:30	09/12/17 10:15
500-133876-5	MW-4R	Water	09/08/17 16:00	09/12/17 10:15
500-133876-6	MW-5	Water	09/08/17 14:00	09/12/17 10:15
500-133876-7	MW-5A	Water	09/08/17 14:15	09/12/17 10:15
500-133876-8	MW-6	Water	09/08/17 11:45	09/12/17 10:15
500-133876-9	MW-6A	Water	09/08/17 12:45	09/12/17 10:15
500-133876-12	PZ-7	Water	09/08/17 11:30	09/12/17 10:15
500-133876-13	MW-9	Water	09/08/17 10:30	09/12/17 10:15
500-133876-14	MW-10	Water	09/08/17 16:30	09/12/17 10:15
500-133876-15	MW-E	Water	09/08/17 13:30	09/12/17 10:15
500-133876-16	MW-W	Water	09/08/17 13:45	09/12/17 10:15
500-133876-17	CMW-1	Water	09/08/17 12:20	09/12/17 10:15
500-133876-18	PW-1	Water	09/08/17 15:15	09/12/17 10:15
500-133876-19	PW-4	Water	09/08/17 15:30	09/12/17 10:15
500-133876-20	PW-5	Water	09/08/17 15:00	09/12/17 10:15
500-133876-21	Strey Well	Water	09/08/17 15:45	09/12/17 10:15
500-133876-22	Trip Blank	Water	09/08/17 00:00	09/12/17 10:15

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-1A

Lab Sample ID: 500-133876-1

Date Collected: 09/08/17 12:00

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 14:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 14:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 14:26	1
Benzene	**6.0**		0.50	0.15	ug/L			09/20/17 14:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 14:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 14:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 14:26	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 14:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*09/20/17 14:26*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/20/17 14:26*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*09/20/17 14:26*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/20/17 14:26*	*1*

Client Sample ID: MW-3

Lab Sample ID: 500-133876-2

Date Collected: 09/08/17 10:45

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 14:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 14:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 14:51	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 14:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 14:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 14:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 14:51	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 14:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*09/20/17 14:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*09/20/17 14:51*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*09/20/17 14:51*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/20/17 14:51*	*1*

Client Sample ID: MW-3A

Lab Sample ID: 500-133876-3

Date Collected: 09/08/17 16:15

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 21:04	20
1,2-Dibromoethane (EDB)	<7.7		20	7.7	ug/L			09/20/17 21:04	20
1,2-Dichloroethane	<7.8		20	7.8	ug/L			09/20/17 21:04	20
1,3,5-Trimethylbenzene	**440**		20	5.1	ug/L			09/20/17 21:04	20
Benzene	**2200**		10	2.9	ug/L			09/20/17 21:04	20
Ethylbenzene	**1700**		10	3.7	ug/L			09/20/17 21:04	20

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-3A

Lab Sample ID: 500-133876-3

Date Collected: 09/08/17 16:15

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			09/20/17 21:04	20
Naphthalene	**340**		20	6.7	ug/L			09/20/17 21:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*09/20/17 21:04*	*20*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*09/20/17 21:04*	*20*
Dibromofluoromethane	*92*		*75 - 120*		*09/20/17 21:04*	*20*
Toluene-d8 (Surr)	*97*		*75 - 120*		*09/20/17 21:04*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**15000**		100	30	ug/L			09/20/17 21:28	200
Xylenes, Total	**8700**		200	44	ug/L			09/20/17 21:28	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*09/20/17 21:28*	*200*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/20/17 21:28*	*200*
Dibromofluoromethane	*96*		*75 - 120*		*09/20/17 21:28*	*200*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/20/17 21:28*	*200*

Client Sample ID: MW-4A

Lab Sample ID: 500-133876-4

Date Collected: 09/08/17 14:30

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**39**		5.0	1.8	ug/L			09/20/17 15:15	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			09/20/17 15:15	5
1,3,5-Trimethylbenzene	**15**		5.0	1.3	ug/L			09/20/17 15:15	5
Benzene	**66**		2.5	0.73	ug/L			09/20/17 15:15	5
Ethylbenzene	**74**		2.5	0.92	ug/L			09/20/17 15:15	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			09/20/17 15:15	5
Naphthalene	**20**		5.0	1.7	ug/L			09/20/17 15:15	5
Toluene	**8.9**		2.5	0.76	ug/L			09/20/17 15:15	5
Xylenes, Total	**88**		5.0	1.1	ug/L			09/20/17 15:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*09/20/17 15:15*	*5*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*09/20/17 15:15*	*5*
Dibromofluoromethane	*92*		*75 - 120*		*09/20/17 15:15*	*5*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/20/17 15:15*	*5*

Client Sample ID: MW-4R

Lab Sample ID: 500-133876-5

Date Collected: 09/08/17 16:00

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			09/20/17 15:41	5
1,3,5-Trimethylbenzene	**320**		5.0	1.3	ug/L			09/20/17 15:41	5
Benzene	**660**		2.5	0.73	ug/L			09/20/17 15:41	5

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-4R

Lab Sample ID: 500-133876-5

Date Collected: 09/08/17 16:00

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			09/20/17 15:41	5
Naphthalene	**320**		5.0	1.7	ug/L			09/20/17 15:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*09/20/17 15:41*	*5*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*09/20/17 15:41*	*5*
Dibromofluoromethane	*89*		*75 - 120*		*09/20/17 15:41*	*5*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/20/17 15:41*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1300**		50	18	ug/L			09/20/17 16:06	50
Ethylbenzene	**1200**		25	9.2	ug/L			09/20/17 16:06	50
Toluene	**2200**		25	7.6	ug/L			09/20/17 16:06	50
Xylenes, Total	**4800**		50	11	ug/L			09/20/17 16:06	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*09/20/17 16:06*	*50*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*09/20/17 16:06*	*50*
Dibromofluoromethane	*91*		*75 - 120*		*09/20/17 16:06*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/20/17 16:06*	*50*

Client Sample ID: MW-5

Lab Sample ID: 500-133876-6

Date Collected: 09/08/17 14:00

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**29**		1.0	0.36	ug/L			09/20/17 16:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 16:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 16:31	1
Benzene	**7.9**		0.50	0.15	ug/L			09/20/17 16:31	1
Ethylbenzene	**2.2**		0.50	0.18	ug/L			09/20/17 16:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 16:31	1
Naphthalene	**8.3**		1.0	0.34	ug/L			09/20/17 16:31	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 16:31	1
Xylenes, Total	**26**		1.0	0.22	ug/L			09/20/17 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*09/20/17 16:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*09/20/17 16:31*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*09/20/17 16:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/20/17 16:31*	*1*

Client Sample ID: MW-5A

Lab Sample ID: 500-133876-7

Date Collected: 09/08/17 14:15

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	**3.6**		1.0	0.39	ug/L			09/21/17 12:00	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-5A

Lab Sample ID: 500-133876-7

Date Collected: 09/08/17 14:15

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**160**		1.0	0.25	ug/L			09/21/17 12:00	1
Benzene	**32**		0.50	0.15	ug/L			09/21/17 12:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/21/17 12:00	1
Naphthalene	**92**		1.0	0.34	ug/L			09/21/17 12:00	1
Toluene	**49**		0.50	0.15	ug/L			09/21/17 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*09/21/17 12:00*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*09/21/17 12:00*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*09/21/17 12:00*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*09/21/17 12:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**460**		5.0	1.8	ug/L			09/20/17 16:56	5
Ethylbenzene	**290**		2.5	0.92	ug/L			09/20/17 16:56	5
Xylenes, Total	**760**		5.0	1.1	ug/L			09/20/17 16:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*09/20/17 16:56*	*5*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*09/20/17 16:56*	*5*
Dibromofluoromethane	*92*		*75 - 120*		*09/20/17 16:56*	*5*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/20/17 16:56*	*5*

Client Sample ID: MW-6

Lab Sample ID: 500-133876-8

Date Collected: 09/08/17 11:45

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 17:46	1
1,2-Dichloroethane	**0.76**	**J**	1.0	0.39	ug/L			09/20/17 17:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 17:46	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 17:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 17:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 17:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 17:46	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 17:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*09/20/17 17:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*09/20/17 17:46*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/20/17 17:46*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/20/17 17:46*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-6A

Lab Sample ID: 500-133876-9

Date Collected: 09/08/17 12:45

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 18:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 18:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 18:10	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 18:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 18:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 18:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 18:10	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 18:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*09/20/17 18:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*09/20/17 18:10*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/20/17 18:10*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/20/17 18:10*	*1*

Client Sample ID: PZ-7

Lab Sample ID: 500-133876-12

Date Collected: 09/08/17 11:30

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 18:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 18:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 18:35	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 18:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 18:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 18:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 18:35	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 18:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*09/20/17 18:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/20/17 18:35*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*09/20/17 18:35*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*09/20/17 18:35*	*1*

Client Sample ID: MW-9

Lab Sample ID: 500-133876-13

Date Collected: 09/08/17 10:30

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 19:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 19:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 19:00	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 19:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 19:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 19:00	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-9

Lab Sample ID: 500-133876-13

Date Collected: 09/08/17 10:30

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 19:00	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 19:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*09/20/17 19:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/20/17 19:00*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/20/17 19:00*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/20/17 19:00*	*1*

Client Sample ID: MW-10

Lab Sample ID: 500-133876-14

Date Collected: 09/08/17 16:30

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**900**		5.0	1.8	ug/L			09/20/17 19:25	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			09/20/17 19:25	5
1,3,5-Trimethylbenzene	**260**		5.0	1.3	ug/L			09/20/17 19:25	5
Benzene	**64**		2.5	0.73	ug/L			09/20/17 19:25	5
Ethylbenzene	**670**		2.5	0.92	ug/L			09/20/17 19:25	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			09/20/17 19:25	5
Naphthalene	**180**		5.0	1.7	ug/L			09/20/17 19:25	5
Toluene	**730**		2.5	0.76	ug/L			09/20/17 19:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*09/20/17 19:25*	*5*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*09/20/17 19:25*	*5*
Dibromofluoromethane	*93*		*75 - 120*		*09/20/17 19:25*	*5*
Toluene-d8 (Surr)	*97*		*75 - 120*		*09/20/17 19:25*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**2300**		50	11	ug/L			09/20/17 19:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*09/20/17 19:49*	*50*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/20/17 19:49*	*50*
Dibromofluoromethane	*94*		*75 - 120*		*09/20/17 19:49*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/20/17 19:49*	*50*

Client Sample ID: MW-E

Lab Sample ID: 500-133876-15

Date Collected: 09/08/17 13:30

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 20:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 20:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 20:14	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 20:14	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-E

Lab Sample ID: 500-133876-15

Date Collected: 09/08/17 13:30

Matrix: Water

Date Received: 09/12/17 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 20:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 20:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 20:14	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 20:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*09/20/17 20:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*09/20/17 20:14*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*09/20/17 20:14*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*09/20/17 20:14*	*1*

Client Sample ID: MW-W

Lab Sample ID: 500-133876-16

Date Collected: 09/08/17 13:45

Matrix: Water

Date Received: 09/12/17 10:15

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			09/20/17 20:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 20:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 20:39	1
Benzene	**5.2**		0.50	0.15	ug/L			09/20/17 20:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 20:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 20:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 20:39	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 20:39	1
Xylenes, Total	**1.3**		1.0	0.22	ug/L			09/20/17 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*09/20/17 20:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/20/17 20:39*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/20/17 20:39*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*09/20/17 20:39*	*1*

Client Sample ID: CMW-1

Lab Sample ID: 500-133876-17

Date Collected: 09/08/17 12:20

Matrix: Water

Date Received: 09/12/17 10:15

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			09/21/17 11:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/21/17 11:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/21/17 11:34	1
Benzene	<0.15		0.50	0.15	ug/L			09/21/17 11:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/21/17 11:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/21/17 11:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/21/17 11:34	1
Toluene	<0.15		0.50	0.15	ug/L			09/21/17 11:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/21/17 11:34	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: CMW-1

Lab Sample ID: 500-133876-17

Date Collected: 09/08/17 12:20

Matrix: Water

Date Received: 09/12/17 10:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*09/21/17 11:34*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*09/21/17 11:34*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*09/21/17 11:34*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/21/17 11:34*	*1*

Client Sample ID: PW-1

Lab Sample ID: 500-133876-18

Date Collected: 09/08/17 15:15

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.14		0.50	0.14	ug/L			09/13/17 17:52	1
1,1,1-Trichloroethane	<0.21		0.50	0.21	ug/L			09/13/17 17:52	1
1,1,2,2-Tetrachloroethane	<0.070		0.50	0.070	ug/L			09/13/17 17:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.17		0.50	0.17	ug/L			09/13/17 17:52	1
1,1,2-Trichloroethane	<0.17		0.50	0.17	ug/L			09/13/17 17:52	1
1,1-Dichloroethane	<0.18		0.50	0.18	ug/L			09/13/17 17:52	1
1,1-Dichloroethene	<0.16		0.50	0.16	ug/L			09/13/17 17:52	1
1,1-Dichloropropene	<0.063		0.50	0.063	ug/L			09/13/17 17:52	1
1,2,3-Trichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 17:52	1
1,2,3-Trichloropropane	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
1,2,4-Trichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
1,2,4-Trimethylbenzene	**0.40**	**J**	0.50	0.090	ug/L			09/13/17 17:52	1
1,2-Dichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 17:52	1
1,2-Dichloroethane	<0.14		0.50	0.14	ug/L			09/13/17 17:52	1
1,2-Dichloropropane	<0.11		0.50	0.11	ug/L			09/13/17 17:52	1
1,3,5-Trimethylbenzene	**0.19**	**J**	0.50	0.13	ug/L			09/13/17 17:52	1
1,3-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
1,3-Dichloropropane	<0.15		0.50	0.15	ug/L			09/13/17 17:52	1
1,4-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
2,2-Dichloropropane	<0.35		0.50	0.35	ug/L			09/13/17 17:52	1
2-Butanone (MEK)	<5.0		10	5.0	ug/L			09/13/17 17:52	1
2-Chlorotoluene	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
2-Hexanone	<5.0		10	5.0	ug/L			09/13/17 17:52	1
4-Chlorotoluene	<0.15		0.50	0.15	ug/L			09/13/17 17:52	1
4-Isopropyltoluene	<0.063		0.50	0.063	ug/L			09/13/17 17:52	1
4-Methyl-2-pentanone (MIBK)	<5.0		10	5.0	ug/L			09/13/17 17:52	1
Acetone	<5.0		10	5.0	ug/L			09/13/17 17:52	1
Acrylonitrile	<2.2		10	2.2	ug/L			09/13/17 17:52	1
Allyl chloride	<0.22		0.50	0.22	ug/L			09/13/17 17:52	1
Benzene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
Bromobenzene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
Bromochloromethane	<0.11		0.50	0.11	ug/L			09/13/17 17:52	1
Bromoform	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
Bromomethane	<0.23		0.50	0.23	ug/L			09/13/17 17:52	1
Carbon disulfide	<0.15		0.50	0.15	ug/L			09/13/17 17:52	1
Carbon tetrachloride	<0.21		0.50	0.21	ug/L			09/13/17 17:52	1
Chlorobenzene	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
Chlorodibromomethane	<0.16		0.50	0.16	ug/L			09/13/17 17:52	1
Chloroethane	<0.20		0.50	0.20	ug/L			09/13/17 17:52	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: PW-1

Lab Sample ID: 500-133876-18

Date Collected: 09/08/17 15:15

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.14		0.50	0.14	ug/L			09/13/17 17:52	1
Chloromethane	<0.17		0.50	0.17	ug/L			09/13/17 17:52	1
cis-1,2-Dichloroethene	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
cis-1,3-Dichloropropene	<0.080		0.50	0.080	ug/L			09/13/17 17:52	1
Dibromomethane	<0.17		0.50	0.17	ug/L			09/13/17 17:52	1
Dichlorobromomethane	<0.14		0.50	0.14	ug/L			09/13/17 17:52	1
Dichlorodifluoromethane	<0.15		0.50	0.15	ug/L			09/13/17 17:52	1
Dichlorofluoromethane	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
Ethyl ether	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
Ethylbenzene	<0.11		0.50	0.11	ug/L			09/13/17 17:52	1
Hexachlorobutadiene	<0.11		0.50	0.11	ug/L			09/13/17 17:52	1
Iodomethane	<0.15		0.50	0.15	ug/L			09/13/17 17:52	1
Isopropylbenzene	<0.16		0.50	0.16	ug/L			09/13/17 17:52	1
Methyl tert-butyl ether	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
Methylene Chloride	<0.99	*	2.5	0.99	ug/L			09/13/17 17:52	1
m-Xylene & p-Xylene	<0.30		1.0	0.30	ug/L			09/13/17 17:52	1
Naphthalene	<0.15		0.50	0.15	ug/L			09/13/17 17:52	1
n-Butylbenzene	<0.081		0.50	0.081	ug/L			09/13/17 17:52	1
N-Propylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
o-Xylene	<0.12		0.50	0.12	ug/L			09/13/17 17:52	1
sec-Butylbenzene	<0.068		0.50	0.068	ug/L			09/13/17 17:52	1
Styrene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
t-Butanol	<2.5		10	2.5	ug/L			09/13/17 17:52	1
tert-Butylbenzene	<0.060		0.50	0.060	ug/L			09/13/17 17:52	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			09/13/17 17:52	1
Toluene	<0.10		0.50	0.10	ug/L			09/13/17 17:52	1
trans-1,2-Dichloroethene	<0.13		0.50	0.13	ug/L			09/13/17 17:52	1
trans-1,3-Dichloropropene	<0.10		0.50	0.10	ug/L			09/13/17 17:52	1
trans-1,4-Dichloro-2-butene	<1.3		2.5	1.3	ug/L			09/13/17 17:52	1
Trichloroethene	<0.18		0.50	0.18	ug/L			09/13/17 17:52	1
Trichlorofluoromethane	<0.19		0.50	0.19	ug/L			09/13/17 17:52	1
Trihalomethanes, Total	<1.0		2.0	1.0	ug/L			09/13/17 17:52	1
Vinyl acetate	<0.45		2.5	0.45	ug/L			09/13/17 17:52	1
Vinyl chloride	<0.18		0.50	0.18	ug/L			09/13/17 17:52	1
Xylenes, Total	<0.12		1.0	0.12	ug/L			09/13/17 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*		*09/13/17 17:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*09/13/17 17:52*	*1*

Client Sample ID: PW-4

Lab Sample ID: 500-133876-19

Date Collected: 09/08/17 15:30

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.14		0.50	0.14	ug/L			09/13/17 18:19	1
1,1,1-Trichloroethane	<0.21		0.50	0.21	ug/L			09/13/17 18:19	1
1,1,2,2-Tetrachloroethane	<0.070		0.50	0.070	ug/L			09/13/17 18:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.17		0.50	0.17	ug/L			09/13/17 18:19	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: PW-4
Date Collected: 09/08/17 15:30
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-19
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.17		0.50	0.17	ug/L			09/13/17 18:19	1
1,1-Dichloroethane	<0.18		0.50	0.18	ug/L			09/13/17 18:19	1
1,1-Dichloroethene	<0.16		0.50	0.16	ug/L			09/13/17 18:19	1
1,1-Dichloropropene	<0.063		0.50	0.063	ug/L			09/13/17 18:19	1
1,2,3-Trichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 18:19	1
1,2,3-Trichloropropane	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1
1,2,4-Trichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
1,2,4-Trimethylbenzene	<0.090		0.50	0.090	ug/L			09/13/17 18:19	1
1,2-Dichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 18:19	1
1,2-Dichloroethane	<0.14		0.50	0.14	ug/L			09/13/17 18:19	1
1,2-Dichloropropane	<0.11		0.50	0.11	ug/L			09/13/17 18:19	1
1,3,5-Trimethylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
1,3-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
1,3-Dichloropropane	<0.15		0.50	0.15	ug/L			09/13/17 18:19	1
1,4-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
2,2-Dichloropropane	<0.35		0.50	0.35	ug/L			09/13/17 18:19	1
2-Butanone (MEK)	<5.0		10	5.0	ug/L			09/13/17 18:19	1
2-Chlorotoluene	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1
2-Hexanone	<5.0		10	5.0	ug/L			09/13/17 18:19	1
4-Chlorotoluene	<0.15		0.50	0.15	ug/L			09/13/17 18:19	1
4-Isopropyltoluene	<0.063		0.50	0.063	ug/L			09/13/17 18:19	1
4-Methyl-2-pentanone (MIBK)	<5.0		10	5.0	ug/L			09/13/17 18:19	1
Acetone	<5.0		10	5.0	ug/L			09/13/17 18:19	1
Acrylonitrile	<2.2		10	2.2	ug/L			09/13/17 18:19	1
Allyl chloride	<0.22		0.50	0.22	ug/L			09/13/17 18:19	1
Benzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
Bromobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
Bromochloromethane	<0.11		0.50	0.11	ug/L			09/13/17 18:19	1
Bromoform	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
Bromomethane	<0.23		0.50	0.23	ug/L			09/13/17 18:19	1
Carbon disulfide	<0.15		0.50	0.15	ug/L			09/13/17 18:19	1
Carbon tetrachloride	<0.21		0.50	0.21	ug/L			09/13/17 18:19	1
Chlorobenzene	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1
Chlorodibromomethane	<0.16		0.50	0.16	ug/L			09/13/17 18:19	1
Chloroethane	<0.20		0.50	0.20	ug/L			09/13/17 18:19	1
Chloroform	<0.14		0.50	0.14	ug/L			09/13/17 18:19	1
Chloromethane	<0.17		0.50	0.17	ug/L			09/13/17 18:19	1
cis-1,2-Dichloroethene	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1
cis-1,3-Dichloropropene	<0.080		0.50	0.080	ug/L			09/13/17 18:19	1
Dibromomethane	<0.17		0.50	0.17	ug/L			09/13/17 18:19	1
Dichlorobromomethane	<0.14		0.50	0.14	ug/L			09/13/17 18:19	1
Dichlorodifluoromethane	<0.15		0.50	0.15	ug/L			09/13/17 18:19	1
Dichlorofluoromethane	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
Ethyl ether	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1
Ethylbenzene	<0.11		0.50	0.11	ug/L			09/13/17 18:19	1
Hexachlorobutadiene	<0.11		0.50	0.11	ug/L			09/13/17 18:19	1
Iodomethane	<0.15		0.50	0.15	ug/L			09/13/17 18:19	1
Isopropylbenzene	<0.16		0.50	0.16	ug/L			09/13/17 18:19	1
Methyl tert-butyl ether	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: PW-4

Lab Sample ID: 500-133876-19

Date Collected: 09/08/17 15:30

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.99	*	2.5	0.99	ug/L			09/13/17 18:19	1
m-Xylene & p-Xylene	<0.30		1.0	0.30	ug/L			09/13/17 18:19	1
Naphthalene	<0.15		0.50	0.15	ug/L			09/13/17 18:19	1
n-Butylbenzene	<0.081		0.50	0.081	ug/L			09/13/17 18:19	1
N-Propylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
o-Xylene	<0.12		0.50	0.12	ug/L			09/13/17 18:19	1
sec-Butylbenzene	<0.068		0.50	0.068	ug/L			09/13/17 18:19	1
Styrene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
t-Butanol	<2.5		10	2.5	ug/L			09/13/17 18:19	1
tert-Butylbenzene	<0.060		0.50	0.060	ug/L			09/13/17 18:19	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			09/13/17 18:19	1
Toluene	<0.10		0.50	0.10	ug/L			09/13/17 18:19	1
trans-1,2-Dichloroethene	<0.13		0.50	0.13	ug/L			09/13/17 18:19	1
trans-1,3-Dichloropropene	<0.10		0.50	0.10	ug/L			09/13/17 18:19	1
trans-1,4-Dichloro-2-butene	<1.3		2.5	1.3	ug/L			09/13/17 18:19	1
Trichloroethene	<0.18		0.50	0.18	ug/L			09/13/17 18:19	1
Trichlorofluoromethane	<0.19		0.50	0.19	ug/L			09/13/17 18:19	1
Trihalomethanes, Total	<1.0		2.0	1.0	ug/L			09/13/17 18:19	1
Vinyl acetate	<0.45		2.5	0.45	ug/L			09/13/17 18:19	1
Vinyl chloride	<0.18		0.50	0.18	ug/L			09/13/17 18:19	1
Xylenes, Total	<0.12		1.0	0.12	ug/L			09/13/17 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*95*		*80 - 120*		*09/13/17 18:19*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*09/13/17 18:19*	*1*

