I M P O R T A N T

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GILES ENGINEERING ASSOCIATES, INC.

Site Investigation Summary and Request for Case Closure

Milwaukee Police Athletic League Facility
2320 West Burleigh Street
Milwaukee, Wisconsin

BRRTS No. 03-41-258967
PECFA No. 53206-17-3321

Prepared for:
The Redevelopment Authority of the City of Milwaukee

February 11, 2013
Project No. 1E-1207002

GILES
ENGINEERING ASSOCIATES, INC.

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GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

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- Orlando, FL

February 11, 2013

Redevelopment Authority
City of Milwaukee
809 North Broadway, 2nd Floor
Milwaukee, WI 53202

Attention: Ms. Tory Kress, P.E., AICP
Senior Environmental Project Coordinator

Subject: Site Investigation Summary and Request for Case Closure
Milwaukee Police Athletic League Facility
2320 West Burleigh Street
Milwaukee, Wisconsin
BRRTS No. 03-41-258967
PECFA No. 53206-17-3321
Project No. 1E-1207002

Dear Ms. Kress:

In accordance with your request and subsequent authorization, we have completed a Site Investigation for the above-referenced property. The findings, conclusions, and recommendations are discussed in detail within the accompanying report.

We appreciate the opportunity to be of service on this project. If there are any questions regarding the information contained herein, or if we can be of any additional service, please contact the undersigned at your convenience.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

Thomas J. Bauman, P.G.
Project Hydrogeologist

Kevin T. Bugel, P.G., C.P.G.
Environmental Division Manager

Distribution: Redevelopment Authority of the City of Milwaukee
Attn: Ms. Tory Kress, P.E., AICP (1 paper copy and 1 electronic copy)
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SITE INVESTIGATION SUMMARY AND REQUEST FOR CASE CLOSURE

MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN
PROJECT NO. 1E-1207002

1.0 INTRODUCTION

Giles Engineering Associates, Inc. (Giles) performed site investigation activities at the property ("Site") located at 2300 West Burleigh Street (formerly known as 2221-2319 West Auer Street) in accordance with Natural Resources Chapter 716 (NR 716) of the Wisconsin Administrative Code (WAC). The investigation activities were performed in response to a *Phase I Environmental Site Assessment (ESA)* prepared by the City of Milwaukee; dated June 19, 2000; review of the Phase I ESA indicated the potential presence of soil and/or groundwater contamination from former land uses of the Site of a former gasoline station, auto trim and an upholsterer. Site investigation activities continued following confirmation of the suspected contamination near the former gasoline station. The environmental services were performed in accordance with our proposals, dated June 30, 2000, and March 20, 2012.

The purpose of this investigation was to evaluate soil conditions and groundwater quality at the Site relative to the Wisconsin Administrative Code (WAC), and to determine the most effective and cost efficient method to remediate this site, if necessary. Important information regarding this geoenvironmental report is enclosed in Appendix A.

2.0 PROJECT BACKGROUND

2.1 Responsible Party Information

City of Milwaukee, Department of City Development
809 N Broadway, 2nd Floor
Milwaukee, WI 53202
Attn: Tory Kress
(414) 286-8268

2.2 Consultant Information

Giles Engineering Associates, Inc.
N8 W22350 Johnson Road, Suite A-1
Waukesha, Wisconsin 53186
Attn: Mr. Thomas J. Bauman, P.G.
(262) 544-0118

2.3 Site Location

The Site is located at the northeast corner of West Burleigh Street and North 24th Street and was historically referenced by the street address of 2221 – 2319 West Auer Street, in the City of Milwaukee, Milwaukee County, Wisconsin. The Site was redeveloped, and issued a new address of 2320 West Burleigh Street. The Site is located in the southeast one-quarter of the southwest one-quarter of U.S. Public Land Survey Section 7, Township 7 North, Range 22 East, with the Wisconsin Transverse Mercator (WTM 91) coordinates of 687540, 2912370. The location of the Site is shown on Figure 1.

2.4 Site Description

The Site is currently occupied by the Children's Outing Association (COA) and is operated as a Youth and Family Center. Municipal water and sewer is provided by the City of Milwaukee. Site topography is relatively flat-lying; however, the Site is approximately 4 feet higher in elevation with respect to the adjacent roadways. The Site is bordered by West Burleigh Street to the south, North 24th Street to the west, the Auer Elementary Grade School to the north, and Moody Park to the east. Site features are shown on Figure 2.