Client Sample ID: PW-5

Lab Sample ID: 500-133876-20

Date Collected: 09/08/17 15:00

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.14		0.50	0.14	ug/L			09/13/17 18:46	1
1,1,1-Trichloroethane	<0.21		0.50	0.21	ug/L			09/13/17 18:46	1
1,1,2,2-Tetrachloroethane	<0.070		0.50	0.070	ug/L			09/13/17 18:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.17		0.50	0.17	ug/L			09/13/17 18:46	1
1,1,2-Trichloroethane	<0.17		0.50	0.17	ug/L			09/13/17 18:46	1
1,1-Dichloroethane	<0.18		0.50	0.18	ug/L			09/13/17 18:46	1
1,1-Dichloroethene	<0.16		0.50	0.16	ug/L			09/13/17 18:46	1
1,1-Dichloropropene	<0.063		0.50	0.063	ug/L			09/13/17 18:46	1
1,2,3-Trichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 18:46	1
1,2,3-Trichloropropane	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
1,2,4-Trichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
1,2,4-Trimethylbenzene	<0.090		0.50	0.090	ug/L			09/13/17 18:46	1
1,2-Dichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 18:46	1
1,2-Dichloroethane	<0.14		0.50	0.14	ug/L			09/13/17 18:46	1
1,2-Dichloropropane	<0.11		0.50	0.11	ug/L			09/13/17 18:46	1
1,3,5-Trimethylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
1,3-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
1,3-Dichloropropane	<0.15		0.50	0.15	ug/L			09/13/17 18:46	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: PW-5
Date Collected: 09/08/17 15:00
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-20
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
2,2-Dichloropropane	<0.35		0.50	0.35	ug/L			09/13/17 18:46	1
2-Butanone (MEK)	<5.0		10	5.0	ug/L			09/13/17 18:46	1
2-Chlorotoluene	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
2-Hexanone	<5.0		10	5.0	ug/L			09/13/17 18:46	1
4-Chlorotoluene	<0.15		0.50	0.15	ug/L			09/13/17 18:46	1
4-Isopropyltoluene	<0.063		0.50	0.063	ug/L			09/13/17 18:46	1
4-Methyl-2-pentanone (MIBK)	<5.0		10	5.0	ug/L			09/13/17 18:46	1
Acetone	<5.0		10	5.0	ug/L			09/13/17 18:46	1
Acrylonitrile	<2.2		10	2.2	ug/L			09/13/17 18:46	1
Allyl chloride	<0.22		0.50	0.22	ug/L			09/13/17 18:46	1
Benzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
Bromobenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
Bromochloromethane	<0.11		0.50	0.11	ug/L			09/13/17 18:46	1
Bromoform	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
Bromomethane	<0.23		0.50	0.23	ug/L			09/13/17 18:46	1
Carbon disulfide	<0.15		0.50	0.15	ug/L			09/13/17 18:46	1
Carbon tetrachloride	<0.21		0.50	0.21	ug/L			09/13/17 18:46	1
Chlorobenzene	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
Chlorodibromomethane	<0.16		0.50	0.16	ug/L			09/13/17 18:46	1
Chloroethane	<0.20		0.50	0.20	ug/L			09/13/17 18:46	1
Chloroform	<0.14		0.50	0.14	ug/L			09/13/17 18:46	1
Chloromethane	<0.17		0.50	0.17	ug/L			09/13/17 18:46	1
cis-1,2-Dichloroethene	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
cis-1,3-Dichloropropene	<0.080		0.50	0.080	ug/L			09/13/17 18:46	1
Dibromomethane	<0.17		0.50	0.17	ug/L			09/13/17 18:46	1
Dichlorobromomethane	<0.14		0.50	0.14	ug/L			09/13/17 18:46	1
Dichlorodifluoromethane	<0.15		0.50	0.15	ug/L			09/13/17 18:46	1
Dichlorofluoromethane	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
Ethyl ether	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
Ethylbenzene	<0.11		0.50	0.11	ug/L			09/13/17 18:46	1
Hexachlorobutadiene	<0.11		0.50	0.11	ug/L			09/13/17 18:46	1
Iodomethane	<0.15		0.50	0.15	ug/L			09/13/17 18:46	1
Isopropylbenzene	<0.16		0.50	0.16	ug/L			09/13/17 18:46	1
Methyl tert-butyl ether	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
Methylene Chloride	<0.99	*	2.5	0.99	ug/L			09/13/17 18:46	1
m-Xylene & p-Xylene	<0.30		1.0	0.30	ug/L			09/13/17 18:46	1
Naphthalene	<0.15		0.50	0.15	ug/L			09/13/17 18:46	1
n-Butylbenzene	<0.081		0.50	0.081	ug/L			09/13/17 18:46	1
N-Propylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
o-Xylene	<0.12		0.50	0.12	ug/L			09/13/17 18:46	1
sec-Butylbenzene	<0.068		0.50	0.068	ug/L			09/13/17 18:46	1
Styrene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
t-Butanol	<2.5		10	2.5	ug/L			09/13/17 18:46	1
tert-Butylbenzene	<0.060		0.50	0.060	ug/L			09/13/17 18:46	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			09/13/17 18:46	1
Toluene	<0.10		0.50	0.10	ug/L			09/13/17 18:46	1
trans-1,2-Dichloroethene	<0.13		0.50	0.13	ug/L			09/13/17 18:46	1
trans-1,3-Dichloropropene	<0.10		0.50	0.10	ug/L			09/13/17 18:46	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: PW-5

Lab Sample ID: 500-133876-20

Date Collected: 09/08/17 15:00

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	<1.3		2.5	1.3	ug/L			09/13/17 18:46	1
Trichloroethene	<0.18		0.50	0.18	ug/L			09/13/17 18:46	1
Trichlorofluoromethane	<0.19		0.50	0.19	ug/L			09/13/17 18:46	1
Trihalomethanes, Total	<1.0		2.0	1.0	ug/L			09/13/17 18:46	1
Vinyl acetate	<0.45		2.5	0.45	ug/L			09/13/17 18:46	1
Vinyl chloride	<0.18		0.50	0.18	ug/L			09/13/17 18:46	1
Xylenes, Total	<0.12		1.0	0.12	ug/L			09/13/17 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*97*		*80 - 120*		*09/13/17 18:46*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*09/13/17 18:46*	*1*

Client Sample ID: Strey Well

Lab Sample ID: 500-133876-21

Date Collected: 09/08/17 15:45

Matrix: Water

Date Received: 09/12/17 10:15

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.14		0.50	0.14	ug/L			09/13/17 19:12	1
1,1,1-Trichloroethane	<0.21		0.50	0.21	ug/L			09/13/17 19:12	1
1,1,2,2-Tetrachloroethane	<0.070		0.50	0.070	ug/L			09/13/17 19:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.17		0.50	0.17	ug/L			09/13/17 19:12	1
1,1,2-Trichloroethane	<0.17		0.50	0.17	ug/L			09/13/17 19:12	1
1,1-Dichloroethane	<0.18		0.50	0.18	ug/L			09/13/17 19:12	1
1,1-Dichloroethene	<0.16		0.50	0.16	ug/L			09/13/17 19:12	1
1,1-Dichloropropene	<0.063		0.50	0.063	ug/L			09/13/17 19:12	1
1,2,3-Trichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 19:12	1
1,2,3-Trichloropropane	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
1,2,4-Trichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
1,2,4-Trimethylbenzene	<0.090		0.50	0.090	ug/L			09/13/17 19:12	1
1,2-Dichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 19:12	1
1,2-Dichloroethane	<0.14		0.50	0.14	ug/L			09/13/17 19:12	1
1,2-Dichloropropane	<0.11		0.50	0.11	ug/L			09/13/17 19:12	1
1,3,5-Trimethylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
1,3-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
1,3-Dichloropropane	<0.15		0.50	0.15	ug/L			09/13/17 19:12	1
1,4-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
2,2-Dichloropropane	<0.35		0.50	0.35	ug/L			09/13/17 19:12	1
2-Butanone (MEK)	<5.0		10	5.0	ug/L			09/13/17 19:12	1
2-Chlorotoluene	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
2-Hexanone	<5.0		10	5.0	ug/L			09/13/17 19:12	1
4-Chlorotoluene	<0.15		0.50	0.15	ug/L			09/13/17 19:12	1
4-Isopropyltoluene	<0.063		0.50	0.063	ug/L			09/13/17 19:12	1
4-Methyl-2-pentanone (MIBK)	<5.0		10	5.0	ug/L			09/13/17 19:12	1
Acetone	<5.0		10	5.0	ug/L			09/13/17 19:12	1
Acrylonitrile	<2.2		10	2.2	ug/L			09/13/17 19:12	1
Allyl chloride	<0.22		0.50	0.22	ug/L			09/13/17 19:12	1
Benzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
Bromobenzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
Bromochloromethane	<0.11		0.50	0.11	ug/L			09/13/17 19:12	1

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: Strey Well
Date Collected: 09/08/17 15:45
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-21
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
Bromomethane	<0.23		0.50	0.23	ug/L			09/13/17 19:12	1
Carbon disulfide	<0.15		0.50	0.15	ug/L			09/13/17 19:12	1
Carbon tetrachloride	<0.21		0.50	0.21	ug/L			09/13/17 19:12	1
Chlorobenzene	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
Chlorodibromomethane	<0.16		0.50	0.16	ug/L			09/13/17 19:12	1
Chloroethane	<0.20		0.50	0.20	ug/L			09/13/17 19:12	1
Chloroform	<0.14		0.50	0.14	ug/L			09/13/17 19:12	1
Chloromethane	<0.17		0.50	0.17	ug/L			09/13/17 19:12	1
cis-1,2-Dichloroethene	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
cis-1,3-Dichloropropene	<0.080		0.50	0.080	ug/L			09/13/17 19:12	1
Dibromomethane	<0.17		0.50	0.17	ug/L			09/13/17 19:12	1
Dichlorobromomethane	<0.14		0.50	0.14	ug/L			09/13/17 19:12	1
Dichlorodifluoromethane	<0.15		0.50	0.15	ug/L			09/13/17 19:12	1
Dichlorofluoromethane	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
Ethyl ether	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
Ethylbenzene	<0.11		0.50	0.11	ug/L			09/13/17 19:12	1
Hexachlorobutadiene	<0.11		0.50	0.11	ug/L			09/13/17 19:12	1
Iodomethane	<0.15		0.50	0.15	ug/L			09/13/17 19:12	1
Isopropylbenzene	<0.16		0.50	0.16	ug/L			09/13/17 19:12	1
Methyl tert-butyl ether	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
Methylene Chloride	<0.99	*	2.5	0.99	ug/L			09/13/17 19:12	1
m-Xylene & p-Xylene	<0.30		1.0	0.30	ug/L			09/13/17 19:12	1
Naphthalene	<0.15		0.50	0.15	ug/L			09/13/17 19:12	1
n-Butylbenzene	<0.081		0.50	0.081	ug/L			09/13/17 19:12	1
N-Propylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
o-Xylene	<0.12		0.50	0.12	ug/L			09/13/17 19:12	1
sec-Butylbenzene	<0.068		0.50	0.068	ug/L			09/13/17 19:12	1
Styrene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
t-Butanol	<2.5		10	2.5	ug/L			09/13/17 19:12	1
tert-Butylbenzene	<0.060		0.50	0.060	ug/L			09/13/17 19:12	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			09/13/17 19:12	1
Toluene	<0.10		0.50	0.10	ug/L			09/13/17 19:12	1
trans-1,2-Dichloroethene	<0.13		0.50	0.13	ug/L			09/13/17 19:12	1
trans-1,3-Dichloropropene	<0.10		0.50	0.10	ug/L			09/13/17 19:12	1
trans-1,4-Dichloro-2-butene	<1.3		2.5	1.3	ug/L			09/13/17 19:12	1
Trichloroethene	<0.18		0.50	0.18	ug/L			09/13/17 19:12	1
Trichlorofluoromethane	<0.19		0.50	0.19	ug/L			09/13/17 19:12	1
Trihalomethanes, Total	<1.0		2.0	1.0	ug/L			09/13/17 19:12	1
Vinyl acetate	<0.45		2.5	0.45	ug/L			09/13/17 19:12	1
Vinyl chloride	<0.18		0.50	0.18	ug/L			09/13/17 19:12	1
Xylenes, Total	<0.12		1.0	0.12	ug/L			09/13/17 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*96*		*80 - 120*		*09/13/17 19:12*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*09/13/17 19:12*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: Trip Blank
Date Collected: 09/08/17 00:00
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-22
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			09/21/17 11:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/21/17 11:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/21/17 11:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/21/17 11:07	1
Benzene	<0.15		0.50	0.15	ug/L			09/21/17 11:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/21/17 11:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/21/17 11:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/21/17 11:07	1
Toluene	<0.15		0.50	0.15	ug/L			09/21/17 11:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/21/17 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*09/21/17 11:07*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*09/21/17 11:07*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*09/21/17 11:07*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/21/17 11:07*	*1*

Definitions/Glossary

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

TestAmerica Job ID: 500-133876-1

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.
*	LCS or LCSD is outside acceptance 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: Darri Concepts - 03-05510

TestAmerica Job ID: 500-133876-1

GC/MS VOA

Analysis Batch: 376510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133876-18	PW-1	Total/NA	Water	524.2	
500-133876-19	PW-4	Total/NA	Water	524.2	
500-133876-20	PW-5	Total/NA	Water	524.2	
500-133876-21	Strey Well	Total/NA	Water	524.2	
MB 480-376510/8	Method Blank	Total/NA	Water	524.2	
LCS 480-376510/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-376510/6	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-376510/7	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 402055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133876-1	MW-1A	Total/NA	Water	8260B	
500-133876-2	MW-3	Total/NA	Water	8260B	
500-133876-3	MW-3A	Total/NA	Water	8260B	
500-133876-3 - DL	MW-3A	Total/NA	Water	8260B	
500-133876-4	MW-4A	Total/NA	Water	8260B	
500-133876-5	MW-4R	Total/NA	Water	8260B	
500-133876-5 - DL	MW-4R	Total/NA	Water	8260B	
500-133876-6	MW-5	Total/NA	Water	8260B	
500-133876-7 - DL	MW-5A	Total/NA	Water	8260B	
500-133876-8	MW-6	Total/NA	Water	8260B	
500-133876-9	MW-6A	Total/NA	Water	8260B	
500-133876-12	PZ-7	Total/NA	Water	8260B	
500-133876-13	MW-9	Total/NA	Water	8260B	
500-133876-14	MW-10	Total/NA	Water	8260B	
500-133876-14 - DL	MW-10	Total/NA	Water	8260B	
500-133876-15	MW-E	Total/NA	Water	8260B	
500-133876-16	MW-W	Total/NA	Water	8260B	
MB 500-402055/7	Method Blank	Total/NA	Water	8260B	
LCS 500-402055/5	Lab Control Sample	Total/NA	Water	8260B	
500-133876-1 MS	MW-1A	Total/NA	Water	8260B	
500-133876-1 MSD	MW-1A	Total/NA	Water	8260B	

Analysis Batch: 402176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-133876-7	MW-5A	Total/NA	Water	8260B	
500-133876-17	CMW-1	Total/NA	Water	8260B	
500-133876-22	Trip Blank	Total/NA	Water	8260B	
MB 500-402176/7	Method Blank	Total/NA	Water	8260B	
LCS 500-402176/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	12DCB (80-120)	BFB (80-120)
500-133876-18	PW-1	99	96
500-133876-19	PW-4	95	96
500-133876-20	PW-5	97	97
500-133876-21	Strey Well	96	97
LCS 480-376510/5	Lab Control Sample	98	96
LCSD 480-376510/6	Lab Control Sample Dup	99	98
LLCS 480-376510/7	Lab Control Sample	94	98
MB 480-376510/8	Method Blank	98	95

Surrogate Legend

12DCB = 1,2-Dichlorobenzene-d4
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-133876-1	MW-1A	100	97	92	93
500-133876-1 MS	MW-1A	103	91	95	95
500-133876-1 MSD	MW-1A	101	93	93	95
500-133876-2	MW-3	101	96	93	93
500-133876-3	MW-3A	102	93	92	97
500-133876-3 - DL	MW-3A	105	97	96	94
500-133876-4	MW-4A	104	95	92	94
500-133876-5	MW-4R	101	90	89	96
500-133876-5 - DL	MW-4R	99	94	91	94
500-133876-6	MW-5	101	96	91	95
500-133876-7 - DL	MW-5A	102	94	92	94
500-133876-7	MW-5A	98	95	96	104
500-133876-8	MW-6	104	98	94	95
500-133876-9	MW-6A	104	101	94	93
500-133876-12	PZ-7	102	97	92	94
500-133876-13	MW-9	103	99	94	93
500-133876-14	MW-10	103	91	93	97
500-133876-14 - DL	MW-10	101	97	94	93
500-133876-15	MW-E	101	96	92	92
500-133876-16	MW-W	102	99	94	92
500-133876-17	CMW-1	103	95	98	101
500-133876-22	Trip Blank	104	95	97	101
LCS 500-402055/5	Lab Control Sample	97	93	91	95
LCS 500-402176/5	Lab Control Sample	100	95	98	103
MB 500-402055/7	Method Blank	103	101	94	93
MB 500-402176/7	Method Blank	99	97	97	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane

Surrogate Summary

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

TestAmerica Job ID: 500-133876-1

TOL = Toluene-d8 (Surr)

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-376510/8
Matrix: Water
Analysis Batch: 376510

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.14		0.50	0.14	ug/L			09/13/17 13:12	1
1,1,1-Trichloroethane	<0.21		0.50	0.21	ug/L			09/13/17 13:12	1
1,1,2,2-Tetrachloroethane	<0.070		0.50	0.070	ug/L			09/13/17 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.17		0.50	0.17	ug/L			09/13/17 13:12	1
1,1,2-Trichloroethane	<0.17		0.50	0.17	ug/L			09/13/17 13:12	1
1,1-Dichloroethane	<0.18		0.50	0.18	ug/L			09/13/17 13:12	1
1,1-Dichloroethene	<0.16		0.50	0.16	ug/L			09/13/17 13:12	1
1,1-Dichloropropene	<0.063		0.50	0.063	ug/L			09/13/17 13:12	1
1,2,3-Trichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 13:12	1
1,2,3-Trichloropropane	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1
1,2,4-Trichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
1,2,4-Trimethylbenzene	<0.090		0.50	0.090	ug/L			09/13/17 13:12	1
1,2-Dichlorobenzene	<0.16		0.50	0.16	ug/L			09/13/17 13:12	1
1,2-Dichloroethane	<0.14		0.50	0.14	ug/L			09/13/17 13:12	1
1,2-Dichloropropane	<0.11		0.50	0.11	ug/L			09/13/17 13:12	1
1,3,5-Trimethylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
1,3-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
1,3-Dichloropropane	<0.15		0.50	0.15	ug/L			09/13/17 13:12	1
1,4-Dichlorobenzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
2,2-Dichloropropane	<0.35		0.50	0.35	ug/L			09/13/17 13:12	1
2-Butanone (MEK)	<5.0		10	5.0	ug/L			09/13/17 13:12	1
2-Chlorotoluene	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1
2-Hexanone	<5.0		10	5.0	ug/L			09/13/17 13:12	1
4-Chlorotoluene	<0.15		0.50	0.15	ug/L			09/13/17 13:12	1
4-Isopropyltoluene	<0.063		0.50	0.063	ug/L			09/13/17 13:12	1
4-Methyl-2-pentanone (MIBK)	<5.0		10	5.0	ug/L			09/13/17 13:12	1
Acetone	<5.0		10	5.0	ug/L			09/13/17 13:12	1
Acrylonitrile	<2.2		10	2.2	ug/L			09/13/17 13:12	1
Allyl chloride	<0.22		0.50	0.22	ug/L			09/13/17 13:12	1
Benzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
Bromobenzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
Bromochloromethane	<0.11		0.50	0.11	ug/L			09/13/17 13:12	1
Bromoform	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
Bromomethane	<0.23		0.50	0.23	ug/L			09/13/17 13:12	1
Carbon disulfide	<0.15		0.50	0.15	ug/L			09/13/17 13:12	1
Carbon tetrachloride	<0.21		0.50	0.21	ug/L			09/13/17 13:12	1
Chlorobenzene	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1
Chlorodibromomethane	<0.16		0.50	0.16	ug/L			09/13/17 13:12	1
Chloroethane	<0.20		0.50	0.20	ug/L			09/13/17 13:12	1
Chloroform	<0.14		0.50	0.14	ug/L			09/13/17 13:12	1
Chloromethane	<0.17		0.50	0.17	ug/L			09/13/17 13:12	1
cis-1,2-Dichloroethene	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1
cis-1,3-Dichloropropene	<0.080		0.50	0.080	ug/L			09/13/17 13:12	1
Dibromomethane	<0.17		0.50	0.17	ug/L			09/13/17 13:12	1
Dichlorobromomethane	<0.14		0.50	0.14	ug/L			09/13/17 13:12	1
Dichlorodifluoromethane	<0.15		0.50	0.15	ug/L			09/13/17 13:12	1
Dichlorofluoromethane	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
Ethyl ether	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-376510/8
Matrix: Water
Analysis Batch: 376510

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.11		0.50	0.11	ug/L			09/13/17 13:12	1
Hexachlorobutadiene	<0.11		0.50	0.11	ug/L			09/13/17 13:12	1
Iodomethane	<0.15		0.50	0.15	ug/L			09/13/17 13:12	1
Isopropylbenzene	<0.16		0.50	0.16	ug/L			09/13/17 13:12	1
Methyl tert-butyl ether	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1
Methylene Chloride	<0.99		2.5	0.99	ug/L			09/13/17 13:12	1
m-Xylene & p-Xylene	<0.30		1.0	0.30	ug/L			09/13/17 13:12	1
Naphthalene	<0.15		0.50	0.15	ug/L			09/13/17 13:12	1
n-Butylbenzene	<0.081		0.50	0.081	ug/L			09/13/17 13:12	1
N-Propylbenzene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
o-Xylene	<0.12		0.50	0.12	ug/L			09/13/17 13:12	1
sec-Butylbenzene	<0.068		0.50	0.068	ug/L			09/13/17 13:12	1
Styrene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
t-Butanol	<2.5		10	2.5	ug/L			09/13/17 13:12	1
tert-Butylbenzene	<0.060		0.50	0.060	ug/L			09/13/17 13:12	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			09/13/17 13:12	1
Toluene	<0.10		0.50	0.10	ug/L			09/13/17 13:12	1
trans-1,2-Dichloroethene	<0.13		0.50	0.13	ug/L			09/13/17 13:12	1
trans-1,3-Dichloropropene	<0.10		0.50	0.10	ug/L			09/13/17 13:12	1
trans-1,4-Dichloro-2-butene	<1.3		2.5	1.3	ug/L			09/13/17 13:12	1
Trichloroethene	<0.18		0.50	0.18	ug/L			09/13/17 13:12	1
Trichlorofluoromethane	<0.19		0.50	0.19	ug/L			09/13/17 13:12	1
Trihalomethanes, Total	<1.0		2.0	1.0	ug/L			09/13/17 13:12	1
Vinyl acetate	<0.45		2.5	0.45	ug/L			09/13/17 13:12	1
Vinyl chloride	<0.18		0.50	0.18	ug/L			09/13/17 13:12	1
Xylenes, Total	<0.12		1.0	0.12	ug/L			09/13/17 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*		*09/13/17 13:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*09/13/17 13:12*	*1*

Lab Sample ID: LCS 480-376510/5
Matrix: Water
Analysis Batch: 376510

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.82		ug/L		95	70 - 130
1,1,1-Trichloroethane	4.00	3.75		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	4.00	3.69		ug/L		92	70 - 130
1,1,2-Trichloroethane	4.00	3.80		ug/L		95	70 - 130
1,1-Dichloroethane	4.00	3.77		ug/L		94	70 - 130
1,1-Dichloroethene	4.00	3.40		ug/L		85	70 - 130
1,1-Dichloropropene	4.00	3.91		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	4.00	3.59		ug/L		90	70 - 130
1,2,3-Trichloropropane	4.00	3.87		ug/L		97	70 - 130
1,2,4-Trichlorobenzene	4.00	3.57		ug/L		89	70 - 130
1,2,4-Trimethylbenzene	4.00	3.66		ug/L		91	70 - 130
1,2-Dichlorobenzene	4.00	3.71		ug/L		93	70 - 130

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-376510/5
Matrix: Water
Analysis Batch: 376510

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	4.00	3.85		ug/L		96	70 - 130
1,2-Dichloropropane	4.00	3.67		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	4.00	3.75		ug/L		94	70 - 130
1,3-Dichlorobenzene	4.00	3.82		ug/L		95	70 - 130
1,3-Dichloropropane	4.00	3.70		ug/L		93	70 - 130
1,4-Dichlorobenzene	4.00	3.82		ug/L		95	70 - 130
2,2-Dichloropropane	4.00	3.36		ug/L		84	70 - 130
2-Butanone (MEK)	20.0	18.8		ug/L		94	70 - 130
2-Chlorotoluene	4.00	3.75		ug/L		94	70 - 130
2-Hexanone	20.0	18.2		ug/L		91	70 - 130
4-Chlorotoluene	4.00	3.79		ug/L		95	70 - 130
4-Isopropyltoluene	4.00	3.64		ug/L		91	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	17.9		ug/L		89	70 - 130
Acetone	20.0	21.3		ug/L		107	70 - 130
Benzene	4.00	3.95		ug/L		99	70 - 130
Bromobenzene	4.00	3.97		ug/L		99	70 - 130
Bromochloromethane	4.00	3.93		ug/L		98	70 - 130
Bromoform	4.00	3.86		ug/L		96	70 - 130
Bromomethane	4.00	3.92		ug/L		98	70 - 130
Carbon disulfide	4.00	3.76		ug/L		94	70 - 130
Carbon tetrachloride	4.00	3.74		ug/L		94	70 - 130
Chlorobenzene	4.00	3.78		ug/L		94	70 - 130
Chlorodibromomethane	4.00	3.70		ug/L		93	70 - 130
Chloroethane	4.00	3.76		ug/L		94	70 - 130
Chloroform	4.00	3.73		ug/L		93	70 - 130
Chloromethane	4.00	4.12		ug/L		103	70 - 130
cis-1,2-Dichloroethene	4.00	3.67		ug/L		92	70 - 130
cis-1,3-Dichloropropene	4.00	3.82		ug/L		95	70 - 130
Dibromomethane	4.00	3.70		ug/L		93	70 - 130
Dichlorobromomethane	4.00	3.72		ug/L		93	70 - 130
Dichlorodifluoromethane	4.00	4.17		ug/L		104	70 - 130
Ethylbenzene	4.00	3.66		ug/L		92	70 - 130
Hexachlorobutadiene	4.00	3.61		ug/L		90	70 - 130
Isopropylbenzene	4.00	3.63		ug/L		91	70 - 130
Methyl tert-butyl ether	4.00	3.75		ug/L		94	70 - 130
Methylene Chloride	4.00	4.33		ug/L		108	70 - 130
Naphthalene	4.00	3.43		ug/L		86	70 - 130
n-Butylbenzene	4.00	3.56		ug/L		89	70 - 130
N-Propylbenzene	4.00	3.77		ug/L		94	70 - 130
sec-Butylbenzene	4.00	3.67		ug/L		92	70 - 130
Styrene	4.00	3.66		ug/L		91	70 - 130
tert-Butylbenzene	4.00	3.75		ug/L		94	70 - 130
Tetrachloroethene	4.00	3.85		ug/L		96	70 - 130
Toluene	4.00	3.72		ug/L		93	70 - 130
trans-1,2-Dichloroethene	4.00	3.70		ug/L		92	70 - 130
trans-1,3-Dichloropropene	4.00	3.69		ug/L		92	70 - 130
Trichloroethene	4.00	3.86		ug/L		96	70 - 130
Trichlorofluoromethane	4.00	4.14		ug/L		104	70 - 130

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-376510/5
Matrix: Water
Analysis Batch: 376510

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			4.00	4.05		ug/L		101	70 - 130		
Xylenes, Total			8.00	7.34		ug/L		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 480-376510/6
Matrix: Water
Analysis Batch: 376510

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
1,1,1,2-Tetrachloroethane			4.00	3.85		ug/L		96	70 - 130	1	20
1,1,1-Trichloroethane			4.00	3.93		ug/L		98	70 - 130	5	20
1,1,2,2-Tetrachloroethane			4.00	3.79		ug/L		95	70 - 130	3	20
1,1,2-Trichloroethane			4.00	3.84		ug/L		96	70 - 130	1	20
1,1-Dichloroethane			4.00	3.79		ug/L		95	70 - 130	0	20
1,1-Dichloroethene			4.00	3.55		ug/L		89	70 - 130	4	20
1,1-Dichloropropene			4.00	4.02		ug/L		101	70 - 130	3	20
1,2,3-Trichlorobenzene			4.00	3.68		ug/L		92	70 - 130	2	20
1,2,3-Trichloropropane			4.00	3.95		ug/L		99	70 - 130	2	20
1,2,4-Trichlorobenzene			4.00	3.67		ug/L		92	70 - 130	3	20
1,2,4-Trimethylbenzene			4.00	3.81		ug/L		95	70 - 130	4	20
1,2-Dichlorobenzene			4.00	3.93		ug/L		98	70 - 130	6	20
1,2-Dichloroethane			4.00	3.93		ug/L		98	70 - 130	2	20
1,2-Dichloropropane			4.00	3.80		ug/L		95	70 - 130	3	20
1,3,5-Trimethylbenzene			4.00	3.96		ug/L		99	70 - 130	6	20
1,3-Dichlorobenzene			4.00	3.97		ug/L		99	70 - 130	4	20
1,3-Dichloropropane			4.00	3.80		ug/L		95	70 - 130	3	20
1,4-Dichlorobenzene			4.00	4.01		ug/L		100	70 - 130	5	20
2,2-Dichloropropane			4.00	3.55		ug/L		89	70 - 130	5	20
2-Butanone (MEK)			20.0	18.8		ug/L		94	70 - 130	0	20
2-Chlorotoluene			4.00	3.99		ug/L		100	70 - 130	6	20
2-Hexanone			20.0	18.3		ug/L		91	70 - 130	0	20
4-Chlorotoluene			4.00	4.01		ug/L		100	70 - 130	6	20
4-Isopropyltoluene			4.00	3.85		ug/L		96	70 - 130	6	20
4-Methyl-2-pentanone (MIBK)			20.0	17.7		ug/L		88	70 - 130	1	20
Acetone			20.0	20.6		ug/L		103	70 - 130	3	20
Benzene			4.00	3.98		ug/L		100	70 - 130	1	20
Bromobenzene			4.00	4.19		ug/L		105	70 - 130	5	20
Bromochloromethane			4.00	3.99		ug/L		100	70 - 130	1	20
Bromoform			4.00	3.92		ug/L		98	70 - 130	2	20
Bromomethane			4.00	4.30		ug/L		107	70 - 130	9	20
Carbon disulfide			4.00	3.83		ug/L		96	70 - 130	2	20
Carbon tetrachloride			4.00	3.90		ug/L		98	70 - 130	4	20
Chlorobenzene			4.00	3.86		ug/L		97	70 - 130	2	20
Chlorodibromomethane			4.00	3.80		ug/L		95	70 - 130	3	20
Chloroethane			4.00	3.77		ug/L		94	70 - 130	0	20

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-376510/6
Matrix: Water
Analysis Batch: 376510

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
Chloroform			4.00	3.85		ug/L		96	70 - 130	3	20
Chloromethane			4.00	4.20		ug/L		105	70 - 130	2	20
cis-1,2-Dichloroethene			4.00	3.75		ug/L		94	70 - 130	2	20
cis-1,3-Dichloropropene			4.00	3.85		ug/L		96	70 - 130	1	20
Dibromomethane			4.00	3.73		ug/L		93	70 - 130	1	20
Dichlorobromomethane			4.00	3.73		ug/L		93	70 - 130	0	20
Dichlorodifluoromethane			4.00	4.27		ug/L		107	70 - 130	2	20
Ethylbenzene			4.00	3.77		ug/L		94	70 - 130	3	20
Hexachlorobutadiene			4.00	3.81		ug/L		95	70 - 130	6	20
Isopropylbenzene			4.00	3.81		ug/L		95	70 - 130	5	20
Methyl tert-butyl ether			4.00	3.84		ug/L		96	70 - 130	2	20
Methylene Chloride			4.00	4.15		ug/L		104	70 - 130	4	20
Naphthalene			4.00	3.55		ug/L		89	70 - 130	3	20
n-Butylbenzene			4.00	3.74		ug/L		93	70 - 130	5	20
N-Propylbenzene			4.00	4.00		ug/L		100	70 - 130	6	20
sec-Butylbenzene			4.00	3.85		ug/L		96	70 - 130	5	20
Styrene			4.00	3.74		ug/L		93	70 - 130	2	20
tert-Butylbenzene			4.00	3.96		ug/L		99	70 - 130	6	20
Tetrachloroethene			4.00	4.03		ug/L		101	70 - 130	4	20
Toluene			4.00	3.71		ug/L		93	70 - 130	0	20
trans-1,2-Dichloroethene			4.00	3.87		ug/L		97	70 - 130	5	20
trans-1,3-Dichloropropene			4.00	3.78		ug/L		95	70 - 130	3	20
Trichloroethene			4.00	4.03		ug/L		101	70 - 130	4	20
Trichlorofluoromethane			4.00	4.28		ug/L		107	70 - 130	3	20
Vinyl chloride			4.00	4.19		ug/L		105	70 - 130	3	20
Xylenes, Total			8.00	7.64		ug/L		96	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LLCS 480-376510/7
Matrix: Water
Analysis Batch: 376510

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1,2-Tetrachloroethane			0.500	0.505		ug/L		101	50 - 150		
1,1,1-Trichloroethane			0.500	0.516		ug/L		103	50 - 150		
1,1,2,2-Tetrachloroethane			0.500	0.506		ug/L		101	50 - 150		
1,1,2-Trichloroethane			0.500	0.528		ug/L		106	50 - 150		
1,1-Dichloroethane			0.500	0.541		ug/L		108	50 - 150		
1,1-Dichloroethene			0.500	0.516		ug/L		103	50 - 150		
1,1-Dichloropropene			0.500	0.583		ug/L		117	50 - 150		
1,2,3-Trichlorobenzene			0.500	0.500		ug/L		100	50 - 150		
1,2,3-Trichloropropane			0.500	0.557		ug/L		111	50 - 150		
1,2,4-Trichlorobenzene			0.500	0.476	J	ug/L		95	50 - 150		
1,2,4-Trimethylbenzene			0.500	0.503		ug/L		101	50 - 150		
1,2-Dichlorobenzene			0.500	0.544		ug/L		109	50 - 150		

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-376510/7
Matrix: Water
Analysis Batch: 376510

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.500	0.548		ug/L		110	50 - 150
1,2-Dichloropropane	0.500	0.521		ug/L		104	50 - 150
1,3,5-Trimethylbenzene	0.500	0.501		ug/L		100	50 - 150
1,3-Dichlorobenzene	0.500	0.539		ug/L		108	50 - 150
1,3-Dichloropropane	0.500	0.510		ug/L		102	50 - 150
1,4-Dichlorobenzene	0.500	0.534		ug/L		107	50 - 150
2,2-Dichloropropane	0.500	0.477	J	ug/L		95	50 - 150
2-Butanone (MEK)	2.50	<5.0		ug/L		118	50 - 150
2-Chlorotoluene	0.500	0.561		ug/L		112	50 - 150
2-Hexanone	2.50	<5.0		ug/L		106	50 - 150
4-Chlorotoluene	0.500	0.544		ug/L		109	50 - 150
4-Isopropyltoluene	0.500	0.508		ug/L		102	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	<5.0		ug/L		106	50 - 150
Acetone	2.50	<5.0		ug/L		133	50 - 150
Benzene	0.500	0.555		ug/L		111	50 - 150
Bromobenzene	0.500	0.535		ug/L		107	50 - 150
Bromochloromethane	0.500	0.550		ug/L		110	50 - 150
Bromoform	0.500	0.492	J	ug/L		98	50 - 150
Bromomethane	0.500	0.433	J	ug/L		87	50 - 150
Carbon disulfide	0.500	0.558		ug/L		112	50 - 150
Carbon tetrachloride	0.500	0.534		ug/L		107	50 - 150
Chlorobenzene	0.500	0.535		ug/L		107	50 - 150
Chlorodibromomethane	0.500	0.485	J	ug/L		97	50 - 150
Chloroethane	0.500	0.505		ug/L		101	50 - 150
Chloroform	0.500	0.585		ug/L		117	50 - 150
Chloromethane	0.500	0.583		ug/L		117	50 - 150
cis-1,2-Dichloroethene	0.500	0.531		ug/L		106	50 - 150
cis-1,3-Dichloropropene	0.500	0.507		ug/L		101	50 - 150
Dibromomethane	0.500	0.502		ug/L		100	50 - 150
Dichlorobromomethane	0.500	0.513		ug/L		103	50 - 150
Dichlorodifluoromethane	0.500	0.511		ug/L		102	50 - 150
Ethylbenzene	0.500	0.518		ug/L		104	50 - 150
Hexachlorobutadiene	0.500	0.508		ug/L		102	50 - 150
Isopropylbenzene	0.500	0.508		ug/L		102	50 - 150
Methyl tert-butyl ether	0.500	0.520		ug/L		104	50 - 150
Methylene Chloride	0.500	<0.99	*	ug/L		195	50 - 150
Naphthalene	0.500	0.504		ug/L		101	50 - 150
n-Butylbenzene	0.500	0.491	J	ug/L		98	50 - 150
N-Propylbenzene	0.500	0.545		ug/L		109	50 - 150
sec-Butylbenzene	0.500	0.489	J	ug/L		98	50 - 150
Styrene	0.500	0.518		ug/L		104	50 - 150
tert-Butylbenzene	0.500	0.502		ug/L		100	50 - 150
Tetrachloroethene	0.500	0.534		ug/L		107	50 - 150
Toluene	0.500	0.557		ug/L		111	50 - 150
trans-1,2-Dichloroethene	0.500	0.567		ug/L		113	50 - 150
trans-1,3-Dichloropropene	0.500	0.491	J	ug/L		98	50 - 150
Trichloroethene	0.500	0.552		ug/L		110	50 - 150
Trichlorofluoromethane	0.500	0.496	J	ug/L		99	50 - 150

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-376510/7
Matrix: Water
Analysis Batch: 376510

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	0.500	0.554		ug/L		111	50 - 150
Xylenes, Total	1.00	1.06		ug/L		106	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 500-402055/7
Matrix: Water
Analysis Batch: 402055

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			09/20/17 14:01	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/20/17 14:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/20/17 14:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/20/17 14:01	1
Benzene	<0.15		0.50	0.15	ug/L			09/20/17 14:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/20/17 14:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/20/17 14:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/20/17 14:01	1
Toluene	<0.15		0.50	0.15	ug/L			09/20/17 14:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/20/17 14:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*09/20/17 14:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*09/20/17 14:01*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*09/20/17 14:01*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*09/20/17 14:01*	*1*

Lab Sample ID: LCS 500-402055/5
Matrix: Water
Analysis Batch: 402055

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	43.4		ug/L		87	70 - 123
1,2-Dibromoethane (EDB)	50.0	43.3		ug/L		87	70 - 125
1,2-Dichloroethane	50.0	49.0		ug/L		98	68 - 127
1,3,5-Trimethylbenzene	50.0	45.1		ug/L		90	70 - 123
Benzene	50.0	45.5		ug/L		91	70 - 120
Ethylbenzene	50.0	43.7		ug/L		87	70 - 120
Methyl tert-butyl ether	50.0	42.8		ug/L		86	70 - 120
Naphthalene	50.0	40.2		ug/L		80	59 - 130
Toluene	50.0	47.1		ug/L		94	70 - 125
Xylenes, Total	100	90.8		ug/L		91	70 - 125

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

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

Lab Sample ID: LCS 500-402055/5
Matrix: Water
Analysis Batch: 402055

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*91*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: 500-133876-1 MS
Matrix: Water
Analysis Batch: 402055

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	<0.36		50.0	44.0		ug/L		88	70 - 123
1,2-Dichloroethane	<0.39		50.0	54.0		ug/L		108	68 - 127
1,3,5-Trimethylbenzene	<0.25		50.0	44.9		ug/L		90	70 - 123
Benzene	6.0		50.0	52.4		ug/L		93	70 - 120
Ethylbenzene	<0.18		50.0	43.2		ug/L		86	70 - 120
Methyl tert-butyl ether	<0.39		50.0	44.1		ug/L		88	70 - 120
Naphthalene	<0.34		50.0	42.9		ug/L		86	59 - 130
Toluene	<0.15		50.0	47.3		ug/L		95	70 - 125
Xylenes, Total	<0.22		100	91.6		ug/L		92	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: 500-133876-1 MSD
Matrix: Water
Analysis Batch: 402055

Client Sample ID: MW-1A
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	<0.36		50.0	46.1		ug/L		92	70 - 123	5	20
1,2-Dichloroethane	<0.39		50.0	54.6		ug/L		109	68 - 127	1	20
1,3,5-Trimethylbenzene	<0.25		50.0	47.0		ug/L		94	70 - 123	5	20
Benzene	6.0		50.0	54.2		ug/L		96	70 - 120	3	20
Ethylbenzene	<0.18		50.0	45.3		ug/L		91	70 - 120	5	20
Methyl tert-butyl ether	<0.39		50.0	44.4		ug/L		89	70 - 120	1	20
Naphthalene	<0.34		50.0	42.9		ug/L		86	59 - 130	0	20
Toluene	<0.15		50.0	49.3		ug/L		99	70 - 125	4	20
Xylenes, Total	<0.22		100	94.2		ug/L		94	70 - 125	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

QC Sample Results

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

TestAmerica Job ID: 500-133876-1

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

Lab Sample ID: MB 500-402176/7
Matrix: Water
Analysis Batch: 402176

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			09/21/17 10:40	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/21/17 10:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/21/17 10:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/21/17 10:40	1
Benzene	<0.15		0.50	0.15	ug/L			09/21/17 10:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/21/17 10:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/21/17 10:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/21/17 10:40	1
Toluene	<0.15		0.50	0.15	ug/L			09/21/17 10:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/21/17 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*09/21/17 10:40*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/21/17 10:40*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*09/21/17 10:40*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/21/17 10:40*	*1*

Lab Sample ID: LCS 500-402176/5
Matrix: Water
Analysis Batch: 402176

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	44.1		ug/L		88	70 - 123
1,2-Dibromoethane (EDB)	50.0	46.9		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	47.5		ug/L		95	68 - 127
1,3,5-Trimethylbenzene	50.0	44.9		ug/L		90	70 - 123
Benzene	50.0	43.6		ug/L		87	70 - 120
Ethylbenzene	50.0	45.8		ug/L		92	70 - 120
Methyl tert-butyl ether	50.0	49.2		ug/L		98	70 - 120
Naphthalene	50.0	46.0		ug/L		92	59 - 130
Toluene	50.0	45.0		ug/L		90	70 - 125
Xylenes, Total	100	90.6		ug/L		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Chronicle

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-1A
Date Collected: 09/08/17 12:00
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 14:26	DJD	TAL CHI

Client Sample ID: MW-3
Date Collected: 09/08/17 10:45
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 14:51	DJD	TAL CHI

Client Sample ID: MW-3A
Date Collected: 09/08/17 16:15
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	402055	09/20/17 21:04	DJD	TAL CHI
Total/NA	Analysis	8260B	DL	200	402055	09/20/17 21:28	DJD	TAL CHI

Client Sample ID: MW-4A
Date Collected: 09/08/17 14:30
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	402055	09/20/17 15:15	DJD	TAL CHI

Client Sample ID: MW-4R
Date Collected: 09/08/17 16:00
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	402055	09/20/17 15:41	DJD	TAL CHI
Total/NA	Analysis	8260B	DL	50	402055	09/20/17 16:06	DJD	TAL CHI

Client Sample ID: MW-5
Date Collected: 09/08/17 14:00
Date Received: 09/12/17 10:15

Lab Sample ID: 500-133876-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 16:31	DJD	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-5A
Lab Sample ID: 500-133876-7
Date Collected: 09/08/17 14:15
Matrix: Water
Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	5	402055	09/20/17 16:56	DJD	TAL CHI
Total/NA	Analysis	8260B		1	402176	09/21/17 12:00	PMF	TAL CHI

Client Sample ID: MW-6
Lab Sample ID: 500-133876-8
Date Collected: 09/08/17 11:45
Matrix: Water
Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 17:46	DJD	TAL CHI

Client Sample ID: MW-6A
Lab Sample ID: 500-133876-9
Date Collected: 09/08/17 12:45
Matrix: Water
Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 18:10	DJD	TAL CHI

Client Sample ID: PZ-7
Lab Sample ID: 500-133876-12
Date Collected: 09/08/17 11:30
Matrix: Water
Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 18:35	DJD	TAL CHI

Client Sample ID: MW-9
Lab Sample ID: 500-133876-13
Date Collected: 09/08/17 10:30
Matrix: Water
Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 19:00	DJD	TAL CHI

Client Sample ID: MW-10
Lab Sample ID: 500-133876-14
Date Collected: 09/08/17 16:30
Matrix: Water
Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	402055	09/20/17 19:25	DJD	TAL CHI
Total/NA	Analysis	8260B	DL	50	402055	09/20/17 19:49	DJD	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: MW-E

Lab Sample ID: 500-133876-15

Date Collected: 09/08/17 13:30

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 20:14	DJD	TAL CHI

Client Sample ID: MW-W

Lab Sample ID: 500-133876-16

Date Collected: 09/08/17 13:45

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402055	09/20/17 20:39	DJD	TAL CHI

Client Sample ID: CMW-1

Lab Sample ID: 500-133876-17

Date Collected: 09/08/17 12:20

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402176	09/21/17 11:34	PMF	TAL CHI

Client Sample ID: PW-1

Lab Sample ID: 500-133876-18

Date Collected: 09/08/17 15:15

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	376510	09/13/17 17:52	CDC	TAL BUF

Client Sample ID: PW-4

Lab Sample ID: 500-133876-19

Date Collected: 09/08/17 15:30

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	376510	09/13/17 18:19	CDC	TAL BUF

Client Sample ID: PW-5

Lab Sample ID: 500-133876-20

Date Collected: 09/08/17 15:00

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	376510	09/13/17 18:46	CDC	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 500-133876-1

Client Sample ID: Strey Well

Lab Sample ID: 500-133876-21

Date Collected: 09/08/17 15:45

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	376510	09/13/17 19:12	CDC	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 500-133876-22

Date Collected: 09/08/17 00:00

Matrix: Water

Date Received: 09/12/17 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	402176	09/21/17 11:07	PMF	TAL CHI

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Accreditation/Certification Summary

Client: American Engineering Testing Inc.

TestAmerica Job ID: 500-133876-1

Project/Site: Darri Concepts - 03-05510

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	08-31-18

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998310390	08-31-18

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

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

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

Chain of Custody Record

Lab Job #: 500-133876
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 5.4

Client: AET
Client Project #: 03-05510
Project Name: Dairi Concepts
Project Location/State: Chilli, WI
Lab Project #:
Sampler: Michael K. Neal
Lab PM: Sandra F.

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Preservative	Parameter: PVOC + 1,2DCA + naphthalene	Parameter: DVOC + 1,2DCA + naphthalene + EDB	Comments
1		MW-1A	9-8-17	12:00	3	W	1	1	X		
2		MW-3		10:45	3	W			X		
3		MW-3A		16:15	3	W				X	
4		MW-4A		14:30	3	W			X		
5		MW-4R		16:00	3	W			X		
6		MW-5		14:00	3	W			X		
7		MW-5A		14:15	3	W			X		
8		MW-6		11:45	3	W			X		
9		MW-6A		12:45	3	W			X		
10		MW-7		11:00	3	W			X		

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 [Y] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	AET	9-11-17	14:30	Fed Ex			
				[signature]	TA	09/12/17	1015

Lab Courier:
Shipped:
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:
500-133876 COC

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

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

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

Chain of Custody Record

Lab Job #: 500-133876
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler: 5.4

Client: AET
Client Project #: 03-05510
Project Name: Darri Concepts
Project Location/State: Chili, WI
Lab Project #:
Sampler: Michael K. Neal
Lab PM: Sandra F.

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: PVOC + 12 DCA + Naphthalene	Parameter: VOCs 502 v1.2	Comments
11		MW-7A	9-8-17	13:00	3	W	1			
12		P2-7		11:30	3	W	X			
13		MW-9		10:30	3	W	X			
14		MW-10		16:30	3	W	X			
15		MW-E		13:30	3	W	X			
16		MW-W		13:45	3	W	X			
17		CMW-1		12:30	3	W	X			
18		PW-1		15:15	3	DW			X	
19		PW-4		15:30	3	DW			X	
~~20~~										

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 [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	AET	9-11-17	14:30	FedEx			
				[signature]	TA	09/12/17	1015

Lab Courier
Shipped
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:

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

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

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

Lab Job #: 500-133876
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler: 5.4

Client: AET
Client Project #: 03-05510
Project Name: Dairi Concepts
Project Location/State: Chili, WI
Lab Project #:
Sampler: Michael K. Neal
Lab PM: Sandra F.

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs 524.2	Parameter: pwsc + Naphthalene	Comments
20		PW-5	9-8-17	15:00	3	DW	1	X		
21		Strey Well	"	15:45	3	DW		X		
22		trip Blank	"	—	1	W			X	

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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	AET	9-11-17	14:30	[signature]			
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
				[signature]	TA	09/12/17	1015
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped:
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:

TAL-4124-500 (1209)

500-133876 Waybill

ORIGIN ID:JOTA (708) 534-5200
MICHAEL NEAL
AMERICAN ENGINEERING TESTING INC.
1837 CTY HWY 00

CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 15AUG17
ACTWGT: 25.00 LB MAN
CAD: 33264/CAFE3107

TO SAMPLE LOGIN
TESTAMERICA LABS
2417 BOND ST

UNIVERSITY PARK IL 60466
(708) 534-5200 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

FedEx
TRK# 0221 6514 8437 9698

TUE - 12 SEP 10:30A
PRIORITY OVERNIGHT

NA JOTA

60466
IL-US ORD

#208109 09/11 549J1/FF19/104C

RT 519 5 A
ST 17 10:30
9698
09.12

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie J	Carrier Tracking No(s):	COC No: 500-93051.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-133876-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 9/22/2017			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Darri Concepts - 03-05510	Project #: 50007204			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2_Preserved/ Standard Analyte list	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PW-1 (500-133876-18)	9/8/17	15:15 Central		Water			X	2	
PW-4 (500-133876-19)	9/8/17	15:30 Central		Water			X	2	
PW-5 (500-133876-20)	9/8/17	15:00 Central		Water			X	3	
Strey Well (500-133876-21)	9/8/17	15:45 Central		Water			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/tests/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 complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	09/12/17 @ 1600	TA	[signature]	9/13/17 1000	TA Buf.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
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: #1 4.2°

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-133876-1

Login Number: 133876 **List Source: TestAmerica Chicago**
List Number: 1
Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	5.4c
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	Refer to Job Narrative for details.
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 <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: 500-133876-1

Login Number: 133876 **List Source: TestAmerica Buffalo**
List Number: 2 **List Creation: 09/13/17 04:39 PM**
Creator: Hulbert, Michael J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	4.2 #1
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual 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: 500-138118-1
Client Project/Site: Dairi Concepts - 03-05510

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

Attn: Mr. Michael Neal

Sandie Fredrick

Authorized for release by:
12/19/2017 4:13:14 PM

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

REVIEWED
By mneal at 7:35 am, Dec 20, 2017

Table of Contents

Case Narrative

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

TestAmerica Job ID: 500-138118-1

Job ID: 500-138118-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-138118-1

Comments
No additional comments.

Receipt
The samples were received on 12/5/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3A (500-138118-2), MW-4R (500-138118-3), MW-5A (500-138118-5) and MW-10 (500-138118-7). 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.

Detection Summary

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-1A — Lab Sample ID: 500-138118-1

No Detections.