2.5 Project History

The *Phase I Environmental Site Assessment (ESA)* report, dated June 19, 2000, prepared by the City of Milwaukee Health Department and Department of City Development, indicates that the Site originally consisted of 35 individual parcels, which covered an area of approximately 5.88 acres. Specifically, the address formerly known as 3104 North 24th Street, which is part of the Site, was a former gasoline station and the property formerly known as 3126 North 24th Street was occupied by auto trim and an upholsterer. These two properties raised potential environmental concern; therefore, the City of Milwaukee recommended conducting Phase II ESA of the referenced properties. Giles subsequently completed a Phase II ESA on the two properties.

On September 6, 2000, Giles notified the WDNR of the release. On September 26, 2000, the WDNR issued a letter notifying the City of Milwaukee of their obligation to restore the environment under Section 292, Wisconsin Statutes, known as the hazardous substances spills law. On October 26, 2000, UST registrations for a 1,000-gallon UST (Registration No. 770778), a 1,000-gallon UST (Registration No. 770784), and a 1,000-gallon UST (Registration No. 770785) were submitted to the Wisconsin Department of Safety and Professional Services (DSPS). The three USTs contained leaded gasoline. Also, it should be noted the UST size for, Registration No. 770778, is listed on the database incorrectly as 1,111 gallons.

3.0 INVESTIGATION METHODS

3.1 Potential Contaminant Receptors and Migration Pathways

Giles investigated potential contaminant receptors and migration pathways to determine risk to human health or the environment. Locations of underground utilities on and proximate to the property were documented. Observations regarding the proximity of water supply wells, surface water, wetlands, basements, and direct contact or inhalation risks were also evaluated. These factors, which are discussed in Section 4.1, help determine whether active or passive remediation is warranted.

3.2 Magnetometer Survey

3.2.1 Magnetometer Methods

On August 6, 2000, a magnetometer survey was performed on the entire Site. The survey instrument consisted of an EG & G Geometrics G856 Proton Precession Magnetometer, calibrated to the local magnetic field. The survey was conducted by walking north to south lines across the entire site and stopping every ten feet to obtain a reading. The traverse lines were separated by ten feet east to west across the grid area.

The field data was downloaded onto Geometrics Magloc® software for processing and contoured using Golden Software Surfer® programs.

3.2.2 Magnetometer Survey Results

Several magnetic anomalies were detected throughout the Site. The anomalies were attributed to light poles, metal fencing and metal bleachers. The detected magnetic anomalies could be attributed to one of the previously mentioned metal containing objects. Therefore, no unknown anomalies were encountered on the Site.

3.2.3 Magnetometer Survey Limitations

The magnetometer survey does not guarantee or assure the presence or absence of USTs or buried drums on the Site. Depending upon site features, the science behind magnetometer surveys provides no more than an 85% probability of correctly identifying a UST or buried drum.

A magnetometer functions as a total field sensor, which detects vertical and horizontal magnetic field components. The magnetic anomaly produced by a ferrous metal object (i.e. iron or steel) will depend upon the object's size, depth, and degree of oxidation or rust. Non-ferrous metals, fiberglass, and significantly rusted USTs and drums may not yield any magnetic anomaly.

Magnetic fields and anomalies typically associated with USTs or buried drums may also be masked or significantly altered beyond identification by other magnetic anomalies produced by natural or man-made features. Natural features known to cause magnetic anomalies include: iron rich soil and rock, local variances in soil types (native vs. fill) and magnetic storms. Man-made features which

cause magnetic anomalies include: buildings, rebar containing structures, metal signs and billboards, metal outdoor lighting poles, automobiles, scrap-iron, chain-link fencing, ferrous buried/surface debris, and underground/aboveground utilities. Areas surveyed within twenty feet of man-made structures or other observable objects are considered unreliable and no definite conclusions can be attained.

3.3 Subsurface Exploration

On August 8th, 2000, eight soil borings (B1 thru B8) were advanced using direct-push sampling techniques to depths ranging from 16 to 18 feet below the ground surface (bgs). Temporary wells were installed in soil borings B1, B3, B4, B6 and B7 to evaluate groundwater quality. Soil borings B-1 thru B-5 and B-8 were completed on the former 3104 N 24th Street (former gasoline station) property, and soil borings B-6 and B-7 were completed on the former 3126 North 24th Street (former auto trim and upholsterer property. Based on the results of the Phase II ESA, petroleum impacted soil and groundwater was identified on the former gasoline station property that required further investigation. Subsequently, four WAC NR 141 compliant groundwater monitoring wells (MW1 thru MW4) were installed at the area of the former gasoline station property on September 8, 2000, to obtain representative groundwater samples and to determine local hydrogeologic characteristics. A NR 140 preventive action limit (PAL) and an enforcement standard (ES) exceedance was detected in the groundwater sample collected from monitoring well MW2.

During 2002, MW1 through MW4 were abandoned because of construction associated with the Milwaukee Police Athletic League Facility (now occupied by a COA Youth and Family Center). On January 10th and 15th, 2003, three replacement wells (MW1R through MW3R) were installed on-site and three monitoring wells (MW5, MW6 and MW7) were installed off-site. The locations of the soil borings and monitoring wells are shown on Figure 2.

Soil borings were advanced by a GeoProbe with a 1-inch inside diameter probe at 2-foot continuous sampling intervals to the maximum depths explored. The groundwater monitoring wells were advanced with a conventional hollow stem auger (HSA) drill rig in accordance with ASTM procedures. The drilling equipment arrived on the Site properly cleaned, and all drilling equipment was cleaned between sampling intervals and boring locations to reduce the potential for cross contamination. Borehole logs were completed in conformance with ASTM 2488. The soil boring logs included the soil type, gradation, color, and moisture content. Copies of the soil boring logs (Records of Subsurface Exploration) are included in Appendix B. The elevations shown on the soil boring logs were determined using conventional instrument level survey techniques referenced to the temporary benchmark indicated on Figure 2 (bottom flange of fire hydrant) and are considered accurate to within 0.01± foot.

3.4 Groundwater Monitoring Well Installation Methods

The groundwater monitoring wells were constructed using 2-inch inside diameter (I.D.) schedule 40 PVC screens and riser piping, and extended to depths of 15 to 20 feet below the ground surface. The wells were fitted with steel standup or flush mounted protective covers, and constructed, developed, purged, and sampled in accordance with procedures outlined in WAC, Ch. NR 141.

Copies of the Monitoring Well Construction Forms (WDNR Form 4400-113A) and WDNR Monitoring Well Development Forms (WDNR Form 4400-113B) are included in Appendix C.

Soil cuttings generated during the installation of the groundwater monitoring wells were collected in 55-gallon drums, labeled, and disposed of at Orchard Ridge Landfill under the waste profile number BIO 489443. A copy of the waste manifest for the soil cuttings generated during the installation of the groundwater monitoring wells is included in Appendix D.

3.5 Borehole and Monitoring Well Abandonment

Upon completion of the drilling activities, all soil borings which were not converted to groundwater monitoring wells were properly abandoned in accordance with Ch. NR 141 by filling them with bentonite to the ground surface. Groundwater monitoring wells MW1R, MW2R and MW3R were also abandoned in similar fashion prior to construction activity on the Site. WDNR Borehole/Monitoring Well Abandonment Forms (WDNR Form 3300-5B) for each of the abandoned borings/monitoring wells are presented in Appendix E.

3.6 Soil Sample Collection and Analysis

A portion of each soil sample was screened for organic vapors, with a 10.6 eV photoionization detector (PID) calibrated to a benzene equivalent standard. The organic vapor scan is a screening method used to assess the presence of organic vapor emissions and the necessity for further exploration and chemical analysis. The sample containers were filled half full, covered with Teflon-lined lids, and allowed to equilibrate prior to the vapor scans. The appearance of the soil samples and any incidental odors were also noted during field screening. The remaining sample was described by our personnel and stored in sample containers for final description and/or subsequent analysis.

PID results were reviewed and used in selecting samples for laboratory analyses. Select soil samples were submitted for gasoline range organic (GRO) (Method WDNR modified GRO), diesel range organic (DRO) (Method WDNR modified DRO), volatile organic compounds (VOC) (Method EPA 8260) and lead analyses (Method EPA 6010). The soil samples were analyzed at APL, Inc. Milwaukee, Wisconsin (WDNR Certification No. 241340550).