Client Sample ID: MW-3A — Lab Sample ID: 500-138118-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1700		10	2.9	ug/L	20		8260B	Total/NA
Naphthalene	1700		20	6.7	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	8100		200	72	ug/L	200		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	2800		200	51	ug/L	200		8260B	Total/NA
Ethylbenzene - DL	3600		100	37	ug/L	200		8260B	Total/NA
Toluene - DL	11000		100	30	ug/L	200		8260B	Total/NA
Xylenes, Total - DL	17000		200	44	ug/L	200		8260B	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 500-138118-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1300		10	3.6	ug/L	10		8260B	Total/NA
1,2-Dichloroethane	22		10	3.9	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	380		10	2.5	ug/L	10		8260B	Total/NA
Benzene	450		5.0	1.5	ug/L	10		8260B	Total/NA
Ethylbenzene	1200		5.0	1.8	ug/L	10		8260B	Total/NA
Naphthalene	320		10	3.4	ug/L	10		8260B	Total/NA
Toluene	1700		5.0	1.5	ug/L	10		8260B	Total/NA
Xylenes, Total	4300		100	22	ug/L	100		8260B	Total/NA

Client Sample ID: MW-4A — Lab Sample ID: 500-138118-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	22		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	4.0		1.0	0.25	ug/L	1		8260B	Total/NA
Benzene	180		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	66		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	12		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	5.9		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	57		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5A — Lab Sample ID: 500-138118-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	250		2.0	0.51	ug/L	2		8260B	Total/NA
Benzene	46		1.0	0.29	ug/L	2		8260B	Total/NA
Naphthalene	200		2.0	0.67	ug/L	2		8260B	Total/NA
Toluene	84		1.0	0.30	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	690		20	7.2	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	470		10	3.7	ug/L	20		8260B	Total/NA
Xylenes, Total - DL	920		20	4.4	ug/L	20		8260B	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 500-138118-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.73	J	1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	0.58	J	1.0	0.34	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: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-7 (Continued) — Lab Sample ID: 500-138118-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 500-138118-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	890		10	2.5	ug/L	10		8260B	Total/NA
Benzene	210		5.0	1.5	ug/L	10		8260B	Total/NA
Ethylbenzene	1200		5.0	1.8	ug/L	10		8260B	Total/NA
Naphthalene	540		10	3.4	ug/L	10		8260B	Total/NA
Toluene	1000		5.0	1.5	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	2300		100	36	ug/L	100		8260B	Total/NA
Xylenes, Total - DL	3600		100	22	ug/L	100		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-138118-8

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: 500-138118-1

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: 500-138118-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-138118-1	MW-1A	Water	12/04/17 10:15	12/05/17 09:30
500-138118-2	MW-3A	Water	12/04/17 12:00	12/05/17 09:30
500-138118-3	MW-4R	Water	12/04/17 11:45	12/05/17 09:30
500-138118-4	MW-4A	Water	12/04/17 11:15	12/05/17 09:30
500-138118-5	MW-5A	Water	12/04/17 10:45	12/05/17 09:30
500-138118-6	MW-7	Water	12/04/17 09:45	12/05/17 09:30
500-138118-7	MW-10	Water	12/04/17 12:30	12/05/17 09:30
500-138118-8	Trip Blank	Water	12/04/17 00:00	12/05/17 09:30

Client Sample Results

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-1A

Lab Sample ID: 500-138118-1

Date Collected: 12/04/17 10:15

Matrix: Water

Date Received: 12/05/17 09:30

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			12/17/17 13:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/17/17 13:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/17/17 13:32	1
Benzene	<0.15		0.50	0.15	ug/L			12/17/17 13:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/17/17 13:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/17/17 13:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/17/17 13:32	1
Toluene	<0.15		0.50	0.15	ug/L			12/17/17 13:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/17/17 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*12/17/17 13:32*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*12/17/17 13:32*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*12/17/17 13:32*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*12/17/17 13:32*	*1*

Client Sample ID: MW-3A

Lab Sample ID: 500-138118-2

Date Collected: 12/04/17 12:00

Matrix: Water

Date Received: 12/05/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<7.8		20	7.8	ug/L			12/18/17 11:36	20
Benzene	**1700**		10	2.9	ug/L			12/18/17 11:36	20
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			12/18/17 11:36	20
Naphthalene	**1700**		20	6.7	ug/L			12/18/17 11:36	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*12/18/17 11:36*	*20*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*12/18/17 11:36*	*20*
Dibromofluoromethane	*95*		*75 - 120*		*12/18/17 11:36*	*20*
Toluene-d8 (Surr)	*107*		*75 - 120*		*12/18/17 11:36*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**8100**		200	72	ug/L			12/17/17 15:30	200
1,3,5-Trimethylbenzene	**2800**		200	51	ug/L			12/17/17 15:30	200
Ethylbenzene	**3600**		100	37	ug/L			12/17/17 15:30	200
Toluene	**11000**		100	30	ug/L			12/17/17 15:30	200
Xylenes, Total	**17000**		200	44	ug/L			12/17/17 15:30	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*12/17/17 15:30*	*200*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*12/17/17 15:30*	*200*
Dibromofluoromethane	*99*		*75 - 120*		*12/17/17 15:30*	*200*
Toluene-d8 (Surr)	*97*		*75 - 120*		*12/17/17 15:30*	*200*

Client Sample Results

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-4R

Lab Sample ID: 500-138118-3

Date Collected: 12/04/17 11:45

Matrix: Water

Date Received: 12/05/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1300**		10	3.6	ug/L			12/17/17 15:56	10
1,2-Dichloroethane	**22**		10	3.9	ug/L			12/17/17 15:56	10
1,3,5-Trimethylbenzene	**380**		10	2.5	ug/L			12/17/17 15:56	10
Benzene	**450**		5.0	1.5	ug/L			12/17/17 15:56	10
Ethylbenzene	**1200**		5.0	1.8	ug/L			12/17/17 15:56	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			12/17/17 15:56	10
Naphthalene	**320**		10	3.4	ug/L			12/17/17 15:56	10
Toluene	**1700**		5.0	1.5	ug/L			12/17/17 15:56	10
Xylenes, Total	**4300**		100	22	ug/L			12/17/17 16:24	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*12/17/17 15:56*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*12/17/17 16:24*	*100*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*12/17/17 15:56*	*10*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*12/17/17 16:24*	*100*
Dibromofluoromethane	*99*		*75 - 120*		*12/17/17 15:56*	*10*
Dibromofluoromethane	*99*		*75 - 120*		*12/17/17 16:24*	*100*
Toluene-d8 (Surr)	*100*		*75 - 120*		*12/17/17 15:56*	*10*
Toluene-d8 (Surr)	*96*		*75 - 120*		*12/17/17 16:24*	*100*

Client Sample ID: MW-4A

Lab Sample ID: 500-138118-4

Date Collected: 12/04/17 11:15

Matrix: Water

Date Received: 12/05/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**22**		1.0	0.36	ug/L			12/17/17 16:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/17/17 16:52	1
1,3,5-Trimethylbenzene	**4.0**		1.0	0.25	ug/L			12/17/17 16:52	1
Benzene	**180**		0.50	0.15	ug/L			12/17/17 16:52	1
Ethylbenzene	**66**		0.50	0.18	ug/L			12/17/17 16:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/17/17 16:52	1
Naphthalene	**12**		1.0	0.34	ug/L			12/17/17 16:52	1
Toluene	**5.9**		0.50	0.15	ug/L			12/17/17 16:52	1
Xylenes, Total	**57**		1.0	0.22	ug/L			12/17/17 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*12/17/17 16:52*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*		*12/17/17 16:52*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*12/17/17 16:52*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*12/17/17 16:52*	*1*

Client Sample ID: MW-5A

Lab Sample ID: 500-138118-5

Date Collected: 12/04/17 10:45

Matrix: Water

Date Received: 12/05/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			12/17/17 17:19	2
1,3,5-Trimethylbenzene	**250**		2.0	0.51	ug/L			12/17/17 17:19	2

Client Sample Results

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-5A

Lab Sample ID: 500-138118-5

Date Collected: 12/04/17 10:45

Matrix: Water

Date Received: 12/05/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**46**		1.0	0.29	ug/L			12/17/17 17:19	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			12/17/17 17:19	2
Naphthalene	**200**		2.0	0.67	ug/L			12/17/17 17:19	2
Toluene	**84**		1.0	0.30	ug/L			12/17/17 17:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*12/17/17 17:19*	*2*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*12/17/17 17:19*	*2*
Dibromofluoromethane	*99*		*75 - 120*		*12/17/17 17:19*	*2*
Toluene-d8 (Surr)	*98*		*75 - 120*		*12/17/17 17:19*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**690**		20	7.2	ug/L			12/17/17 17:46	20
Ethylbenzene	**470**		10	3.7	ug/L			12/17/17 17:46	20
Xylenes, Total	**920**		20	4.4	ug/L			12/17/17 17:46	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*12/17/17 17:46*	*20*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*12/17/17 17:46*	*20*
Dibromofluoromethane	*97*		*75 - 120*		*12/17/17 17:46*	*20*
Toluene-d8 (Surr)	*97*		*75 - 120*		*12/17/17 17:46*	*20*

Client Sample ID: MW-7

Lab Sample ID: 500-138118-6

Date Collected: 12/04/17 09:45

Matrix: Water

Date Received: 12/05/17 09:30

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			12/17/17 18:12	1
1,2-Dichloroethane	**0.73**	**J**	1.0	0.39	ug/L			12/17/17 18:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/17/17 18:12	1
Benzene	<0.15		0.50	0.15	ug/L			12/17/17 18:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/17/17 18:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/17/17 18:12	1
Naphthalene	**0.58**	**J**	1.0	0.34	ug/L			12/17/17 18:12	1
Toluene	**0.17**	**J**	0.50	0.15	ug/L			12/17/17 18:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/17/17 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*12/17/17 18:12*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*12/17/17 18:12*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*12/17/17 18:12*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*12/17/17 18:12*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-10

Lab Sample ID: 500-138118-7

Date Collected: 12/04/17 12:30

Matrix: Water

Date Received: 12/05/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<3.9		10	3.9	ug/L			12/18/17 14:35	10
1,3,5-Trimethylbenzene	**890**		10	2.5	ug/L			12/18/17 14:35	10
Benzene	**210**		5.0	1.5	ug/L			12/18/17 14:35	10
Ethylbenzene	**1200**		5.0	1.8	ug/L			12/18/17 14:35	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			12/18/17 14:35	10
Naphthalene	**540**		10	3.4	ug/L			12/18/17 14:35	10
Toluene	**1000**		5.0	1.5	ug/L			12/18/17 14:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*12/18/17 14:35*	*10*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*12/18/17 14:35*	*10*
Dibromofluoromethane	*96*		*75 - 120*		*12/18/17 14:35*	*10*
Toluene-d8 (Surr)	*98*		*75 - 120*		*12/18/17 14:35*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**2300**		100	36	ug/L			12/18/17 12:06	100
Xylenes, Total	**3600**		100	22	ug/L			12/18/17 12:06	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*12/18/17 12:06*	*100*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*12/18/17 12:06*	*100*
Dibromofluoromethane	*97*		*75 - 120*		*12/18/17 12:06*	*100*
Toluene-d8 (Surr)	*96*		*75 - 120*		*12/18/17 12:06*	*100*

Client Sample ID: Trip Blank

Lab Sample ID: 500-138118-8

Date Collected: 12/04/17 00:00

Matrix: Water

Date Received: 12/05/17 09:30

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			12/17/17 12:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/17/17 12:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/17/17 12:39	1
Benzene	<0.15		0.50	0.15	ug/L			12/17/17 12:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/17/17 12:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/17/17 12:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/17/17 12:39	1
Toluene	<0.15		0.50	0.15	ug/L			12/17/17 12:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/17/17 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*12/17/17 12:39*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*12/17/17 12:39*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*12/17/17 12:39*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*12/17/17 12:39*	*1*

Definitions/Glossary

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

TestAmerica Job ID: 500-138118-1

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.
¤	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: 500-138118-1

GC/MS VOA

Analysis Batch: 414119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-138118-1	MW-1A	Total/NA	Water	8260B	
500-138118-2 - DL	MW-3A	Total/NA	Water	8260B	
500-138118-3	MW-4R	Total/NA	Water	8260B	
500-138118-3	MW-4R	Total/NA	Water	8260B	
500-138118-4	MW-4A	Total/NA	Water	8260B	
500-138118-5	MW-5A	Total/NA	Water	8260B	
500-138118-5 - DL	MW-5A	Total/NA	Water	8260B	
500-138118-6	MW-7	Total/NA	Water	8260B	
500-138118-8	Trip Blank	Total/NA	Water	8260B	
MB 500-414119/8	Method Blank	Total/NA	Water	8260B	
LCS 500-414119/6	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 414165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-138118-2	MW-3A	Total/NA	Water	8260B	
500-138118-7 - DL	MW-10	Total/NA	Water	8260B	
500-138118-7	MW-10	Total/NA	Water	8260B	
MB 500-414165/7	Method Blank	Total/NA	Water	8260B	
LCS 500-414165/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

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

TestAmerica Job ID: 500-138118-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-138118-1	MW-1A	97	87	99	97
500-138118-2 - DL	MW-3A	97	89	99	97
500-138118-2	MW-3A	102	93	95	107
500-138118-3	MW-4R	100	89	99	100
500-138118-3	MW-4R	97	88	99	96
500-138118-4	MW-4A	97	86	97	99
500-138118-5	MW-5A	100	88	99	98
500-138118-5 - DL	MW-5A	96	90	97	97
500-138118-6	MW-7	97	87	98	97
500-138118-7 - DL	MW-10	100	92	97	96
500-138118-7	MW-10	100	89	96	98
500-138118-8	Trip Blank	94	87	98	98
LCS 500-414119/6	Lab Control Sample	91	86	98	95
LCS 500-414165/5	Lab Control Sample	104	90	98	96
MB 500-414119/8	Method Blank	94	88	96	95
MB 500-414165/7	Method Blank	101	94	98	98

Surrogate Legend

DCA = 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: 500-138118-1

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

Lab Sample ID: MB 500-414119/8
Matrix: Water
Analysis Batch: 414119

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			12/17/17 10:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/17/17 10:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/17/17 10:27	1
Benzene	<0.15		0.50	0.15	ug/L			12/17/17 10:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/17/17 10:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/17/17 10:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/17/17 10:27	1
Toluene	<0.15		0.50	0.15	ug/L			12/17/17 10:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/17/17 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*12/17/17 10:27*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*12/17/17 10:27*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*12/17/17 10:27*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*12/17/17 10:27*	*1*

Lab Sample ID: LCS 500-414119/6
Matrix: Water
Analysis Batch: 414119

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	46.9		ug/L		94	70 - 123
1,2-Dichloroethane	50.0	43.6		ug/L		87	68 - 127
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
Benzene	50.0	45.9		ug/L		92	70 - 120
Ethylbenzene	50.0	47.9		ug/L		96	70 - 120
Methyl tert-butyl ether	50.0	43.7		ug/L		87	70 - 120
Naphthalene	50.0	43.4		ug/L		87	59 - 130
Toluene	50.0	40.9		ug/L		82	70 - 125
Xylenes, Total	100	86.7		ug/L		87	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: MB 500-414165/7
Matrix: Water
Analysis Batch: 414165

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			12/18/17 10:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/18/17 10:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/18/17 10:35	1
Benzene	<0.15		0.50	0.15	ug/L			12/18/17 10:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/18/17 10:35	1

QC Sample Results

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

TestAmerica Job ID: 500-138118-1

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

Lab Sample ID: MB 500-414165/7
Matrix: Water
Analysis Batch: 414165

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/18/17 10:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/18/17 10:35	1
Toluene	<0.15		0.50	0.15	ug/L			12/18/17 10:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/18/17 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*12/18/17 10:35*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*12/18/17 10:35*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*12/18/17 10:35*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*12/18/17 10:35*	*1*

Lab Sample ID: LCS 500-414165/5
Matrix: Water
Analysis Batch: 414165

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	47.8		ug/L		96	70 - 123
1,2-Dichloroethane	50.0	51.5		ug/L		103	68 - 127
1,3,5-Trimethylbenzene	50.0	47.0		ug/L		94	70 - 123
Benzene	50.0	47.4		ug/L		95	70 - 120
Ethylbenzene	50.0	49.3		ug/L		99	70 - 120
Methyl tert-butyl ether	50.0	50.1		ug/L		100	70 - 120
Naphthalene	50.0	48.1		ug/L		96	59 - 130
Toluene	50.0	48.1		ug/L		96	70 - 125
Xylenes, Total	100	95.9		ug/L		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Chronicle

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-1A
Date Collected: 12/04/17 10:15
Date Received: 12/05/17 09:30

Lab Sample ID: 500-138118-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	414119	12/17/17 13:32	JDD	TAL CHI

Client Sample ID: MW-3A
Date Collected: 12/04/17 12:00
Date Received: 12/05/17 09:30

Lab Sample ID: 500-138118-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	200	414119	12/17/17 15:30	JDD	TAL CHI
Total/NA	Analysis	8260B		20	414165	12/18/17 11:36	PMF	TAL CHI

Client Sample ID: MW-4R
Date Collected: 12/04/17 11:45
Date Received: 12/05/17 09:30

Lab Sample ID: 500-138118-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	414119	12/17/17 15:56	JDD	TAL CHI
Total/NA	Analysis	8260B		100	414119	12/17/17 16:24	JDD	TAL CHI

Client Sample ID: MW-4A
Date Collected: 12/04/17 11:15
Date Received: 12/05/17 09:30

Lab Sample ID: 500-138118-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	414119	12/17/17 16:52	JDD	TAL CHI

Client Sample ID: MW-5A
Date Collected: 12/04/17 10:45
Date Received: 12/05/17 09:30

Lab Sample ID: 500-138118-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	414119	12/17/17 17:19	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	20	414119	12/17/17 17:46	JDD	TAL CHI

Client Sample ID: MW-7
Date Collected: 12/04/17 09:45
Date Received: 12/05/17 09:30

Lab Sample ID: 500-138118-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	414119	12/17/17 18:12	JDD	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-138118-1

Client Sample ID: MW-10

Lab Sample ID: 500-138118-7

Date Collected: 12/04/17 12:30

Matrix: Water

Date Received: 12/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	100	414165	12/18/17 12:06	PMF	TAL CHI
Total/NA	Analysis	8260B		10	414165	12/18/17 14:35	PMF	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-138118-8

Date Collected: 12/04/17 00:00

Matrix: Water

Date Received: 12/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	414119	12/17/17 12:39	JDD	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: American Engineering Testing Inc.
TestAmerica Job ID: 500-138118-1
Project/Site: Dairi Concepts - 03-05510

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	08-31-18

AET Project No. 03-05510

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

500-138118 COC

Report To (optional)	Bill To (optional)
Contact:	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference# 18174003

Chain of Custody Record

Lab Job #: 500-138118

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 1.8 → 3.3

Client: AET

Client Project #: 03-05510

Project Name: Dairi Concepts

Project Location/State: Chili, WI

Lab Project #:

Sampler: Michael K. Neal

Lab PM: Sandie F.

Preservative: 1

Parameter: PVOC + 12DCA + Naphthalene

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PVOC + 12DCA + Naphthalene	Comments
1		MW-1A	12-4-17	10:15	3	W	X	
2		MW-3A		12:00	3	W	X	
3		MW-4R		11:45	3	W	X	
4		MW-4A		11:15	3	W	X	
5		MW-5A		10:45	3	W	X	
6		MW-7		9:45	3	W	X	
7		MW-10		12:30	3	W	X	
8		Trip Blank		—	1	W	X	

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 [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	AET	12-4-17	14:30	Fed X			
Relinquished By	Company	Date	Time	[signature]	TA-CHI	12/5/17	0930
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: Fed X
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 site

Lab Comments:

TAL-0015 12/19/2017

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-138118-1

Login Number: 138118 **List Source: TestAmerica Chicago**
List Number: 1
Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	3.3
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 <6mm (1/4").	False	
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

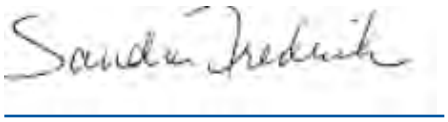
ANALYTICAL REPORT

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

TestAmerica Job ID: 500-144828-1
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:
5/17/2018 12:52:58 PM

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APPROVED
By mneal at 1:34 pm, May 17, 2018

Table of Contents

Case Narrative

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

TestAmerica Job ID: 500-144828-1

Job ID: 500-144828-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-144828-1

Comments
No additional comments.

Receipt
The samples were received on 5/3/2018 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC/MS VOA
Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3A (500-144828-3) and MW-4R (500-144828-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of non-target analytes: MW-4A (500-144828-4) and MW-10 (500-144828-14). 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.

Detection Summary

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-1A — Lab Sample ID: 500-144828-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	3.3		1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	2.5		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 500-144828-2

No Detections.

Client Sample ID: MW-3A — Lab Sample ID: 500-144828-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3500		20	7.2	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	1100		20	5.1	ug/L	20		8260B	Total/NA
Benzene	2900		10	2.9	ug/L	20		8260B	Total/NA
Ethylbenzene	2600		10	3.7	ug/L	20		8260B	Total/NA
Naphthalene	750		20	6.7	ug/L	20		8260B	Total/NA
Toluene - DL	18000		100	30	ug/L	200		8260B	Total/NA
Xylenes, Total - DL	16000		200	44	ug/L	200		8260B	Total/NA

Client Sample ID: MW-4A — Lab Sample ID: 500-144828-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	7.7		2.0	0.72	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	11		2.0	0.51	ug/L	2		8260B	Total/NA
Benzene	21		1.0	0.29	ug/L	2		8260B	Total/NA
Ethylbenzene	16		1.0	0.37	ug/L	2		8260B	Total/NA
Naphthalene	2.5		2.0	0.67	ug/L	2		8260B	Total/NA
Toluene	6.9		1.0	0.30	ug/L	2		8260B	Total/NA
Xylenes, Total	30		2.0	0.44	ug/L	2		8260B	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 500-144828-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	350		2.0	0.51	ug/L	2		8260B	Total/NA
Benzene	350		1.0	0.29	ug/L	2		8260B	Total/NA
Naphthalene	340		2.0	0.67	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1500		20	7.2	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	1200		10	3.7	ug/L	20		8260B	Total/NA
Toluene - DL	1300		10	3.0	ug/L	20		8260B	Total/NA
Xylenes, Total - DL	4600		20	4.4	ug/L	20		8260B	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 500-144828-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.72	J	1.0	0.36	ug/L	1		8260B	Total/NA
Benzene	2.8		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	0.36	J	0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	1.4		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.42	J	0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	1.7		1.0	0.22	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: Dairi Concepts - 03-05510

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-5A — Lab Sample ID: 500-144828-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	150		1.0	0.25	ug/L	1		8260B	Total/NA
Benzene	5.6		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	140		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	65		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	11		0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	410		10	3.6	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	320		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-144828-8

No Detections.

Client Sample ID: MW-6A — Lab Sample ID: 500-144828-9

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 500-144828-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.7		1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	4.8		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-7A — Lab Sample ID: 500-144828-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.56	J	1.0	0.36	ug/L	1		8260B	Total/NA
Toluene	0.66		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	0.64	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: PZ-7 — Lab Sample ID: 500-144828-12

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 500-144828-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.50	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 500-144828-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2900		20	7.2	ug/L	20		8260B	Total/NA
1,2-Dichloroethane	21		20	7.8	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	880		20	5.1	ug/L	20		8260B	Total/NA
Benzene	100		10	2.9	ug/L	20		8260B	Total/NA
Ethylbenzene	1400		10	3.7	ug/L	20		8260B	Total/NA
Naphthalene	530		20	6.7	ug/L	20		8260B	Total/NA
Toluene	1000		10	3.0	ug/L	20		8260B	Total/NA
Xylenes, Total	4500		20	4.4	ug/L	20		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-E — Lab Sample ID: 500-144828-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.2		1.0	0.34	ug/L	1		8260B	Total/NA

Client Sample ID: MW-W — Lab Sample ID: 500-144828-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.0		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	0.57	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: CMW-1 — Lab Sample ID: 500-144828-17

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-144828-18

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: 500-144828-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	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: 500-144828-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-144828-1	MW-1A	Water	04/30/18 11:30	05/03/18 09:10
500-144828-2	MW-3	Water	04/30/18 10:30	05/03/18 09:10
500-144828-3	MW-3A	Water	04/30/18 14:45	05/03/18 09:10
500-144828-4	MW-4A	Water	04/30/18 14:15	05/03/18 09:10
500-144828-5	MW-4R	Water	04/30/18 14:30	05/03/18 09:10
500-144828-6	MW-5	Water	04/30/18 13:45	05/03/18 09:10
500-144828-7	MW-5A	Water	04/30/18 14:00	05/03/18 09:10
500-144828-8	MW-6	Water	04/30/18 10:15	05/03/18 09:10
500-144828-9	MW-6A	Water	04/30/18 12:15	05/03/18 09:10
500-144828-10	MW-7	Water	04/30/18 11:15	05/03/18 09:10
500-144828-11	MW-7A	Water	04/30/18 00:00	05/03/18 09:10
500-144828-12	PZ-7	Water	04/30/18 11:15	05/03/18 09:10
500-144828-13	MW-9	Water	04/30/18 11:00	05/03/18 09:10
500-144828-14	MW-10	Water	04/30/18 15:00	05/03/18 09:10
500-144828-15	MW-E	Water	04/30/18 13:00	05/03/18 09:10
500-144828-16	MW-W	Water	04/30/18 13:15	05/03/18 09:10
500-144828-17	CMW-1	Water	04/30/18 12:00	05/03/18 09:10
500-144828-18	Trip Blank	Water	04/30/18 00:00	05/03/18 09:10

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-1A

Lab Sample ID: 500-144828-1

Date Collected: 04/30/18 11:30

Matrix: Water

Date Received: 05/03/18 09:10

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			05/10/18 17:40	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/10/18 17:40	1
1,2-Dichloroethane	**3.3**		1.0	0.39	ug/L			05/10/18 17:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/10/18 17:40	1
Benzene	**2.5**		0.50	0.15	ug/L			05/10/18 17:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/10/18 17:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/10/18 17:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/10/18 17:40	1
Toluene	<0.15		0.50	0.15	ug/L			05/10/18 17:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/10/18 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*05/10/18 17:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/10/18 17:40*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/10/18 17:40*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/10/18 17:40*	*1*

Client Sample ID: MW-3

Lab Sample ID: 500-144828-2

Date Collected: 04/30/18 10:30

Matrix: Water

Date Received: 05/03/18 09:10

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			05/10/18 18:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/10/18 18:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/10/18 18:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/10/18 18:07	1
Benzene	<0.15		0.50	0.15	ug/L			05/10/18 18:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/10/18 18:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/10/18 18:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/10/18 18:07	1
Toluene	<0.15		0.50	0.15	ug/L			05/10/18 18:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/10/18 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*05/10/18 18:07*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*05/10/18 18:07*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/10/18 18:07*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/10/18 18:07*	*1*

Client Sample ID: MW-3A

Lab Sample ID: 500-144828-3

Date Collected: 04/30/18 14:45

Matrix: Water

Date Received: 05/03/18 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**3500**		20	7.2	ug/L			05/10/18 23:11	20
1,2-Dibromoethane (EDB)	<7.7		20	7.7	ug/L			05/10/18 23:11	20
1,2-Dichloroethane	<7.8		20	7.8	ug/L			05/10/18 23:11	20
1,3,5-Trimethylbenzene	**1100**		20	5.1	ug/L			05/10/18 23:11	20

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-3A

Lab Sample ID: 500-144828-3

Date Collected: 04/30/18 14:45

Matrix: Water

Date Received: 05/03/18 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2900**		10	2.9	ug/L			05/10/18 23:11	20
Ethylbenzene	**2600**		10	3.7	ug/L			05/10/18 23:11	20
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			05/10/18 23:11	20
Naphthalene	**750**		20	6.7	ug/L			05/10/18 23:11	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*05/10/18 23:11*	*20*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*05/10/18 23:11*	*20*
Dibromofluoromethane	*92*		*75 - 120*		*05/10/18 23:11*	*20*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/10/18 23:11*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**18000**		100	30	ug/L			05/10/18 23:38	200
Xylenes, Total	**16000**		200	44	ug/L			05/10/18 23:38	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/10/18 23:38*	*200*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/10/18 23:38*	*200*
Dibromofluoromethane	*96*		*75 - 120*		*05/10/18 23:38*	*200*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/10/18 23:38*	*200*

Client Sample ID: MW-4A

Lab Sample ID: 500-144828-4

Date Collected: 04/30/18 14:15

Matrix: Water

Date Received: 05/03/18 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**7.7**		2.0	0.72	ug/L			05/10/18 18:33	2
1,2-Dibromoethane (EDB)	<0.77		2.0	0.77	ug/L			05/10/18 18:33	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			05/10/18 18:33	2
1,3,5-Trimethylbenzene	**11**		2.0	0.51	ug/L			05/10/18 18:33	2
Benzene	**21**		1.0	0.29	ug/L			05/10/18 18:33	2
Ethylbenzene	**16**		1.0	0.37	ug/L			05/10/18 18:33	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			05/10/18 18:33	2
Naphthalene	**2.5**		2.0	0.67	ug/L			05/10/18 18:33	2
Toluene	**6.9**		1.0	0.30	ug/L			05/10/18 18:33	2
Xylenes, Total	**30**		2.0	0.44	ug/L			05/10/18 18:33	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/10/18 18:33*	*2*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/10/18 18:33*	*2*
Dibromofluoromethane	*92*		*75 - 120*		*05/10/18 18:33*	*2*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/10/18 18:33*	*2*

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-4R

Date Collected: 04/30/18 14:30
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-5

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			05/11/18 00:04	2
1,2-Dichloroethane	<0.78		2.0	0.78	ug/L			05/11/18 00:04	2
1,3,5-Trimethylbenzene	**350**		2.0	0.51	ug/L			05/11/18 00:04	2
Benzene	**350**		1.0	0.29	ug/L			05/11/18 00:04	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			05/11/18 00:04	2
Naphthalene	**340**		2.0	0.67	ug/L			05/11/18 00:04	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/11/18 00:04*	*2*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/11/18 00:04*	*2*
Dibromofluoromethane	*96*		*75 - 120*		*05/11/18 00:04*	*2*
Toluene-d8 (Surr)	*105*		*75 - 120*		*05/11/18 00:04*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1500**		20	7.2	ug/L			05/11/18 00:31	20
Ethylbenzene	**1200**		10	3.7	ug/L			05/11/18 00:31	20
Toluene	**1300**		10	3.0	ug/L			05/11/18 00:31	20
Xylenes, Total	**4600**		20	4.4	ug/L			05/11/18 00:31	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/11/18 00:31*	*20*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/11/18 00:31*	*20*
Dibromofluoromethane	*95*		*75 - 120*		*05/11/18 00:31*	*20*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/11/18 00:31*	*20*