For the GRO, DRO and VOC analyses, approximately 25 grams of soil were added to tarred, 2-ounce glass jars and sealed with Teflon lined lids. Approximately 25 milliliters (ml) of laboratory grade methanol was added for the GRO and VOC analyses. For lead analysis, approximately 50 grams of soil was placed in a non-preserved jar. The jars were immediately placed on ice in a cooler. In addition, a methanol trip blank was also submitted and analyzed for VOCs to serve as a quality assurance check. The soil sample collection, storage, and transportation were performed in general accordance with ASTM and WDNR specifications and followed standard "chain-of-custody" requirements.

3.7 Groundwater Sample Collection and Analysis

A 10-foot section of slotted ½ inch inside diameter (I.D.) PVC pipe and a 10-foot section of solid PVC riser were placed in geoprobe soil boring B1, B3, B4, B6 and B7, to facilitate the collection groundwater samples to provide a preliminary evaluation of the groundwater quality. One-quarter inch I.D. plastic tubing was used to purge the temporary wells prior to groundwater sampling. Collection of groundwater samples from temporary wells is not intended as a substitute for sampling groundwater from a permanent monitoring well installed in accordance with WDNR requirements.

VOCs were detected above applicable WAC NR 140 WDNR Preventive Action Limits (PAL) in the groundwater samples collected from B1 and B3. Therefore, Ch. NR 141 compliant groundwater monitoring wells (MW1 through MW7 and MW1R through MW3R) were installed to obtain representative groundwater samples and define the extent of contamination. The permanent groundwater monitoring wells were constructed of 2 inch I.D. PVC and extended to approximately 14.5 to 20 feet bgs.

The groundwater monitoring wells were developed, and purged with disposable polyethylene bailers, in general accordance with Ch. NR 141 methods. The WDNR Monitoring Well Development Forms 4400-113B are included in Appendix C.

The groundwater samples were collected with new disposable polyethylene bailers during each sampling event and submitted to APL, Inc. for analysis of VOCs (EPA Method 8260) or petroleum volatile organic compounds (PVOCs) (EPA Method 8021), and dissolved Lead (EPA Method 200.7) analyses. VOC and PVOC groundwater samples were collected in laboratory-approved 40 mL glass vials, preserved with hydrochloric acid (HCL). In addition to the collected groundwater samples, trip and field blanks were also analyzed for VOCs/PVOCs. Dissolved lead groundwater samples were field filtered into a 250 mL plastic container, preserved with nitric acid (HNO_3). The groundwater collection, storage, and transportation were performed in general accordance with ASTM and WDNR specifications and followed standard "chain-of-custody" requirements.

The static water levels were measured with an electronic groundwater level indicator. Depth to groundwater measurements were taken prior to groundwater sampling. Natural attenuation field measurements including temperature, dissolved oxygen, oxidation-reduction potential, specific conductance and pH were collected during each sampling event. The instruments were rinsed in a water and alconox solution, rinsed in tap water, and again rinsed in distilled water prior to downhole placement. The monitoring well elevations were established to an arbitrary benchmark, the top flange of the fire hydrant near the northeast corner of West Burleigh Street and North 24th Street.

Groundwater development and purge water was disposed of at Waukesha Waste Water Treatment Plant. The groundwater disposal documentation is enclosed in Appendix D.

4.0 INVESTIGATION RESULTS

4.1 Potential Contaminant Receptors & Migration Pathways

No surface body waters or wetlands were observed in the vicinity of the Site. No known underground utility trenches exist on-site in the vicinity of the contamination. Other underground utilities are located within the adjacent roadways. No other potential receptors or migration pathways were observed. No potable wells are known to exist on the Site or on the adjacent properties.

4.2 Subsurface Conditions

4.2.1 Soil Conditions

Twelve inches of concrete was present at MW5 and about 6 to 18 inches of silty clay topsoil fill was present at the surface of the remaining boring locations. Existing fill and possible fill material consisting of silty clay and clayey silt was encountered at all boring locations extending to depths of approximately 4 to 6½ feet bgs. However, the fill material encountered within B3 consisted of silty sand and gravel and extended to a depth of approximately 13 feet bgs and is indicative of the former underground storage tank (UST) basin associated with the former gasoline station. The underlying native soil generally consisted of silty clay and clayey silt to at least 20 feet below the ground surface, the maximum depth explored. Interbedded layers of sandy silt and silty sand were present in most of the boring locations below a depth of 6½ to 9 feet bgs and extended to about 13 to 20 feet bgs. Petroleum odors were observed within the soil samples collected from B1, B3, MW2, MW2R, and MW3. Cross-sections illustrating the soil stratigraphy of the Site are included on Figures 3, 4, and 5. Detailed soil descriptions are included on the soil boring logs in Appendix B.