Client Sample ID: MW-5

Date Collected: 04/30/18 13:45
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.72**	**J**	1.0	0.36	ug/L			05/11/18 00:58	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 00:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 00:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 00:58	1
Benzene	**2.8**		0.50	0.15	ug/L			05/11/18 00:58	1
Ethylbenzene	**0.36**	**J**	0.50	0.18	ug/L			05/11/18 00:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 00:58	1
Naphthalene	**1.4**		1.0	0.34	ug/L			05/11/18 00:58	1
Toluene	**0.42**	**J**	0.50	0.15	ug/L			05/11/18 00:58	1
Xylenes, Total	**1.7**		1.0	0.22	ug/L			05/11/18 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/11/18 00:58*	*1*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*05/11/18 00:58*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*05/11/18 00:58*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*05/11/18 00:58*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-5A

Lab Sample ID: 500-144828-7

Date Collected: 04/30/18 14:00

Matrix: Water

Date Received: 05/03/18 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 01:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 01:24	1
1,3,5-Trimethylbenzene	**150**		1.0	0.25	ug/L			05/11/18 01:24	1
Benzene	**5.6**		0.50	0.15	ug/L			05/11/18 01:24	1
Ethylbenzene	**140**		0.50	0.18	ug/L			05/11/18 01:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 01:24	1
Naphthalene	**65**		1.0	0.34	ug/L			05/11/18 01:24	1
Toluene	**11**		0.50	0.15	ug/L			05/11/18 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/11/18 01:24*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/11/18 01:24*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/11/18 01:24*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/11/18 01:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**410**		10	3.6	ug/L			05/11/18 01:52	10
Xylenes, Total	**320**		10	2.2	ug/L			05/11/18 01:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/11/18 01:52*	*10*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*05/11/18 01:52*	*10*
Dibromofluoromethane	*94*		*75 - 120*		*05/11/18 01:52*	*10*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/11/18 01:52*	*10*

Client Sample ID: MW-6

Lab Sample ID: 500-144828-8

Date Collected: 04/30/18 10:15

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 02:18	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 02:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 02:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 02:18	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 02:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 02:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 02:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 02:18	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 02:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/11/18 02:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/11/18 02:18*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/11/18 02:18*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/11/18 02:18*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-6A

Lab Sample ID: 500-144828-9

Date Collected: 04/30/18 12:15

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 02:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 02:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 02:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 02:46	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 02:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 02:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 02:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 02:46	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 02:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/11/18 02:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*05/11/18 02:46*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/11/18 02:46*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/11/18 02:46*	*1*

Client Sample ID: MW-7

Lab Sample ID: 500-144828-10

Date Collected: 04/30/18 11:15

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 03:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 03:12	1
1,2-Dichloroethane	**1.7**		1.0	0.39	ug/L			05/11/18 03:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 03:12	1
Benzene	**4.8**		0.50	0.15	ug/L			05/11/18 03:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 03:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 03:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 03:12	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 03:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/11/18 03:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/11/18 03:12*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/11/18 03:12*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/11/18 03:12*	*1*

Client Sample ID: MW-7A

Lab Sample ID: 500-144828-11

Date Collected: 04/30/18 00:00

Matrix: Water

Date Received: 05/03/18 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**0.56**	**J**	1.0	0.36	ug/L			05/11/18 03:40	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 03:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 03:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 03:40	1

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-7A

Lab Sample ID: 500-144828-11

Date Collected: 04/30/18 00:00

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 03:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 03:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 03:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 03:40	1
Toluene	**0.66**		0.50	0.15	ug/L			05/11/18 03:40	1
Xylenes, Total	**0.64**	**J**	1.0	0.22	ug/L			05/11/18 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*05/11/18 03:40*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/11/18 03:40*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/11/18 03:40*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*05/11/18 03:40*	*1*

Client Sample ID: PZ-7

Lab Sample ID: 500-144828-12

Date Collected: 04/30/18 11:15

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 04:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 04:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 04:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 04:07	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 04:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 04:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 04:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 04:07	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 04:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*05/11/18 04:07*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/11/18 04:07*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/11/18 04:07*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/11/18 04:07*	*1*

Client Sample ID: MW-9

Lab Sample ID: 500-144828-13

Date Collected: 04/30/18 11:00

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 04:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 04:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 04:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 04:34	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 04:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 04:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 04:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 04:34	1

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-9

Lab Sample ID: 500-144828-13

Date Collected: 04/30/18 11:00

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 04:34	1
Xylenes, Total	**0.50**	**J**	1.0	0.22	ug/L			05/11/18 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*05/11/18 04:34*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/11/18 04:34*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/11/18 04:34*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/11/18 04:34*	*1*

Client Sample ID: MW-10

Lab Sample ID: 500-144828-14

Date Collected: 04/30/18 15:00

Matrix: Water

Date Received: 05/03/18 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**2900**		20	7.2	ug/L			05/11/18 05:01	20
1,2-Dibromoethane (EDB)	<7.7		20	7.7	ug/L			05/11/18 05:01	20
1,2-Dichloroethane	**21**		20	7.8	ug/L			05/11/18 05:01	20
1,3,5-Trimethylbenzene	**880**		20	5.1	ug/L			05/11/18 05:01	20
Benzene	**100**		10	2.9	ug/L			05/11/18 05:01	20
Ethylbenzene	**1400**		10	3.7	ug/L			05/11/18 05:01	20
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			05/11/18 05:01	20
Naphthalene	**530**		20	6.7	ug/L			05/11/18 05:01	20
Toluene	**1000**		10	3.0	ug/L			05/11/18 05:01	20
Xylenes, Total	**4500**		20	4.4	ug/L			05/11/18 05:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/11/18 05:01*	*20*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*05/11/18 05:01*	*20*
Dibromofluoromethane	*94*		*75 - 120*		*05/11/18 05:01*	*20*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/11/18 05:01*	*20*

Client Sample ID: MW-E

Lab Sample ID: 500-144828-15

Date Collected: 04/30/18 13:00

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 05:29	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 05:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 05:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 05:29	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 05:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 05:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 05:29	1
Naphthalene	**1.2**		1.0	0.34	ug/L			05/11/18 05:29	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 05:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*05/11/18 05:29*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-E

Lab Sample ID: 500-144828-15

Date Collected: 04/30/18 13:00

Matrix: Water

Date Received: 05/03/18 09:10

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/11/18 05:29*	*1*
Dibromofluoromethane	*102*		*75 - 120*		*05/11/18 05:29*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/11/18 05:29*	*1*

Client Sample ID: MW-W

Lab Sample ID: 500-144828-16

Date Collected: 04/30/18 13:15

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 05:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 05:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 05:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 05:57	1
Benzene	**2.0**		0.50	0.15	ug/L			05/11/18 05:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 05:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 05:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 05:57	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 05:57	1
Xylenes, Total	**0.57**	**J**	1.0	0.22	ug/L			05/11/18 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/11/18 05:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/11/18 05:57*	*1*
Dibromofluoromethane	*101*		*75 - 120*		*05/11/18 05:57*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*05/11/18 05:57*	*1*

Client Sample ID: CMW-1

Lab Sample ID: 500-144828-17

Date Collected: 04/30/18 12:00

Matrix: Water

Date Received: 05/03/18 09:10

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			05/11/18 06:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 06:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 06:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 06:24	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 06:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 06:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 06:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 06:24	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 06:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/11/18 06:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*05/11/18 06:24*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/11/18 06:24*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*05/11/18 06:24*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: Trip Blank
Date Collected: 04/30/18 00:00
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-18
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			05/11/18 06:51	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/11/18 06:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/11/18 06:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/11/18 06:51	1
Benzene	<0.15		0.50	0.15	ug/L			05/11/18 06:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/11/18 06:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/11/18 06:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/11/18 06:51	1
Toluene	<0.15		0.50	0.15	ug/L			05/11/18 06:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/11/18 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*05/11/18 06:51*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/11/18 06:51*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/11/18 06:51*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/11/18 06:51*	*1*

Definitions/Glossary

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

TestAmerica Job ID: 500-144828-1

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.
¤	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: 500-144828-1

GC/MS VOA

Analysis Batch: 431518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-144828-1	MW-1A	Total/NA	Water	8260B	
500-144828-2	MW-3	Total/NA	Water	8260B	
500-144828-4	MW-4A	Total/NA	Water	8260B	
MB 500-431518/7	Method Blank	Total/NA	Water	8260B	
LCS 500-431518/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 431635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-144828-3	MW-3A	Total/NA	Water	8260B	
500-144828-3 - DL	MW-3A	Total/NA	Water	8260B	
500-144828-5	MW-4R	Total/NA	Water	8260B	
500-144828-5 - DL	MW-4R	Total/NA	Water	8260B	
500-144828-6	MW-5	Total/NA	Water	8260B	
500-144828-7	MW-5A	Total/NA	Water	8260B	
500-144828-7 - DL	MW-5A	Total/NA	Water	8260B	
500-144828-8	MW-6	Total/NA	Water	8260B	
500-144828-9	MW-6A	Total/NA	Water	8260B	
500-144828-10	MW-7	Total/NA	Water	8260B	
500-144828-11	MW-7A	Total/NA	Water	8260B	
500-144828-12	PZ-7	Total/NA	Water	8260B	
500-144828-13	MW-9	Total/NA	Water	8260B	
500-144828-14	MW-10	Total/NA	Water	8260B	
500-144828-15	MW-E	Total/NA	Water	8260B	
500-144828-16	MW-W	Total/NA	Water	8260B	
500-144828-17	CMW-1	Total/NA	Water	8260B	
500-144828-18	Trip Blank	Total/NA	Water	8260B	
MB 500-431635/6	Method Blank	Total/NA	Water	8260B	
LCS 500-431635/4	Lab Control Sample	Total/NA	Water	8260B	
500-144828-17 MS	CMW-1	Total/NA	Water	8260B	
500-144828-17 MSD	CMW-1	Total/NA	Water	8260B	

Surrogate Summary

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

TestAmerica Job ID: 500-144828-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-144828-1	MW-1A	103	99	97	103
500-144828-2	MW-3	102	96	98	102
500-144828-3	MW-3A	100	97	92	104
500-144828-3 - DL	MW-3A	105	102	96	103
500-144828-4	MW-4A	99	99	92	104
500-144828-5 - DL	MW-4R	105	102	95	103
500-144828-5	MW-4R	104	101	96	105
500-144828-6	MW-5	106	104	95	105
500-144828-7	MW-5A	106	99	98	103
500-144828-7 - DL	MW-5A	105	103	94	104
500-144828-8	MW-6	105	101	96	104
500-144828-9	MW-6A	108	98	98	104
500-144828-10	MW-7	110	99	98	102
500-144828-11	MW-7A	111	102	100	102
500-144828-12	PZ-7	107	102	98	104
500-144828-13	MW-9	112	101	98	103
500-144828-14	MW-10	106	106	94	104
500-144828-15	MW-E	111	101	102	103
500-144828-16	MW-W	108	102	101	105
500-144828-17	CMW-1	110	103	96	105
500-144828-17 MS	CMW-1	109	99	98	102
500-144828-17 MSD	CMW-1	106	100	97	102
500-144828-18	Trip Blank	114	101	99	103
LCS 500-431518/5	Lab Control Sample	103	94	93	103
LCS 500-431635/4	Lab Control Sample	101	97	95	103
MB 500-431518/7	Method Blank	107	99	97	103
MB 500-431635/6	Method Blank	107	98	99	104

Surrogate Legend

DCA = 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: 500-144828-1

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

Lab Sample ID: MB 500-431518/7
Matrix: Water
Analysis Batch: 431518

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			05/10/18 11:51	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/10/18 11:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/10/18 11:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/10/18 11:51	1
Benzene	<0.15		0.50	0.15	ug/L			05/10/18 11:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/10/18 11:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/10/18 11:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/10/18 11:51	1
Toluene	<0.15		0.50	0.15	ug/L			05/10/18 11:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/10/18 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*05/10/18 11:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/10/18 11:51*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/10/18 11:51*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/10/18 11:51*	*1*

Lab Sample ID: LCS 500-431518/5
Matrix: Water
Analysis Batch: 431518

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	44.6		ug/L		89	70 - 123
1,2-Dibromoethane (EDB)	50.0	48.4		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	47.5		ug/L		95	68 - 127
1,3,5-Trimethylbenzene	50.0	44.2		ug/L		88	70 - 123
Benzene	50.0	44.1		ug/L		88	70 - 120
Ethylbenzene	50.0	45.4		ug/L		91	70 - 120
Methyl tert-butyl ether	50.0	44.8		ug/L		90	70 - 120
Naphthalene	50.0	52.7		ug/L		105	59 - 130
Toluene	50.0	47.7		ug/L		95	70 - 125
Xylenes, Total	100	95.4		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: MB 500-431635/6
Matrix: Water
Analysis Batch: 431635

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			05/10/18 22:44	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/10/18 22:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/10/18 22:44	1

QC Sample Results

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

TestAmerica Job ID: 500-144828-1

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

Lab Sample ID: MB 500-431635/6
Matrix: Water
Analysis Batch: 431635

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	<0.25		1.0	0.25	ug/L			05/10/18 22:44	1
Benzene	<0.15		0.50	0.15	ug/L			05/10/18 22:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/10/18 22:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/10/18 22:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/10/18 22:44	1
Toluene	<0.15		0.50	0.15	ug/L			05/10/18 22:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/10/18 22:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*05/10/18 22:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*05/10/18 22:44*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/10/18 22:44*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/10/18 22:44*	*1*

Lab Sample ID: LCS 500-431635/4
Matrix: Water
Analysis Batch: 431635

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	47.4		ug/L		95	70 - 123
1,2-Dibromoethane (EDB)	50.0	50.9		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	51.3		ug/L		103	68 - 127
1,3,5-Trimethylbenzene	50.0	47.0		ug/L		94	70 - 123
Benzene	50.0	47.4		ug/L		95	70 - 120
Ethylbenzene	50.0	46.7		ug/L		93	70 - 120
Methyl tert-butyl ether	50.0	46.9		ug/L		94	70 - 120
Naphthalene	50.0	52.8		ug/L		106	59 - 130
Toluene	50.0	49.3		ug/L		99	70 - 125
Xylenes, Total	100	98.1		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: 500-144828-17 MS
Matrix: Water
Analysis Batch: 431635

Client Sample ID: CMW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	<0.36		50.0	48.6		ug/L		97	70 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	52.3		ug/L		105	70 - 125
1,2-Dichloroethane	<0.39		50.0	57.8		ug/L		116	68 - 127
1,3,5-Trimethylbenzene	<0.25		50.0	48.3		ug/L		97	70 - 123
Benzene	<0.15		50.0	48.5		ug/L		97	70 - 120
Ethylbenzene	<0.18		50.0	47.7		ug/L		95	70 - 120
Methyl tert-butyl ether	<0.39		50.0	53.1		ug/L		106	70 - 120

QC Sample Results

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

TestAmerica Job ID: 500-144828-1

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

Lab Sample ID: 500-144828-17 MS
Matrix: Water
Analysis Batch: 431635

Client Sample ID: CMW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	<0.34		50.0	51.2		ug/L		102	59 - 130
Toluene	<0.15		50.0	50.4		ug/L		101	70 - 125
Xylenes, Total	<0.22		100	101		ug/L		101	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 500-144828-17 MSD
Matrix: Water
Analysis Batch: 431635

Client Sample ID: CMW-1
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	<0.36		50.0	49.3		ug/L		99	70 - 123	1	20
1,2-Dibromoethane (EDB)	<0.39		50.0	52.9		ug/L		106	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	57.2		ug/L		114	68 - 127	1	20
1,3,5-Trimethylbenzene	<0.25		50.0	49.1		ug/L		98	70 - 123	2	20
Benzene	<0.15		50.0	48.7		ug/L		97	70 - 120	0	20
Ethylbenzene	<0.18		50.0	47.4		ug/L		95	70 - 120	1	20
Methyl tert-butyl ether	<0.39		50.0	52.8		ug/L		106	70 - 120	0	20
Naphthalene	<0.34		50.0	55.9		ug/L		112	59 - 130	9	20
Toluene	<0.15		50.0	50.8		ug/L		102	70 - 125	1	20
Xylenes, Total	<0.22		100	101		ug/L		101	70 - 125	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*97*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Chronicle

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-1A
Date Collected: 04/30/18 11:30
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431518	05/10/18 17:40	JDD	TAL CHI

Client Sample ID: MW-3
Date Collected: 04/30/18 10:30
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431518	05/10/18 18:07	JDD	TAL CHI

Client Sample ID: MW-3A
Date Collected: 04/30/18 14:45
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	431635	05/10/18 23:11	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	200	431635	05/10/18 23:38	JDD	TAL CHI

Client Sample ID: MW-4A
Date Collected: 04/30/18 14:15
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	431518	05/10/18 18:33	JDD	TAL CHI

Client Sample ID: MW-4R
Date Collected: 04/30/18 14:30
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	431635	05/11/18 00:04	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	20	431635	05/11/18 00:31	JDD	TAL CHI

Client Sample ID: MW-5
Date Collected: 04/30/18 13:45
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 00:58	JDD	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-5A
Date Collected: 04/30/18 14:00
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 01:24	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	10	431635	05/11/18 01:52	JDD	TAL CHI

Client Sample ID: MW-6
Date Collected: 04/30/18 10:15
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 02:18	JDD	TAL CHI

Client Sample ID: MW-6A
Date Collected: 04/30/18 12:15
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 02:46	JDD	TAL CHI

Client Sample ID: MW-7
Date Collected: 04/30/18 11:15
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 03:12	JDD	TAL CHI

Client Sample ID: MW-7A
Date Collected: 04/30/18 00:00
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 03:40	JDD	TAL CHI

Client Sample ID: PZ-7
Date Collected: 04/30/18 11:15
Date Received: 05/03/18 09:10

Lab Sample ID: 500-144828-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 04:07	JDD	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-144828-1

Client Sample ID: MW-9

Lab Sample ID: 500-144828-13

Date Collected: 04/30/18 11:00

Matrix: Water

Date Received: 05/03/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 04:34	JDD	TAL CHI

Client Sample ID: MW-10

Lab Sample ID: 500-144828-14

Date Collected: 04/30/18 15:00

Matrix: Water

Date Received: 05/03/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	431635	05/11/18 05:01	JDD	TAL CHI

Client Sample ID: MW-E

Lab Sample ID: 500-144828-15

Date Collected: 04/30/18 13:00

Matrix: Water

Date Received: 05/03/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 05:29	JDD	TAL CHI

Client Sample ID: MW-W

Lab Sample ID: 500-144828-16

Date Collected: 04/30/18 13:15

Matrix: Water

Date Received: 05/03/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 05:57	JDD	TAL CHI

Client Sample ID: CMW-1

Lab Sample ID: 500-144828-17

Date Collected: 04/30/18 12:00

Matrix: Water

Date Received: 05/03/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 06:24	JDD	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-144828-18

Date Collected: 04/30/18 00:00

Matrix: Water

Date Received: 05/03/18 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	431635	05/11/18 06:51	JDD	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: American Engineering Testing Inc.

TestAmerica Job ID: 500-144828-1

Project/Site: Dairi Concepts - 03-05510

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	08-31-18

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

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

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

Lab Job #: ~~500-18~~ AS 5/3/18
500-144828
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: -0.6 70.9

Client	Client Project #	Preservative	1								
AET	03-05510										
Project Name		Parameter	PVOC + 1,2DCA + Naphthalene + EDB								
Dairi Concepts (DC)											
Project Location/State	Lab Project #										
Chili, WI											
Sampler	Lab PM										
Michael K. Neal	Sandie F.										

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix		Comments
1		MW-1A	4-30-18	11:30	3	W	X	
2		MW-3		10:30	3	W	X	
3		MW-3A		14:45	3	W	X	Strong Petrol. odor
4		MW-4A		14:15	3	W	X	
5		MW-4R		14:30	3	W	X	
6		MW-5		13:45	3	W	X	
7		MW-5A		14:00	3	W	X	
8		MW-6		10:15	3	W	X	
9		MW-6A		12:15	3	W	X	
10		MW-7		11:15	3	W	X	

500-144828 COC

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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	AET	5-2-18	15:00		Fed X		
					TALNE	05/03/18	0910

Lab Courier
Shipped FX STD
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 project

Lab Comments:

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

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

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference# 181 74003

Lab Job #: 500-144828
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: -0.6->0.9

Client: AET
Client Project #: 03-05510
Project Name: Dairi Concepts (DC)
Project Location/State: Chili, WI
Lab Project #:
Sampler: Michael K. Neal
Lab PM: Sandra F.

Preservative: 1
Parameter: PVOC + 1,2DCA + naphthalene EDB

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix		Comments
11		MW-7A	4/30-18	[illegible]	3	W	X	
12		P2-7		11:45	3	W	X	
13		MW-9		11:00	3	W	X	
14		MW-10		15:00	3	W	X	Strong Petrol odor
15		MW-E		13:00	3	W	X	
16		MW-W		13:15	3	W	X	
17		CMW-1		12:00	3	W	X	
18		Trip Blank		—	1	W	X	

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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	AET	5-2-18	15:00	Fed X			
				[signature]	TALMS	05/03/18	0910

Lab Courier
Shipped: FX STD
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 project

Lab Comments:

TAL-4124-500-(1209)

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-144828-1

Login Number: 144828 **List Source: TestAmerica Chicago**
List Number: 1
Creator: Sanchez, Ariel M

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	0.9
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 <6mm (1/4").	False	
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

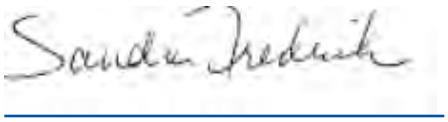
ANALYTICAL REPORT

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

TestAmerica Job ID: 500-148121-1
Client Project/Site: Dairi Concepts (DC) - 03-05510

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

Attn: Mr. Michael Neal



Authorized for release by:
7/22/2018 4:43:11 PM

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

REVIEWED
By mneal at 6:10 am, Jul 23, 2018

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

TestAmerica Job ID: 500-148121-1

Table of Contents

Case Narrative

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

TestAmerica Job ID: 500-148121-1

Job ID: 500-148121-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-148121-1

Comments
No additional comments.

Receipt
The samples were received on 7/10/2018 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.8º C.

GC/MS VOA
Method(s) 8260B: The following sample was diluted due to the abundance of non-target analytes: MW-10 (500-148121-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3A (500-148121-2) and MW-4R (500-148121-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: One surrogate recovery for the following sample was outside control limits: MW-4R (500-148121-4). Evidence of matrix interference is present. The sample was re-analyzed at a dilution to bring target compounds within the calibration range. The diluted analysis had all surrogate recoveries within limits therefor no further corrective action was needed.

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

Detection Summary

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-1A — Lab Sample ID: 500-148121-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.8		1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	3.7		0.50	0.15	ug/L	1		8260B	Total/NA
Toluene	0.38	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-3A — Lab Sample ID: 500-148121-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dibromoethane (EDB)	37		5.0	1.9	ug/L	5		8260B	Total/NA
Naphthalene	110		5.0	1.7	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1800		50	18	ug/L	50		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	550		50	13	ug/L	50		8260B	Total/NA
Benzene - DL	2100		25	7.3	ug/L	50		8260B	Total/NA
Ethylbenzene - DL	1500		25	9.2	ug/L	50		8260B	Total/NA
Toluene - DL	9500		25	7.6	ug/L	50		8260B	Total/NA
Xylenes, Total - DL	7900		50	11	ug/L	50		8260B	Total/NA

Client Sample ID: MW-4A — Lab Sample ID: 500-148121-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	37		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	28		1.0	0.25	ug/L	1		8260B	Total/NA
Benzene	110		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	57		0.50	0.18	ug/L	1		8260B	Total/NA
Naphthalene	19		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	9.1		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	82		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 500-148121-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	300		1.0	0.29	ug/L	2		8260B	Total/NA
Naphthalene	14		2.0	0.67	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1800		20	7.2	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	520		20	5.1	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	1100		10	3.7	ug/L	20		8260B	Total/NA
Toluene - DL	740		10	3.0	ug/L	20		8260B	Total/NA
Xylenes, Total - DL	3700		20	4.4	ug/L	20		8260B	Total/NA

Client Sample ID: MW-5A — Lab Sample ID: 500-148121-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48		0.50	0.15	ug/L	1		8260B	Total/NA
Naphthalene	140		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	46		0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	690		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	220		10	2.5	ug/L	10		8260B	Total/NA
Ethylbenzene - DL	460		5.0	1.8	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	890		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 500-148121-6

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-7 (Continued) — Lab Sample ID: 500-148121-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.6		1.0	0.39	ug/L	1		8260B	Total/NA
Benzene	4.4		0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 500-148121-7

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
1,3,5-Trimethylbenzene	420		20	5.1	ug/L	20		8260B	Total/NA
Benzene	340		10	2.9	ug/L	20		8260B	Total/NA
Ethylbenzene	1000		10	3.7	ug/L	20		8260B	Total/NA
Naphthalene	1100		20	6.7	ug/L	20		8260B	Total/NA
Toluene	1200		10	3.0	ug/L	20		8260B	Total/NA
Xylenes, Total	3000		20	4.4	ug/L	20		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-148121-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-148121-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	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 (DC) - 03-05510

TestAmerica Job ID: 500-148121-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-148121-1	MW-1A	Water	07/09/18 09:30	07/10/18 09:05
500-148121-2	MW-3A	Water	07/09/18 11:15	07/10/18 09:05
500-148121-3	MW-4A	Water	07/09/18 10:45	07/10/18 09:05
500-148121-4	MW-4R	Water	07/09/18 11:00	07/10/18 09:05
500-148121-5	MW-5A	Water	07/09/18 10:30	07/10/18 09:05
500-148121-6	MW-7	Water	07/09/18 10:00	07/10/18 09:05
500-148121-7	MW-10	Water	07/09/18 11:30	07/10/18 09:05
500-148121-8	Trip Blank	Water	07/09/18 00:00	07/10/18 09:05

Client Sample Results

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-1A

Date Collected: 07/09/18 09:30
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-1

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			07/19/18 14:50	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/19/18 14:50	1
1,2-Dichloroethane	**1.8**		1.0	0.39	ug/L			07/19/18 14:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/18 14:50	1
Benzene	**3.7**		0.50	0.15	ug/L			07/19/18 14:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/18 14:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/18 14:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/18 14:50	1
Toluene	**0.38**	**J**	0.50	0.15	ug/L			07/19/18 14:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/18 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*07/19/18 14:50*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*07/19/18 14:50*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*07/19/18 14:50*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*07/19/18 14:50*	*1*

Client Sample ID: MW-3A

Date Collected: 07/09/18 11:15
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	**37**		5.0	1.9	ug/L			07/19/18 15:17	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			07/19/18 15:17	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			07/19/18 15:17	5
Naphthalene	**110**		5.0	1.7	ug/L			07/19/18 15:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*07/19/18 15:17*	*5*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*07/19/18 15:17*	*5*
Dibromofluoromethane	*102*		*75 - 120*		*07/19/18 15:17*	*5*
Toluene-d8 (Surr)	*107*		*75 - 120*		*07/19/18 15:17*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1800**		50	18	ug/L			07/19/18 15:44	50
1,3,5-Trimethylbenzene	**550**		50	13	ug/L			07/19/18 15:44	50
Benzene	**2100**		25	7.3	ug/L			07/19/18 15:44	50
Ethylbenzene	**1500**		25	9.2	ug/L			07/19/18 15:44	50
Toluene	**9500**		25	7.6	ug/L			07/19/18 15:44	50
Xylenes, Total	**7900**		50	11	ug/L			07/19/18 15:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*07/19/18 15:44*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*07/19/18 15:44*	*50*
Dibromofluoromethane	*93*		*75 - 120*		*07/19/18 15:44*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*		*07/19/18 15:44*	*50*

Client Sample Results

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-4A

Lab Sample ID: 500-148121-3

Date Collected: 07/09/18 10:45

Matrix: Water

Date Received: 07/10/18 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	37		1.0	0.36	ug/L			07/19/18 16:11	1
1,3,5-Trimethylbenzene	28		1.0	0.25	ug/L			07/19/18 16:11	1
Benzene	110		0.50	0.15	ug/L			07/19/18 16:11	1
Ethylbenzene	57		0.50	0.18	ug/L			07/19/18 16:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/18 16:11	1
Naphthalene	19		1.0	0.34	ug/L			07/19/18 16:11	1
Toluene	9.1		0.50	0.15	ug/L			07/19/18 16:11	1
Xylenes, Total	82		1.0	0.22	ug/L			07/19/18 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*07/19/18 16:11*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*07/19/18 16:11*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*07/19/18 16:11*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*07/19/18 16:11*	*1*

Client Sample ID: MW-4R

Lab Sample ID: 500-148121-4

Date Collected: 07/09/18 11:00

Matrix: Water

Date Received: 07/10/18 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	300		1.0	0.29	ug/L			07/19/18 16:38	2
Methyl tert-butyl ether	<0.79		2.0	0.79	ug/L			07/19/18 16:38	2
Naphthalene	14		2.0	0.67	ug/L			07/19/18 16:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*07/19/18 16:38*	*2*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*07/19/18 16:38*	*2*
Dibromofluoromethane	*102*		*75 - 120*		*07/19/18 16:38*	*2*
Toluene-d8 (Surr)	*123*	*X*	*75 - 120*		*07/19/18 16:38*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1800		20	7.2	ug/L			07/19/18 17:04	20
1,3,5-Trimethylbenzene	520		20	5.1	ug/L			07/19/18 17:04	20
Ethylbenzene	1100		10	3.7	ug/L			07/19/18 17:04	20
Toluene	740		10	3.0	ug/L			07/19/18 17:04	20
Xylenes, Total	3700		20	4.4	ug/L			07/19/18 17:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*07/19/18 17:04*	*20*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/19/18 17:04*	*20*
Dibromofluoromethane	*91*		*75 - 120*		*07/19/18 17:04*	*20*
Toluene-d8 (Surr)	*95*		*75 - 120*		*07/19/18 17:04*	*20*

Client Sample Results

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-5A

Date Collected: 07/09/18 10:30
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**48**		0.50	0.15	ug/L			07/19/18 17:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/18 17:31	1
Naphthalene	**140**		1.0	0.34	ug/L			07/19/18 17:31	1
Toluene	**46**		0.50	0.15	ug/L			07/19/18 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*07/19/18 17:31*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*07/19/18 17:31*	*1*
Dibromofluoromethane	*93*		*75 - 120*		*07/19/18 17:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*07/19/18 17:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**690**		10	3.6	ug/L			07/19/18 17:58	10
1,3,5-Trimethylbenzene	**220**		10	2.5	ug/L			07/19/18 17:58	10
Ethylbenzene	**460**		5.0	1.8	ug/L			07/19/18 17:58	10
Xylenes, Total	**890**		10	2.2	ug/L			07/19/18 17:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*07/19/18 17:58*	*10*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*07/19/18 17:58*	*10*
Dibromofluoromethane	*94*		*75 - 120*		*07/19/18 17:58*	*10*
Toluene-d8 (Surr)	*94*		*75 - 120*		*07/19/18 17:58*	*10*

Client Sample ID: MW-7

Date Collected: 07/09/18 10:00
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-6

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			07/20/18 11:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/20/18 11:31	1
1,2-Dichloroethane	**1.6**		1.0	0.39	ug/L			07/20/18 11:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/20/18 11:31	1
Benzene	**4.4**		0.50	0.15	ug/L			07/20/18 11:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/20/18 11:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/20/18 11:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/20/18 11:31	1
Toluene	<0.15		0.50	0.15	ug/L			07/20/18 11:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/20/18 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*07/20/18 11:31*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/20/18 11:31*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*07/20/18 11:31*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*07/20/18 11:31*	*1*

Client Sample Results

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-10

Lab Sample ID: 500-148121-7

Date Collected: 07/09/18 11:30

Matrix: Water

Date Received: 07/10/18 09:05

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			07/19/18 19:16	20
1,2-Dibromoethane (EDB)	<7.7		20	7.7	ug/L			07/19/18 19:16	20
1,2-Dichloroethane	<7.8		20	7.8	ug/L			07/19/18 19:16	20
1,3,5-Trimethylbenzene	**420**		20	5.1	ug/L			07/19/18 19:16	20
Benzene	**340**		10	2.9	ug/L			07/19/18 19:16	20
Ethylbenzene	**1000**		10	3.7	ug/L			07/19/18 19:16	20
Methyl tert-butyl ether	<7.9		20	7.9	ug/L			07/19/18 19:16	20
Naphthalene	**1100**		20	6.7	ug/L			07/19/18 19:16	20
Toluene	**1200**		10	3.0	ug/L			07/19/18 19:16	20
Xylenes, Total	**3000**		20	4.4	ug/L			07/19/18 19:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*07/19/18 19:16*	*20*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*07/19/18 19:16*	*20*
Dibromofluoromethane	*91*		*75 - 120*		*07/19/18 19:16*	*20*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/19/18 19:16*	*20*

Client Sample ID: Trip Blank

Lab Sample ID: 500-148121-8

Date Collected: 07/09/18 00:00

Matrix: Water

Date Received: 07/10/18 09:05

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			07/19/18 10:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/18 10:51	1
Benzene	<0.15		0.50	0.15	ug/L			07/19/18 10:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/18 10:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/18 10:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/18 10:51	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/18 10:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/18 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*07/19/18 10:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*07/19/18 10:51*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*07/19/18 10:51*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/19/18 10:51*	*1*

Definitions/Glossary

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

TestAmerica Job ID: 500-148121-1

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.
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 (DC) - 03-05510

TestAmerica Job ID: 500-148121-1

GC/MS VOA

Analysis Batch: 441482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-148121-1	MW-1A	Total/NA	Water	8260B	
500-148121-2	MW-3A	Total/NA	Water	8260B	
500-148121-2 - DL	MW-3A	Total/NA	Water	8260B	
500-148121-3	MW-4A	Total/NA	Water	8260B	
500-148121-4	MW-4R	Total/NA	Water	8260B	
500-148121-4 - DL	MW-4R	Total/NA	Water	8260B	
500-148121-5	MW-5A	Total/NA	Water	8260B	
500-148121-5 - DL	MW-5A	Total/NA	Water	8260B	
500-148121-7	MW-10	Total/NA	Water	8260B	
500-148121-8	Trip Blank	Total/NA	Water	8260B	
MB 500-441482/7	Method Blank	Total/NA	Water	8260B	
LCS 500-441482/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 441679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-148121-6	MW-7	Total/NA	Water	8260B	
MB 500-441679/8	Method Blank	Total/NA	Water	8260B	
LCS 500-441679/6	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

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

TestAmerica Job ID: 500-148121-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-148121-1	MW-1A	92	92	93	94
500-148121-2	MW-3A	95	117	102	107
500-148121-2 - DL	MW-3A	91	93	93	94
500-148121-3	MW-4A	91	93	93	95
500-148121-4	MW-4R	95	102	102	123 X
500-148121-4 - DL	MW-4R	92	91	91	95
500-148121-5	MW-5A	93	93	93	95
500-148121-5 - DL	MW-5A	91	93	94	94
500-148121-6	MW-7	98	91	94	93
500-148121-7	MW-10	91	92	91	96
500-148121-8	Trip Blank	89	93	90	96
LCS 500-441482/5	Lab Control Sample	87	91	92	94
LCS 500-441679/6	Lab Control Sample	91	90	95	96
MB 500-441482/7	Method Blank	91	90	92	93
MB 500-441679/8	Method Blank	94	88	95	96

Surrogate Legend

DCA = 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 (DC) - 03-05510

TestAmerica Job ID: 500-148121-1

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

Lab Sample ID: MB 500-441482/7
Matrix: Water
Analysis Batch: 441482

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			07/19/18 10:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/19/18 10:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/19/18 10:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/18 10:24	1
Benzene	<0.15		0.50	0.15	ug/L			07/19/18 10:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/18 10:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/18 10:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/18 10:24	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/18 10:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/18 10:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*07/19/18 10:24*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*07/19/18 10:24*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*07/19/18 10:24*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*07/19/18 10:24*	*1*

Lab Sample ID: LCS 500-441482/5
Matrix: Water
Analysis Batch: 441482

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	47.2		ug/L		94	70 - 123
1,2-Dibromoethane (EDB)	50.0	45.3		ug/L		91	70 - 125
1,2-Dichloroethane	50.0	42.7		ug/L		85	68 - 127
1,3,5-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 123
Benzene	50.0	46.2		ug/L		92	70 - 120
Ethylbenzene	50.0	45.1		ug/L		90	70 - 120
Methyl tert-butyl ether	50.0	44.9		ug/L		90	70 - 120
Naphthalene	50.0	41.7		ug/L		83	59 - 130
Toluene	50.0	45.2		ug/L		90	70 - 125
Xylenes, Total	100	91.6		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*92*		*75 - 120*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: MB 500-441679/8
Matrix: Water
Analysis Batch: 441679

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			07/20/18 10:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/20/18 10:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/20/18 10:11	1

QC Sample Results

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

TestAmerica Job ID: 500-148121-1

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

Lab Sample ID: MB 500-441679/8
Matrix: Water
Analysis Batch: 441679

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	<0.25		1.0	0.25	ug/L			07/20/18 10:11	1
Benzene	<0.15		0.50	0.15	ug/L			07/20/18 10:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/20/18 10:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/20/18 10:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/20/18 10:11	1
Toluene	<0.15		0.50	0.15	ug/L			07/20/18 10:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/20/18 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*07/20/18 10:11*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*07/20/18 10:11*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*07/20/18 10:11*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/20/18 10:11*	*1*

Lab Sample ID: LCS 500-441679/6
Matrix: Water
Analysis Batch: 441679

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	47.7		ug/L		95	70 - 123
1,2-Dibromoethane (EDB)	50.0	47.0		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	46.7		ug/L		93	68 - 127
1,3,5-Trimethylbenzene	50.0	48.7		ug/L		97	70 - 123
Benzene	50.0	46.5		ug/L		93	70 - 120
Ethylbenzene	50.0	46.1		ug/L		92	70 - 120
Methyl tert-butyl ether	50.0	44.9		ug/L		90	70 - 120
Naphthalene	50.0	41.1		ug/L		82	59 - 130
Toluene	50.0	46.7		ug/L		93	70 - 125
Xylenes, Total	100	94.1		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Chronicle

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-1A
Date Collected: 07/09/18 09:30
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	441482	07/19/18 14:50	PMF	TAL CHI

Client Sample ID: MW-3A
Date Collected: 07/09/18 11:15
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	441482	07/19/18 15:17	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	50	441482	07/19/18 15:44	PMF	TAL CHI

Client Sample ID: MW-4A
Date Collected: 07/09/18 10:45
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	441482	07/19/18 16:11	PMF	TAL CHI

Client Sample ID: MW-4R
Date Collected: 07/09/18 11:00
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	441482	07/19/18 16:38	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	20	441482	07/19/18 17:04	PMF	TAL CHI

Client Sample ID: MW-5A
Date Collected: 07/09/18 10:30
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	441482	07/19/18 17:31	PMF	TAL CHI
Total/NA	Analysis	8260B	DL	10	441482	07/19/18 17:58	PMF	TAL CHI

Client Sample ID: MW-7
Date Collected: 07/09/18 10:00
Date Received: 07/10/18 09:05

Lab Sample ID: 500-148121-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	441679	07/20/18 11:31	PMF	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-148121-1

Client Sample ID: MW-10

Lab Sample ID: 500-148121-7

Date Collected: 07/09/18 11:30

Matrix: Water

Date Received: 07/10/18 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	441482	07/19/18 19:16	PMF	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-148121-8

Date Collected: 07/09/18 00:00

Matrix: Water

Date Received: 07/10/18 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	441482	07/19/18 10:51	PMF	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: American Engineering Testing Inc.

TestAmerica Job ID: 500-148121-1

Project/Site: Dairi Concepts (DC) - 03-05510

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	08-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-148121 COC

Chain of Custody Record

Lab Job #: 500-148121

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 5.8

Report To (optional)	Bill To (optional)
Contact:	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference# 181 74003

Client: AET | Client Project #: 03-05510

Project Name: Dairi Concepts (DC)

Project Location/State: Chili, WI | Lab Project #:

Sampler: Michal K. Neal | Lab PM: Sandie F

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

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter	Comments
							1	1	
							PVOC + Naphthalene	Pvoc + Naphthalene 1,2,3,4 + EDB	
1		MW-1A	2-9-18	9:30	3	W		X	
2		MW-3A		11:15	3	W		X	
3		MW-4A		10:45	3	W	X		
4		MW-4R		11:00	3	W	X		
5		MW-5A		10:30	3	W	X		
6		MW-7		10:00	3	W		X	
7		MW-10		12:30 ~~10:00~~	3	W		X	
8		Trip Blank		—	1	W	X		

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 [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	AET	2-9-18	15:00	Fed X			
				[illegible]	TA-CHI	2/10/18	0905

Lab Courier:

Shipped: Fed-X

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: PCLFA project

Lab Comments:

Login Sample Receipt Checklist

Client: American Engineering Testing Inc. Job Number: 500-148121-1

Login Number: 148121 **List Source: TestAmerica Chicago**
List Number: 1
Creator: Scott, Sherri L

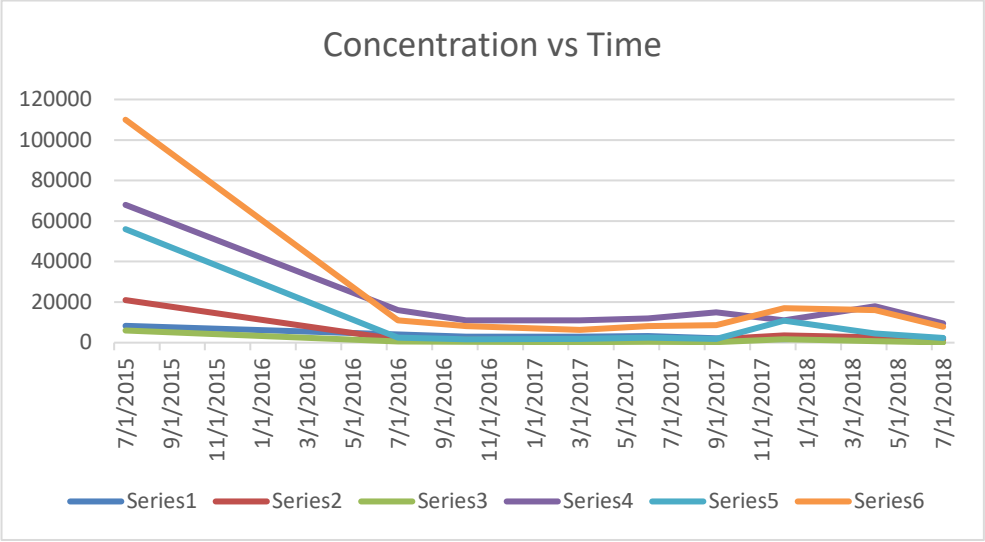
Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.8
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 <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix D

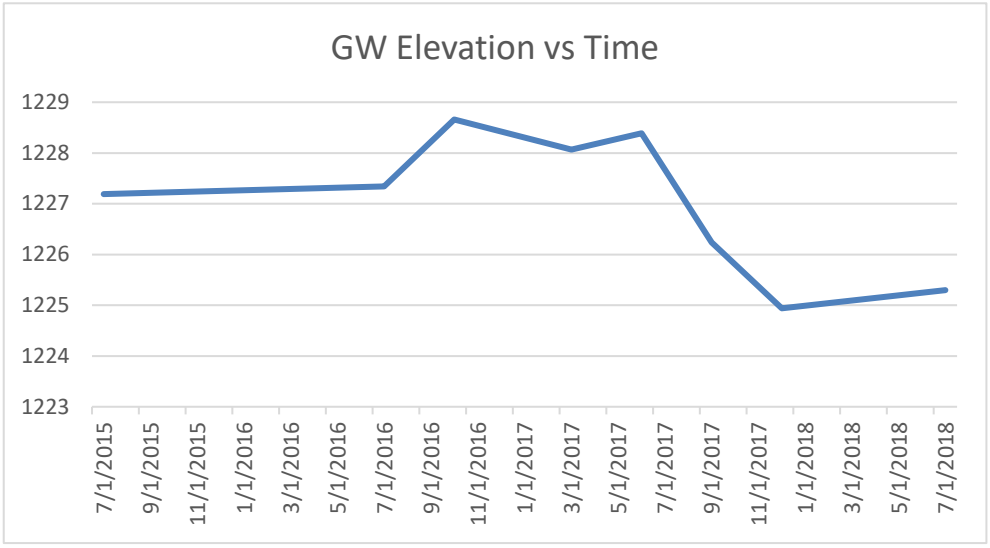
Concentration versus Time Graphs

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
9/8/2017	2200	1700	340	15000	1840	8700
12/4/2017	1700	3600	1700	11000	10900	17000
4/30/2018	2900	2600	750	18000	4600	16000
7/9/2018	2100	1500	110	9500	2350	7900

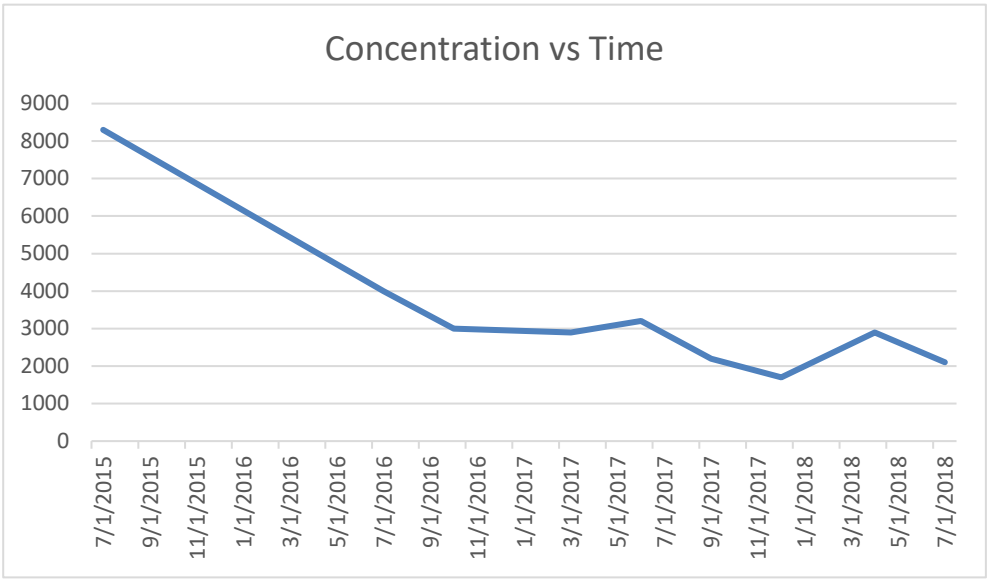


Date	Series 1 Groundwater Elevation
7/7/2015	1227.19
7/11/2016	1227.34
10/17/2016	1228.66
3/22/2017	1228.07
6/1/2017	1228.39
9/8/2017	1226.24
12/4/2017	1224.94
7/9/2018	1225.30

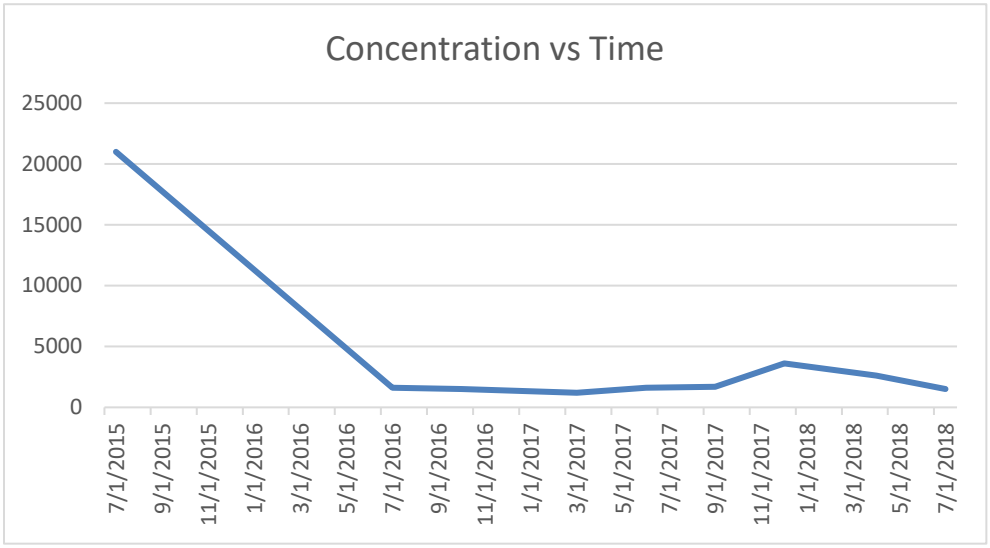


DairiConcepts, Chili, WI - MW-3A - Post Remediation

Date	Series 1 Benzene
7/7/2015	8300
7/11/2016	4000
10/17/2016	3000
3/22/2017	2900
6/1/2017	3200
9/8/2017	2200
12/4/2017	1700
4/30/2018	2900
7/9/2018	2100

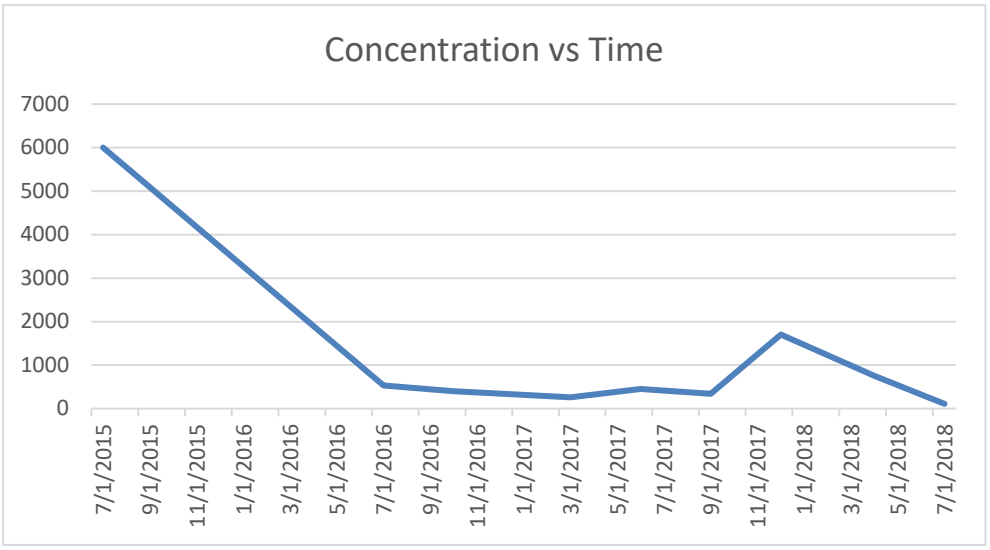


Date	Series 1 Ethylbenzene
7/7/2015	21000
7/11/2016	1600
10/17/2016	1500
3/22/2017	1200
6/1/2017	1600
9/8/2017	1700
12/4/2017	3600
4/30/2018	2600
7/9/2018	1500

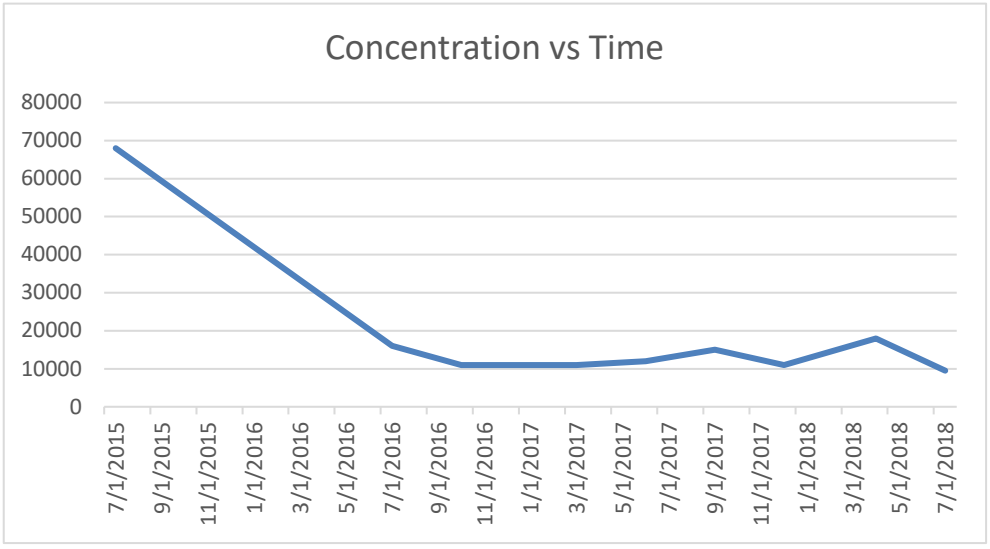


DairiConcepts, Chili, WI - MW-3A - Post Remediation

Date	Series 1 Naphthalene
7/7/2015	6000
7/11/2016	530
10/17/2016	400
3/22/2017	260
6/1/2017	450
9/8/2017	340
12/4/2017	1700
4/30/2018	750
7/9/2018	110