4.2.2 Groundwater Conditions

Groundwater was encountered at depths of 8 to 13 feet bgs during the drilling activities. Groundwater was present in the monitoring wells, ranging from 5.38 to 18.05 feet (elevations 676.80 to 667.38 feet mean sea level) bgs relative to the established benchmark. Based on the observed water levels, soil coloration, and apparent moisture content of the collected soil samples, the water table was considered to exist between depths of 6 to 18 feet bgs. Soils from the Site are inferred to have a range of hydraulic conductivity values from 10^{-4} to 10^{-6} centimeters per second, and are therefore considered permeable. The average hydraulic gradient is 0.22 feet per foot across the Site. Based on the water elevations, groundwater flow was determined to be in a south to southeast direction. Static water level measurements and relative groundwater elevations are included in Tables 1 and 2. A groundwater table contour map generated from the May 7, 2003 static water level measurements is included as Figures 6.

4.3 Soil Chemical Analytical Results

PID readings of 565 to 2,000 instrument units were measured in the soil samples collected from B1 (12 to 14 feet) and B3 (12 to 14 feet). Slight to moderate levels of organic vapors (3 to 22 instrument units) were measured in the soil samples collected from B3 (14 to 16 feet), MW2 (10 to

12 feet), and MW3 (10 to 12 feet). Organic vapors ranged from 175 to 480 instrument units in MW2R from 6 to 12 feet. No organic vapors were detected in the soil samples collected from the remaining soil boring locations. Organic vapor scan results are shown on the soil boring logs, included in Appendix B.

GRO was detected in the soil sample collected from MW2 (6 to 8 feet bgs), MW3 (8 to 10 feet bgs), and MW5 (5 to 7 feet bgs). Additionally, DRO concentrations were detected within all soil samples submitted for chemical analysis. These GRO and DRO concentrations are below the generic NR 720 residual contaminant level (RCL) for protection of groundwater.

Lead was detected in soil samples submitted for lead analysis. The detected lead concentrations are below the NR 720 RCL for the direct contact non-industrial pathway.

VOCs/PVOCs were detected in the soil samples collected from B1 (12 to 14 feet), B3 (12 to 14 feet), and MW2 (6 to 8 feet). Ethylbenzene and total xylene concentrations detected in the soil sample from B3 (12 to 14 feet) exceed their respective RCLs for protection of groundwater. Benzene was detected in soil samples from B2 (8 to 10 feet) and MW2 (6 to 8 feet) exceeding the WDNR RCL for protection of groundwater. Soil analytical results are summarized in Table 3. Soil analytical results are also presented on Figure 7. The soil laboratory analytical reports and chain-of-custodies are included in Appendix F.

4.4 Groundwater Chemical Analytical Results

Trimethylbenzene, benzene, ethylbenzene, and naphthalene concentrations detected within groundwater from temporary wells installed in B1 and/or B3 exceed their respective NR 140 enforcement standards (ES) and/or preventive active limits (PALs). Subsequently, four groundwater monitoring wells (MW1 thru MW4) were installed to confirm the presence of the detected VOCs. During the first groundwater sampling event (September 13, 2000) groundwater analytical results from MW2 and MW3 confirmed that benzene concentrations exceeded the NR 140 ES and/or PAL, and 1,2-dichloroethane (DCA) and trimethylbenzene concentrations exceeded their NR 140 PALs. No VOC compounds were detected above the laboratory detection limit and/or WDNR PAL in the remaining groundwater samples during the first groundwater sampling event (September 13, 2000).