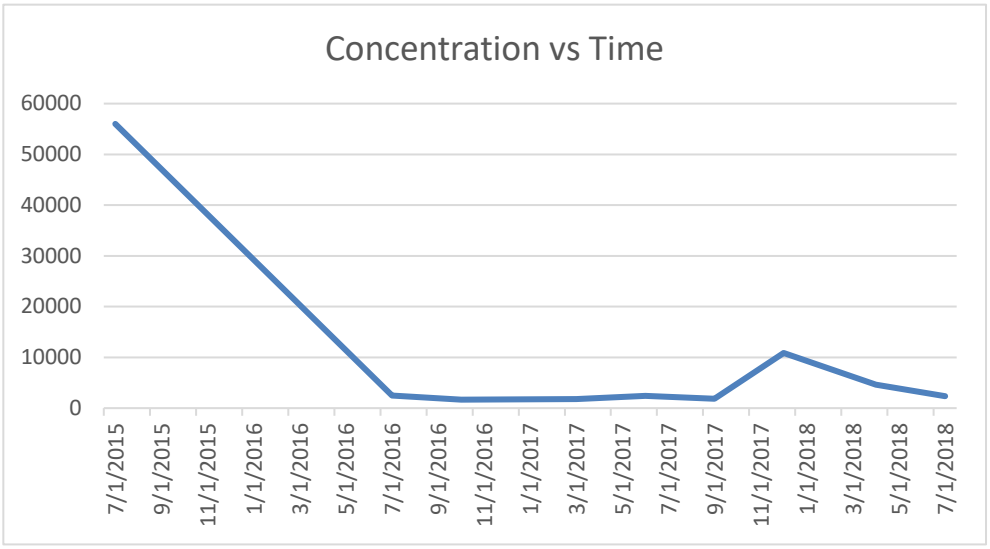


Date	Series 1 Toluene
7/7/2015	68000
7/11/2016	16000
10/17/2016	11000
3/22/2017	11000
6/1/2017	12000
9/8/2017	15000
12/4/2017	11000
4/30/2018	18000
7/9/2018	9500

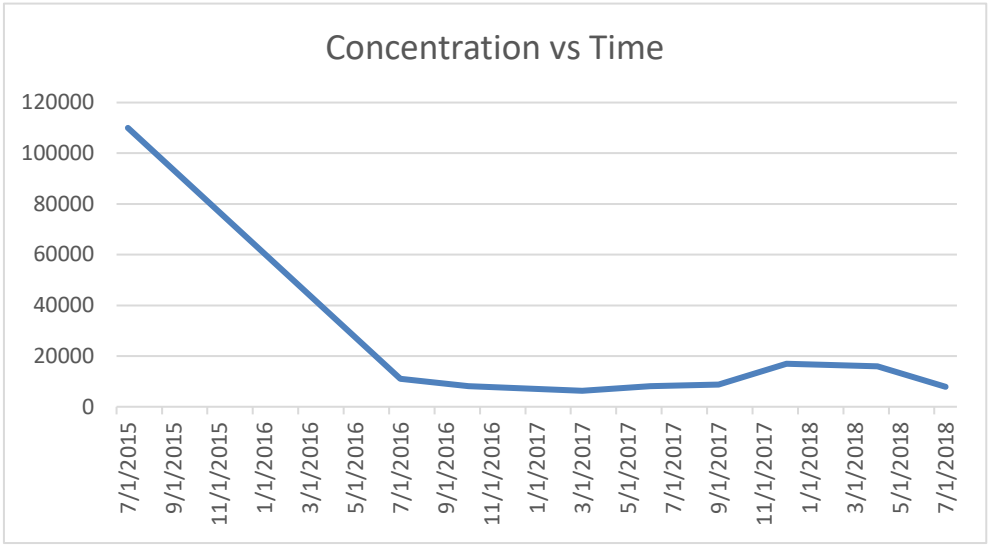


DairiConcepts, Chili, WI - MW-3A - Post Remediation

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
9/8/2017	1840
12/4/2017	10900
4/30/2018	4600
7/9/2018	2350

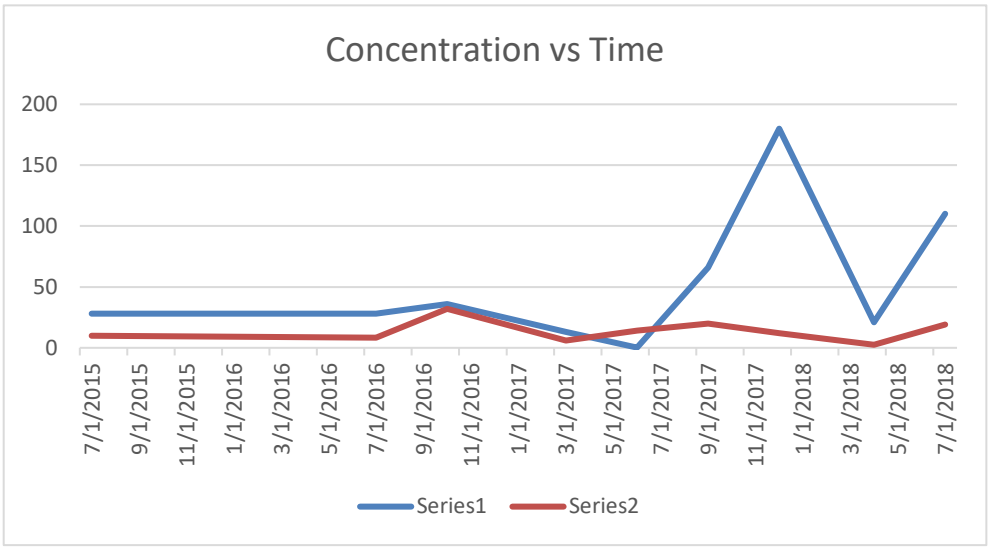


Date	Series 1 Total Xylenes
7/7/2015	110000
7/11/2016	11000
10/17/2016	8100
3/22/2017	6300
6/1/2017	8100
9/8/2017	8700
12/4/2017	17000
4/30/2018	16000
7/9/2018	7900

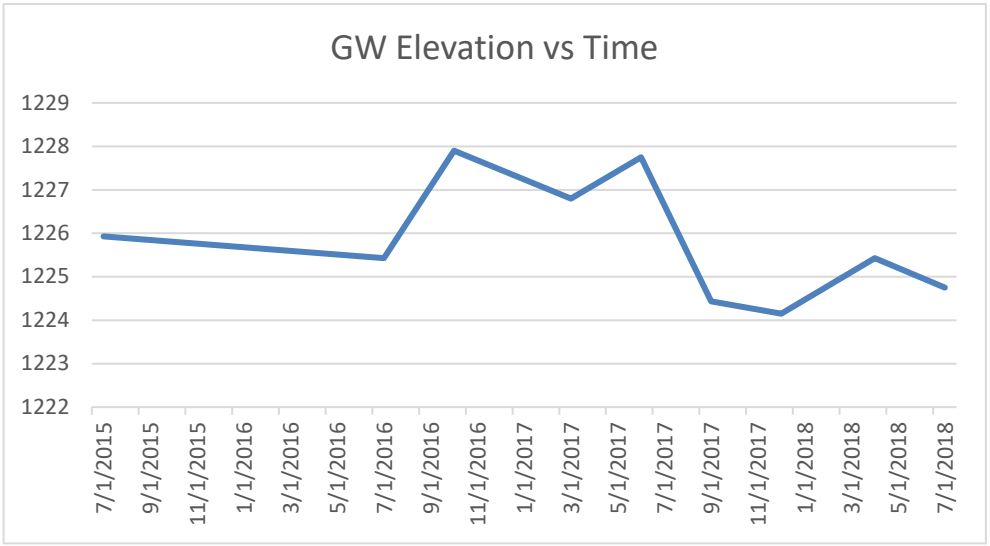


DairiConcepts, Chili, WI - MW-4A - Post Remediation

Date	Series 1 Benzene	Series 2 Naphthalene
7/7/2015	28	10
7/11/2016	28	8.2
10/17/2016	36	32
3/22/2017	13	5.9
6/1/2017	0.18	14
9/8/2017	66	20
12/4/2017	180	12
4/30/2018	21	2.5
7/9/2018	110	19

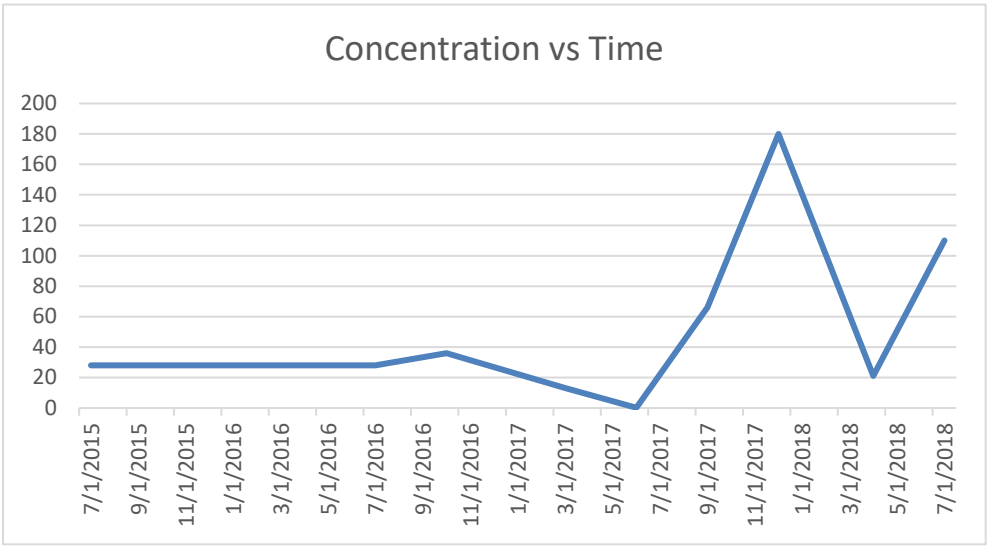


Date	Series 1 Groundwater Elevation
7/7/2015	1225.93
7/11/2016	1225.43
10/17/2016	1227.90
3/22/2017	1226.80
6/1/2017	1227.75
9/8/2017	1224.43
12/4/2017	1224.15
4/30/2018	1225.43
7/9/2018	1224.75

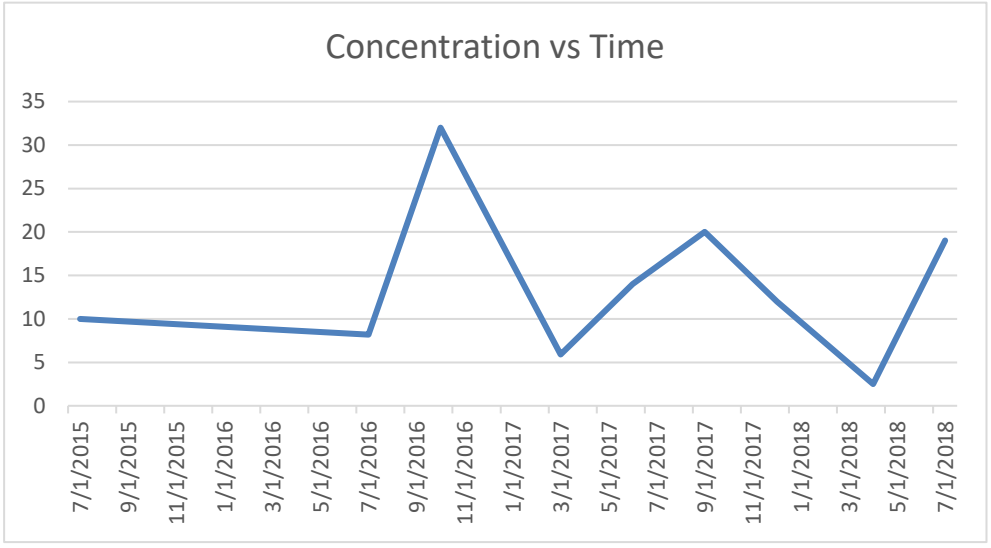


DairiConcepts, Chili, WI - MW-4A - Post Remediation

Date	Series 1 Benzene
7/7/2015	28
7/11/2016	28
10/17/2016	36
3/22/2017	13
6/1/2017	0.18
9/8/2017	66
12/4/2017	180
4/30/2018	21
7/9/2018	110

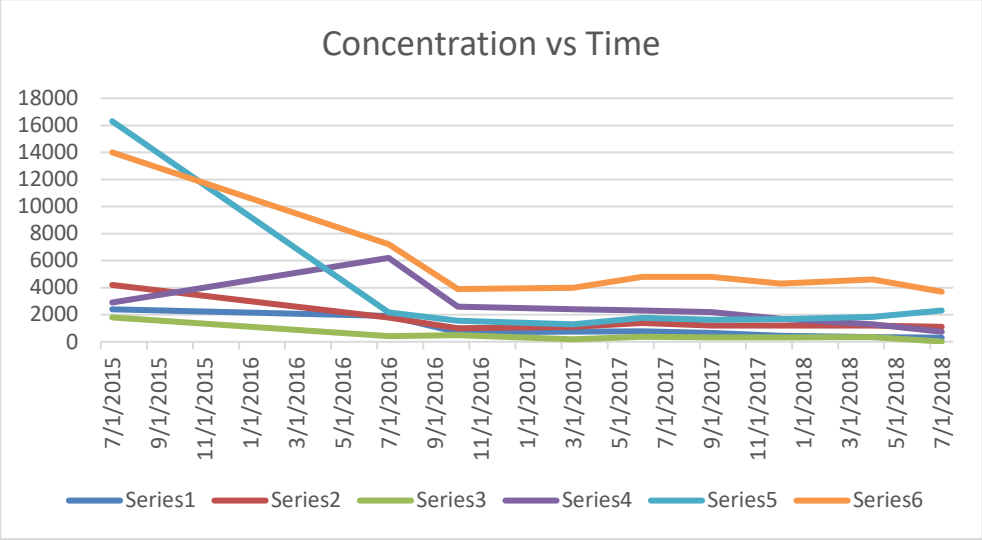


Date	Series 1 Naphthalene
7/7/2015	10
7/11/2016	8.2
10/17/2016	32
3/22/2017	5.9
6/1/2017	14
9/8/2017	20
12/4/2017	12
4/30/2018	2.5
7/9/2018	19

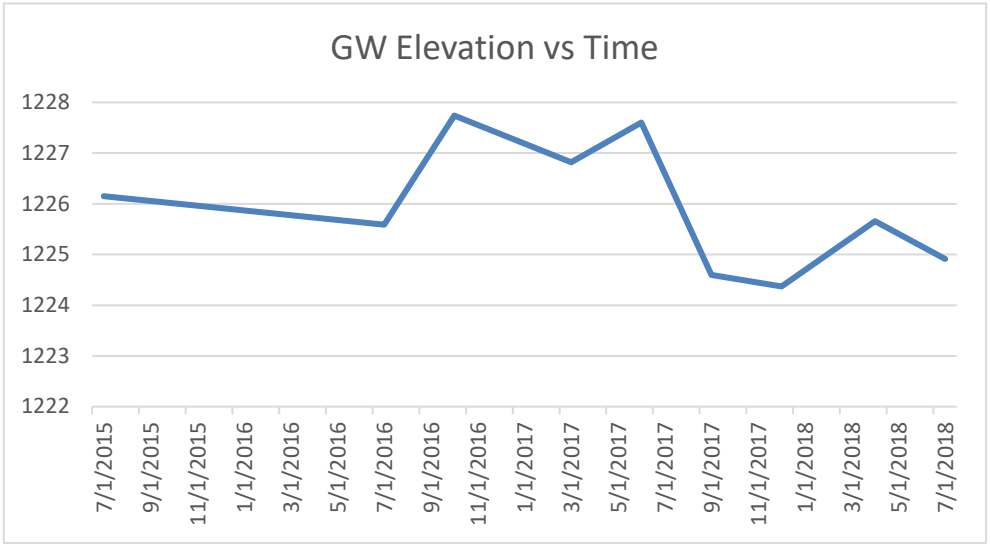


DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

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
9/8/2017	660	1200	320	2200	1620	4800
12/4/2017	450	1200	320	1700	1680	4300
4/30/2018	350	1200	340	1300	1850	4600
7/9/2018	300	1100	14	740	2320	3700

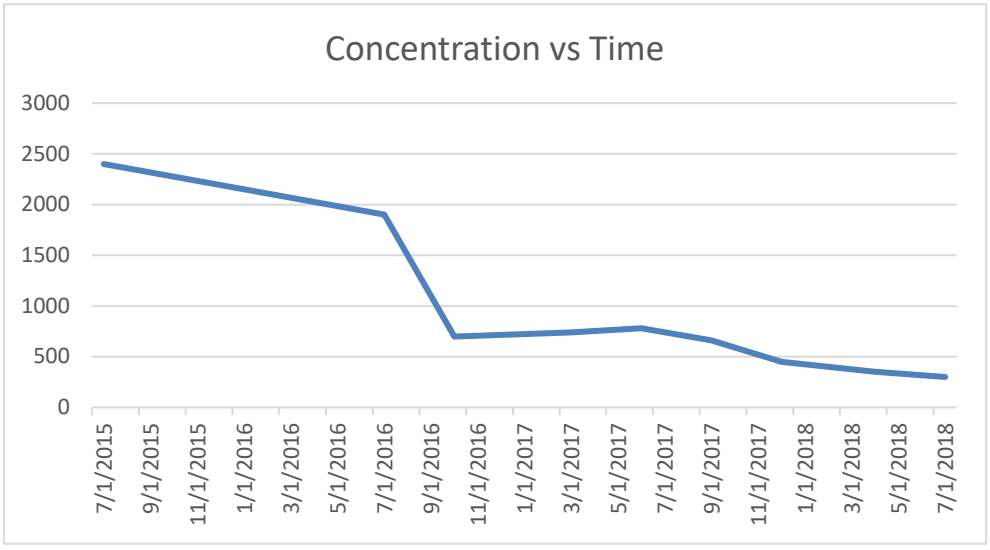


Date	Series 1 Groundwater Elevation
7/7/2015	1226.15
7/11/2016	1225.59
10/17/2016	1227.74
3/22/2017	1226.82
6/1/2017	1227.60
9/8/2017	1224.60
12/4/2017	1224.37
4/30/2018	1225.66
7/9/2018	1224.91

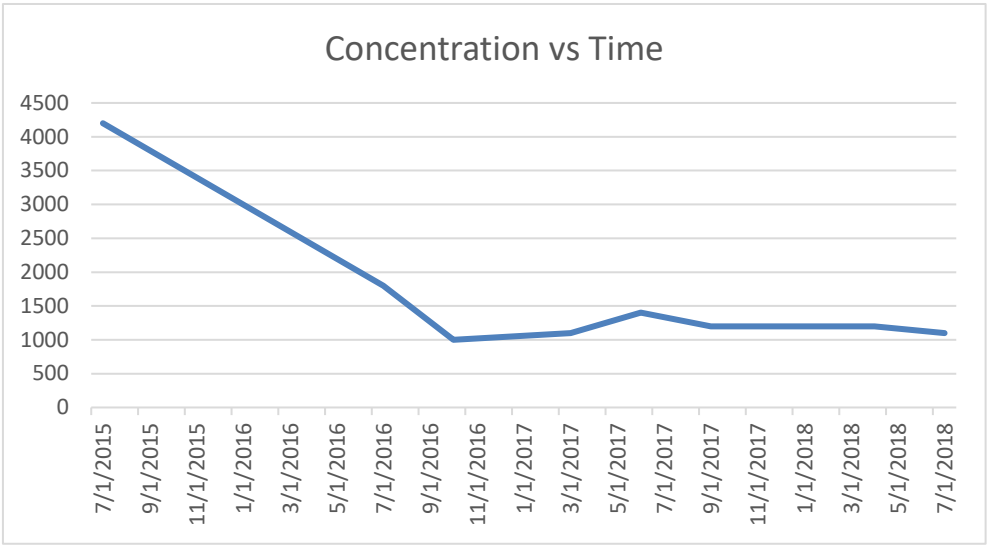


DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

Date	Series 1 Benzene
7/7/2015	2400
7/11/2016	1900
10/17/2016	700
3/22/2017	740
6/1/2017	780
9/8/2017	660
12/4/2017	450
4/30/2018	350
7/9/2018	300

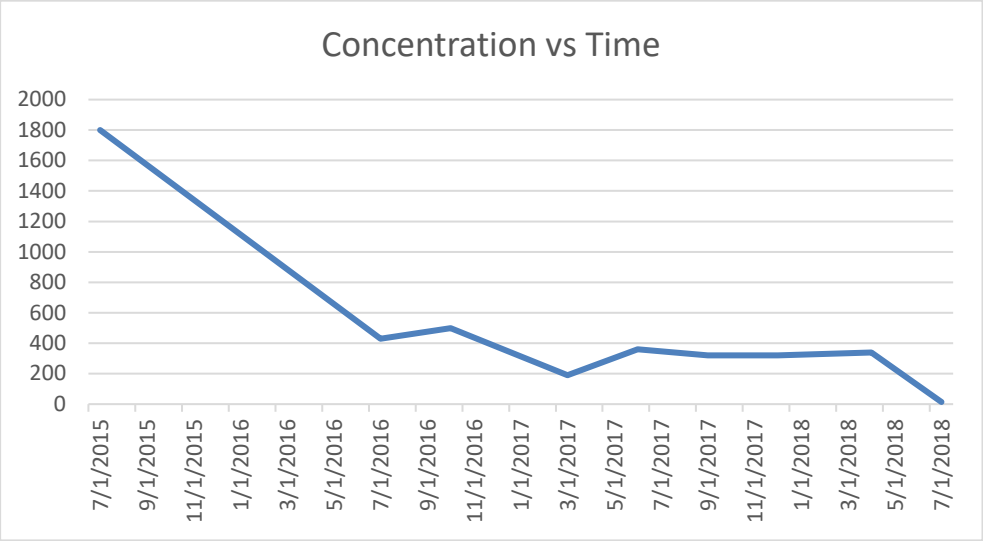


Date	Series 1 Ethylbenzene
7/7/2015	4200
7/11/2016	1800
10/17/2016	1000
3/22/2017	1100
6/1/2017	1400
9/8/2017	1200
12/4/2017	1200
4/30/2018	1200
7/9/2018	1100

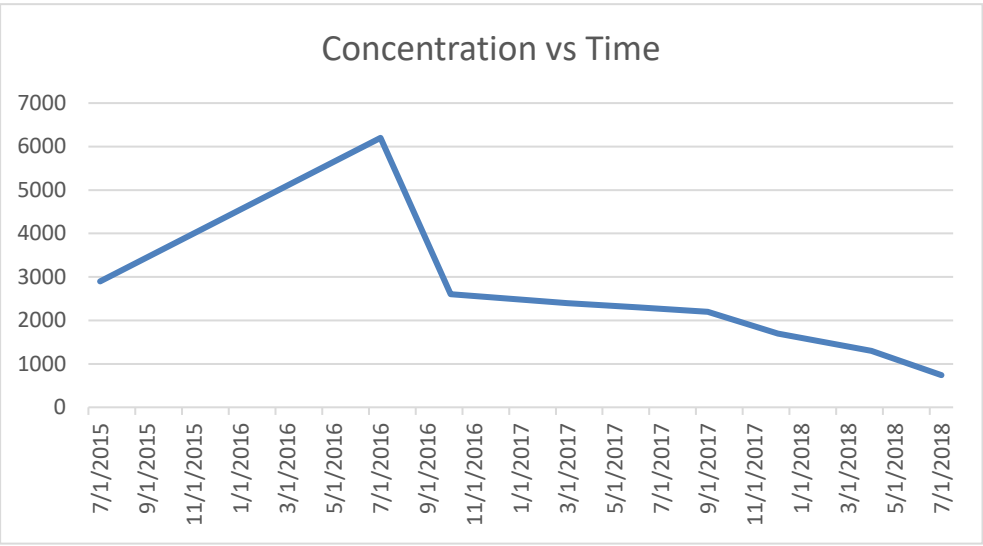


DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

Date	Series 1 Naphthalene
7/7/2015	1800
7/11/2016	430
10/17/2016	500
3/22/2017	190
6/1/2017	360
9/8/2017	320
12/4/2017	320
4/30/2018	340
7/9/2018	14

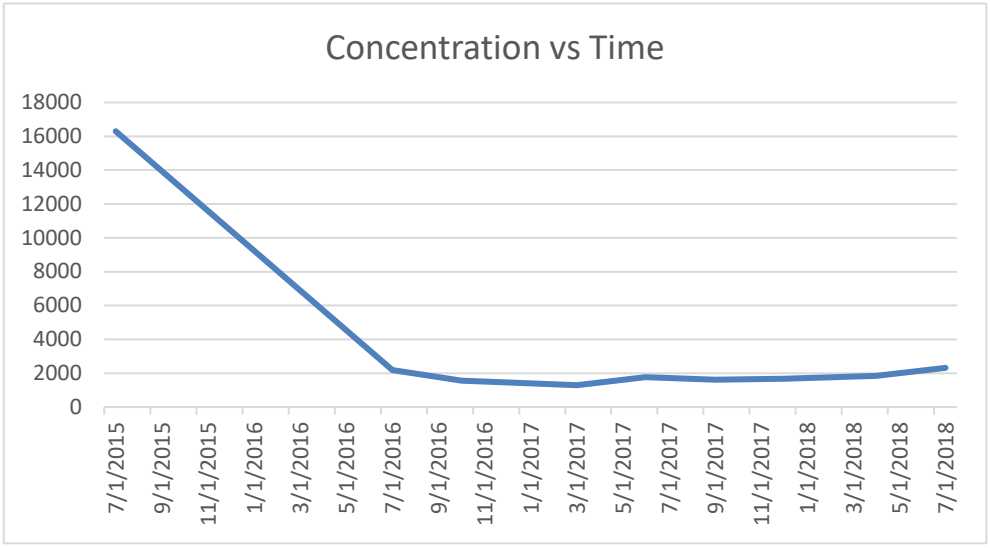


Date	Series 1 Toluene
7/7/2015	2900
7/11/2016	6200
10/17/2016	2600
3/22/2017	2400
6/1/2017	2300
9/8/2017	2200
12/4/2017	1700
4/30/2018	1300
7/9/2018	740

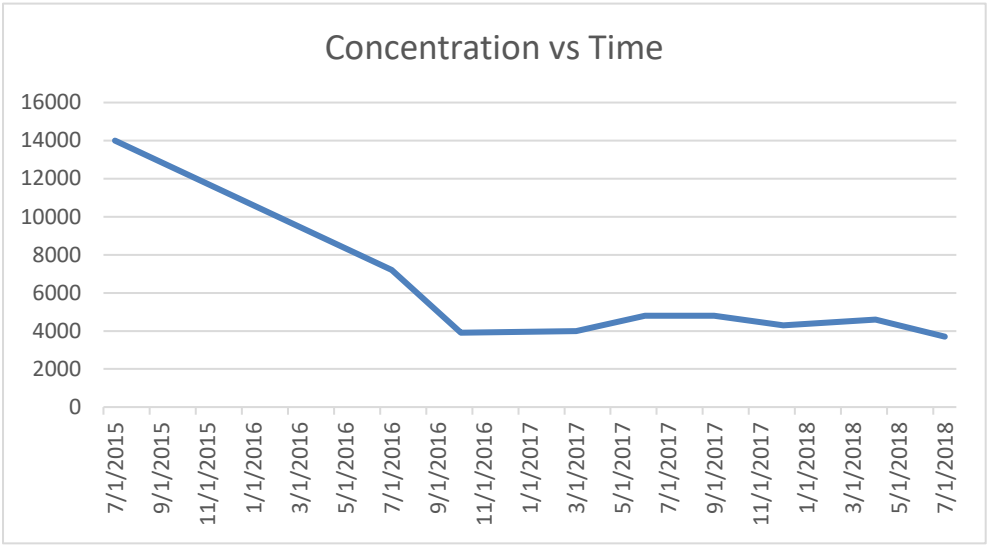


DairiConcepts, Chili, WI - MW-4/4R - Post Remediation

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
9/8/2017	1620
12/4/2017	1680
4/30/2018	1850
7/9/2018	2320

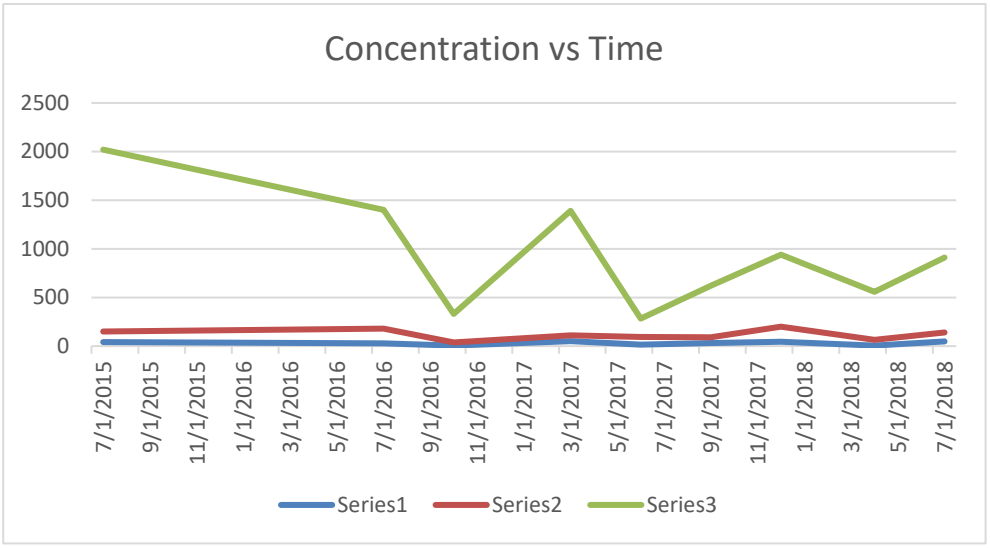


Date	Series 1 Total Xylenes
7/7/2015	14000
7/11/2016	7200
10/17/2016	3900
3/22/2017	4000
6/1/2017	4800
9/8/2017	4800
12/4/2017	4300
4/30/2018	4600
7/9/2018	3700

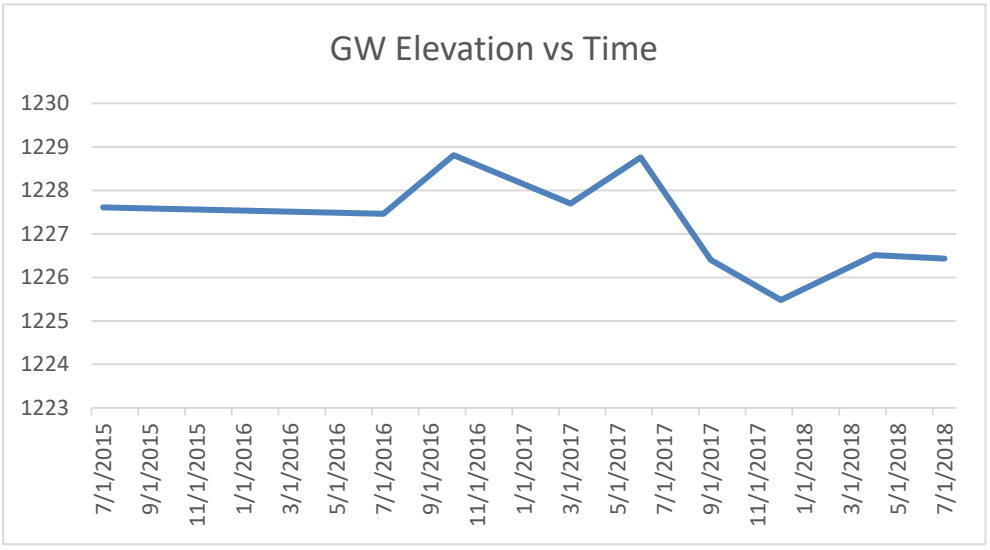


DairiConcepts, Chili, WI - MW-5A - Post Remediation

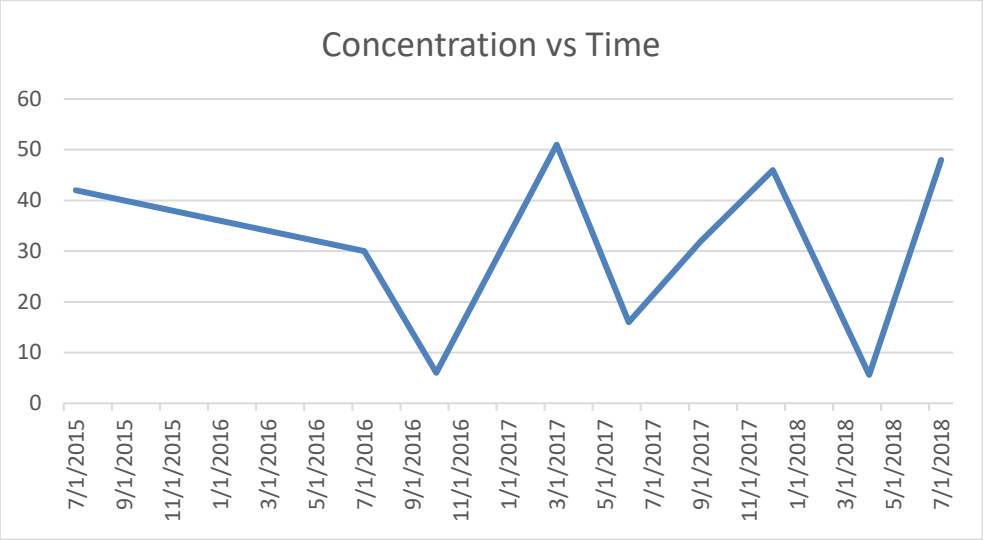
Date	Series 1 Benzene	Series 2 Naphthalene	Series 3 TMB
7/7/2015	42	150	2020
7/11/2016	30	180	1400
10/17/2016	6	38	332
3/22/2017	51	110	1390
6/1/2017	16	96	283
9/8/2017	32	92	620
12/4/2017	46	200	940
4/30/2018	5.6	65	560
7/9/2018	48	140	910



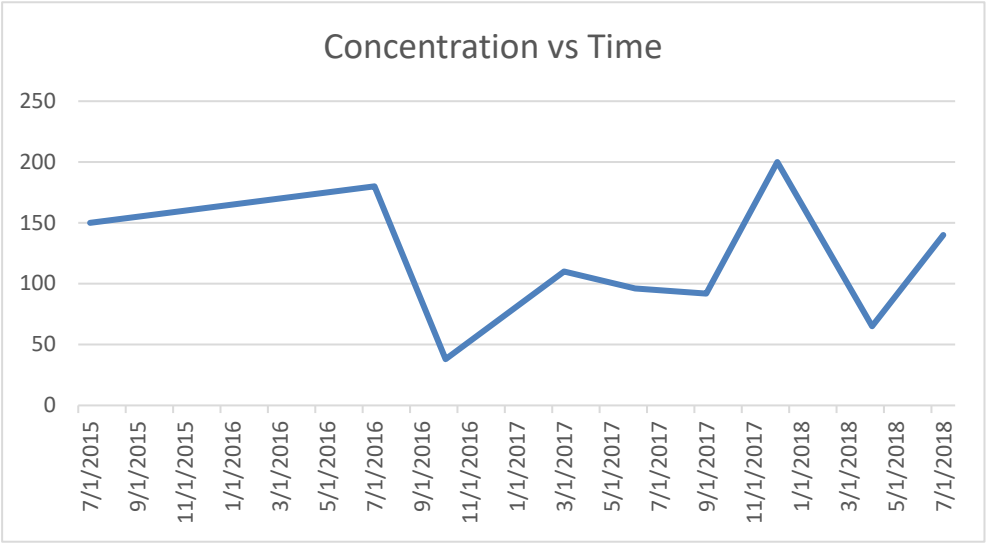
Date	Series 1 Groundwater Elevation
7/7/2015	1227.61
7/11/2016	1227.46
10/17/2016	1228.81
3/22/2017	1227.70
6/1/2017	1228.76
9/8/2017	1226.40
12/4/2017	1225.48
4/30/2018	1226.51
7/9/2018	1226.43



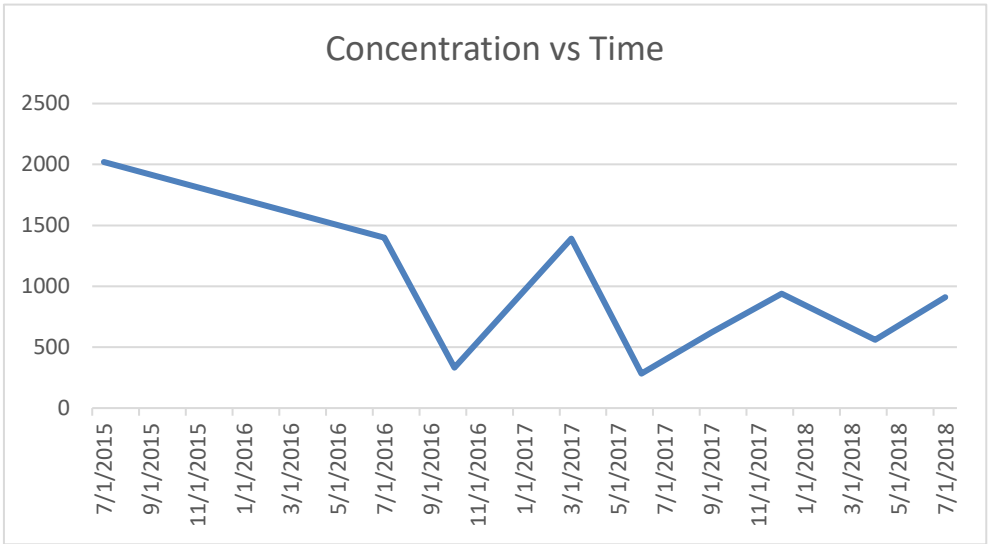
Date	Series 1 Benzene
7/7/2015	42
7/11/2016	30
10/17/2016	6
3/22/2017	51
6/1/2017	16
9/8/2017	32
12/4/2017	46
4/30/2018	5.6
7/9/2018	48



Date	Series 1 Naphthalene
7/7/2015	150
7/11/2016	180
10/17/2016	38
3/22/2017	110
6/1/2017	96
9/8/2017	92
12/4/2017	200
4/30/2018	65
7/9/2018	140

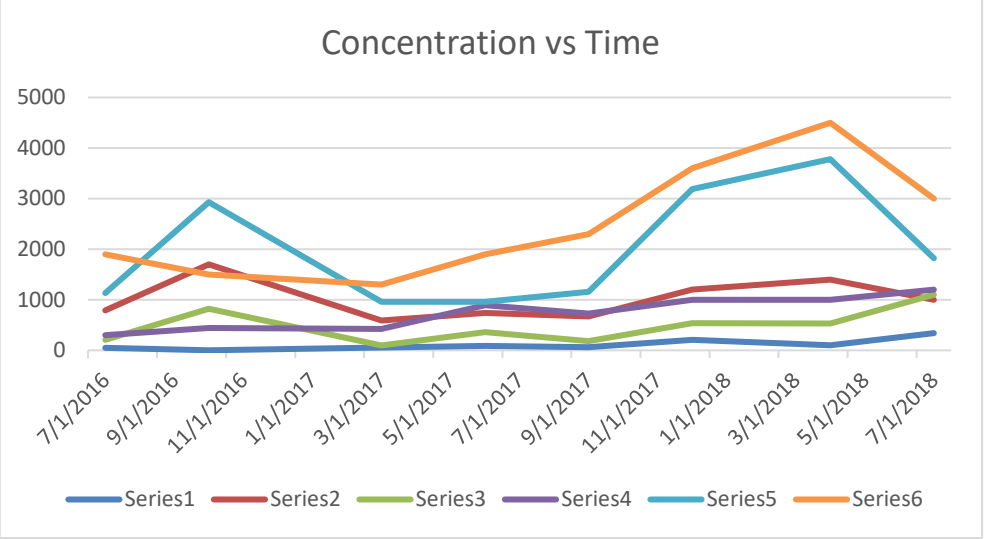


Date	Series 1 TMB
7/7/2015	2020
7/11/2016	1400
10/17/2016	332
3/22/2017	1390
6/1/2017	283
9/8/2017	620
12/4/2017	940
4/30/2018	560
7/9/2018	910

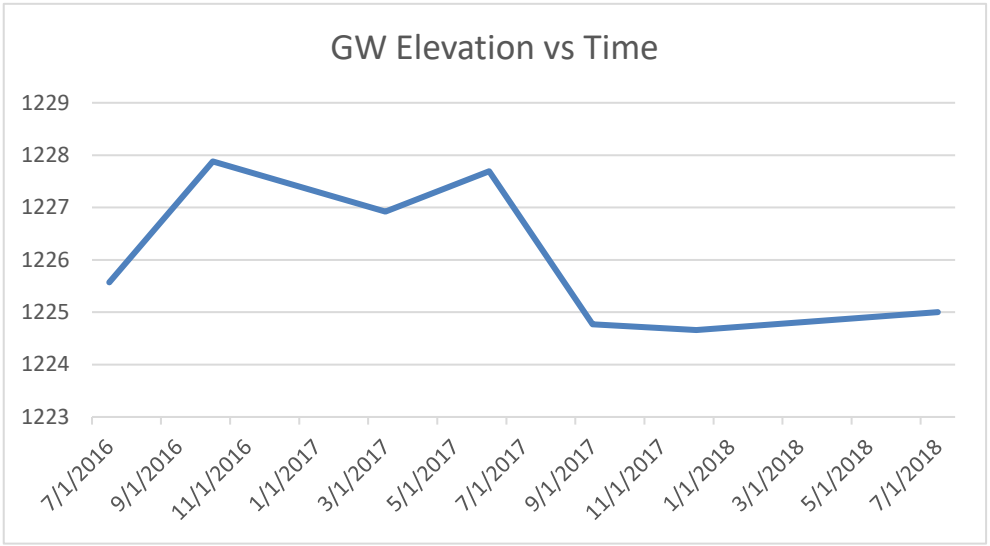


DairiConcepts, Chili, WI - MW-10 - Post Remediation

Date	Series 1 Benzene	Series 2 Ethylbenzene	Series 3 Naphthalene	Series 4 Toluene	Series 5 TMBs	Series 6 Xylenes
7/11/2016	49	790	210	300	1130	1900
10/17/2016	1	1700	820	440	2930	1500
3/22/2017	54	590	97	420	960	1300
6/1/2017	87	740	360	890	960	1900
9/8/2017	64	670	180	730	1160	2300
12/4/2017	210	1200	540	1000	3190	3600
4/30/2018	100	1400	530	1000	3780	4500
7/9/2018	340	1000	1100	1200	1820	3000

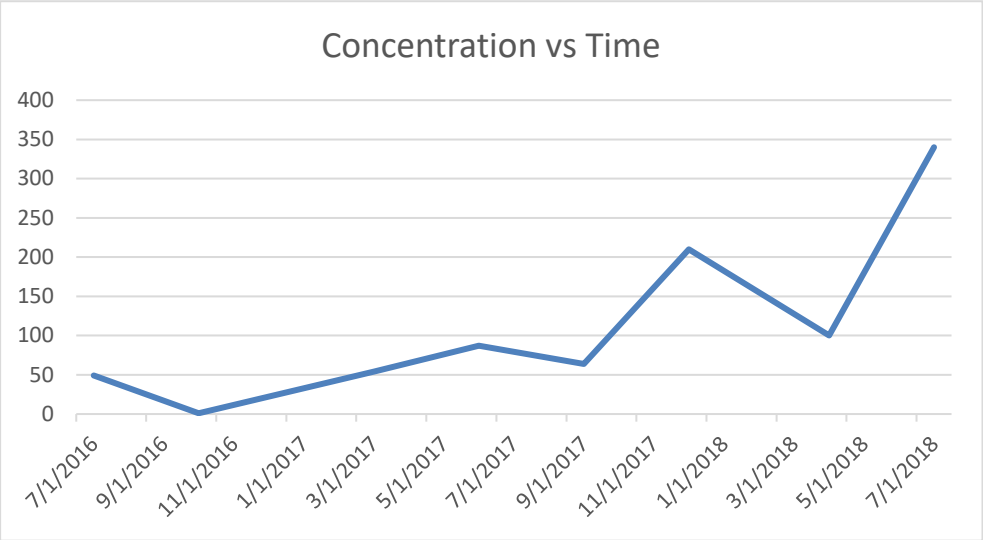


Date	Series 1 Groundwater Elevation
7/11/2016	1225.57
10/17/2016	1227.88
3/22/2017	1226.92
6/1/2017	1227.69
9/8/2017	1224.77
12/4/2017	1224.66
7/9/2018	1225.00

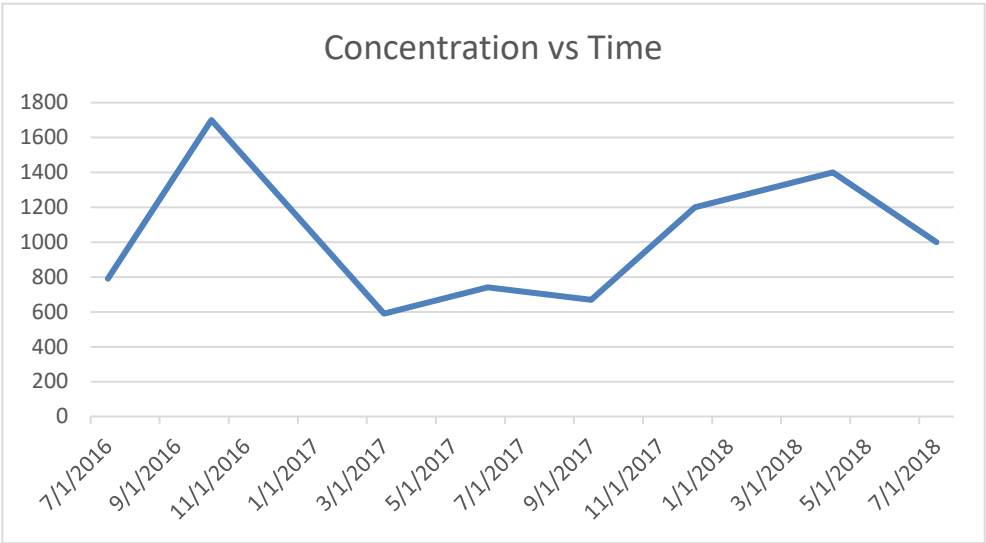


DairiConcepts, Chili, WI - MW-10 - Post Remediation

Date	Series 1 Benzene
7/11/2016	49
10/17/2016	1
3/22/2017	54
6/1/2017	87
9/8/2017	64
12/4/2017	210
4/30/2018	100
7/9/2018	340

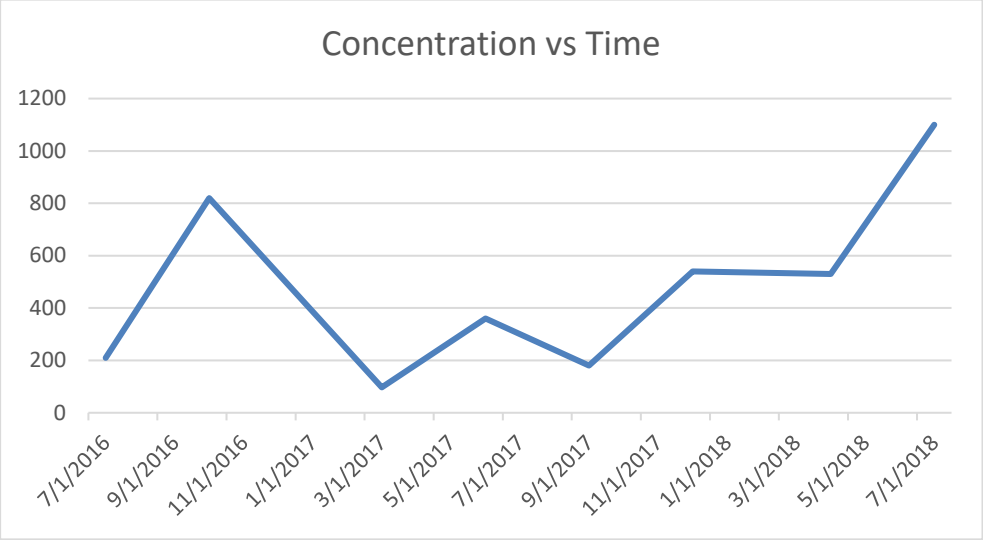


Date	Series 1 Ethylbenzene
7/11/2016	790
10/17/2016	1700
3/22/2017	590
6/1/2017	740
9/8/2017	670
12/4/2017	1200
4/30/2018	1400
7/9/2018	1000

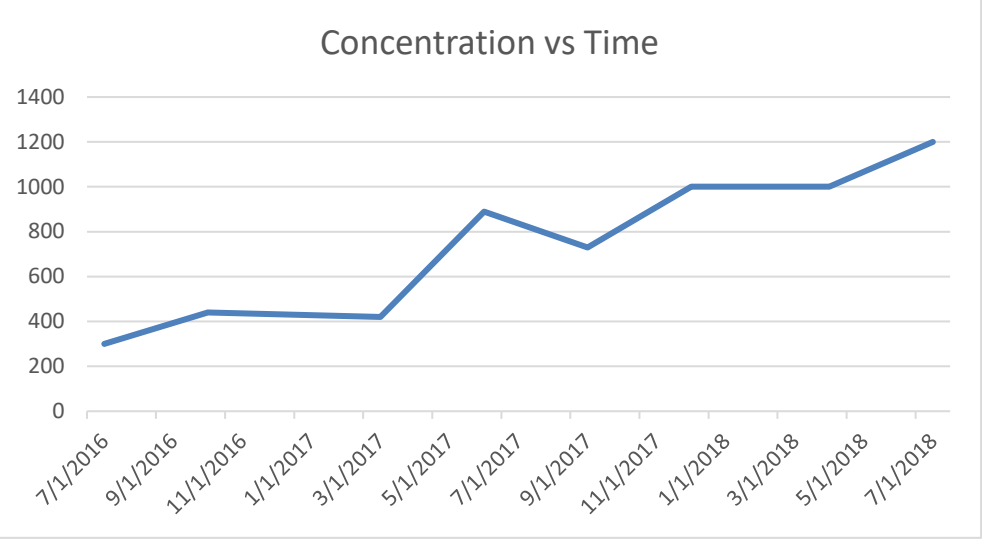


DairiConcepts, Chili, WI - MW-10 - Post Remediation

Date	Series 1 Naphthalene
7/11/2016	210
10/17/2016	820
3/22/2017	97
6/1/2017	360
9/8/2017	180
12/4/2017	540
4/30/2018	530
7/9/2018	1100

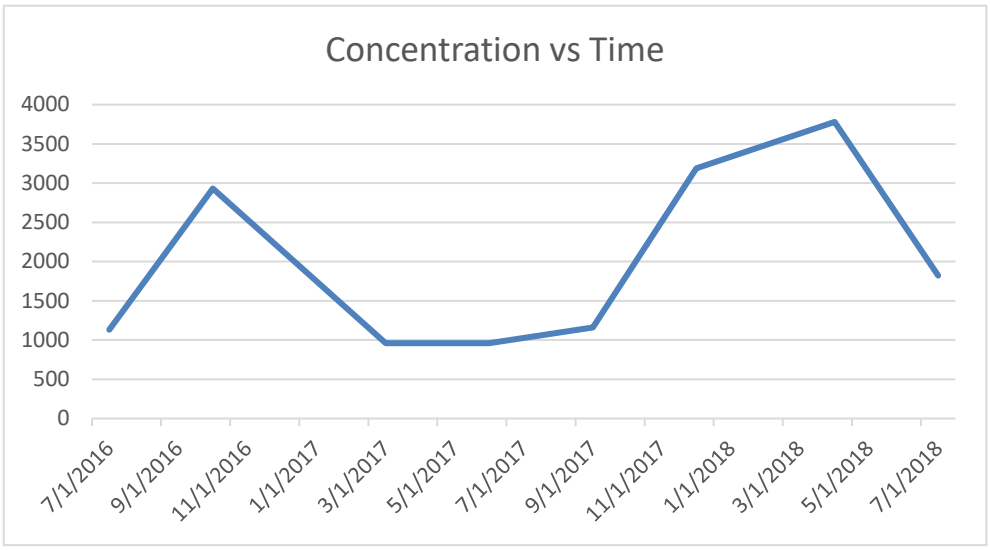


Date	Series 1 Toluene
7/11/2016	300
10/17/2016	440
3/22/2017	420
6/1/2017	890
9/8/2017	730
12/4/2017	1000
4/30/2018	1000
7/9/2018	1200



DairiConcepts, Chili, WI - MW-10 - Post Remediation

Date	Series 1 TMBs
7/11/2016	1130
10/17/2016	2930
3/22/2017	960
6/1/2017	960
9/8/2017	1160
12/4/2017	3190
4/30/2018	3780
7/9/2018	1820



Date	Series 1 Xylenes
7/11/2016	1900
10/17/2016	1500
3/22/2017	1300
6/1/2017	1900
9/8/2017	2300
12/4/2017	3600
4/30/2018	4500
7/9/2018	3000