The dissolved phase groundwater contaminant plume was not defined to the south beneath the West Burleigh Street right-of-way. Therefore, MW5 was installed in the sidewalk, to the south of MW2, in October 2000. Groundwater samples were collected from the groundwater monitoring well network (MW1 thru MW5) on a quarterly basis between February 2001 and December 2001. Benzene was detected in groundwater samples from MW2, MW3 and MW5, at concentrations above the NR 140 ES and/or PAL. Naphthalene was detected in MW1 and MW3 at concentrations above the NR 140 ES and/or PAL. Trimethylbenzene was detected in MW2 at concentrations above the NR 140 PAL.

Dissolved lead was detected in groundwater collected from MW2, MW3, MW4 and MW5 at concentrations above the NR 140 ES and/or PAL.

During 2002, MW1, MW2, MW3 and MW4 were abandoned because of construction activity on the Site. During January of 2003, MW1R through MW3R were reinstalled on-site. Two additional monitoring wells MW6 and MW7 were installed in the Burleigh Street right-of-way south of the property. On January 31, 2003 and May 7, 2003, the network of groundwater monitoring wells was sampled. Benzene was detected in MW2R and MW5 at concentrations above the NR 140 ES. Relatively low PVOC concentrations were detected in the groundwater at MW3R, below respective NR 140 PALs. No concentrations of PVOCs were detected above the laboratory method detection limit in groundwater collected from MW1R, MW6 and MW7.

Dissolved lead was not detected in the groundwater collected from MW1R, MW2R, MW3R, MW5, MW6 and MW7. Groundwater analytical results are summarized on Table 4, and on Figure 8. Groundwater laboratory analytical reports and chain-of-custodies are included in Appendix G.

In-situ field indicator parameters were collected during each sampling event. Dissolved oxygen, oxygen-reduction potential, specific conductance and temperature were recorded. The field parameters do not show distinct trends. The in-situ field indicator parameters are summarized on Table 5.

5.0 RISK SCREENING EVALUATION

In order to develop site specific risk screening criteria, and to facilitate site remediation and case closure, the WDNR promulgated WAC Chapter NR 746. NR 746 and the identical Wisconsin Department of Commerce (Commerce) Comm 46 incorporate changes to the NR 700 series, and lists criteria required for case closure. NR 746.06(2) lists the following risk screening criteria to determine whether the site may be eligible for closure:

a) <u>None</u> of the following environmental factors are present at the site:

1. Documented expansion of a plume margin.

2. Verified contaminant concentration in a private or public potable well that attains or exceeds the preventive action limit.

3. Contamination within bedrock or within one meter of bedrock.

4. Petroleum product that is not in dissolved phase is present with a thickness of 0.01 feet or more, and has been verified by more than one sampling event.

5. Documented contamination discharges to a surface water or wetland.

b) No soil contamination is present at the site that exceeds any of the soil screening levels in Table 1.

Table 1	
Substance	Soil Screening Levels
Benzene	8.5 mg/kg
1,2 DCA	0.6 mg/kg
Ethylbenzene	4.6 mg/kg
Toluene	38.0 mg/kg
Xylene	42.0 mg/kg
1,2,4-Trimethylbenzene	83.0 mg/kg
1,3,5-Trimethylbenzene	11.0 mg/kg
Naphthalene	2.7 mg/kg

c) There is no soil contamination within 4 feet of the ground surface that exceeds any of the direct contact soil contaminant concentrations for the substances listed in Table 2.

Table 2	
Substance	Soil Screening Levels
Benzene	1.10 mg/kg
1,2 DCA	0.54 mg/kg

d) For substances not listed in Table 2 that are present within four feet of the ground surface and have been approved by the agency with administrative authority for the site as contaminants of concern as defined in NR 720.03 (2), any potential human health risk from direct contact has been addressed.

e) Except for the substances listed in Table 2, there is no human health risk from direct contact for a substance listed in Table 1, if the substances concentration is below the Table 1 soil screening level.

f) No release of a petroleum product to the soil or groundwater at the site has occurred within the last 10 years.

No City of Milwaukee records were found that verify the removal of the underground storage tanks (USTs) associated with the former gasoline station. However, review of air photography of the Site has an apparent gasoline station structure on the Site in 1967, and no structure in 1970.

g) There is no evidence of migration of petroleum product contamination within a utility corridor or within a permeable material or soil along which vapors, free product or contaminated water may flow.

Sewer plans were reviewed to determine the invert depth and utility piping slope directions of the combined sewers in the adjacent Burleigh and 24th Street right-of-ways. The invert depth of the sewer located beneath North 24th Street has an estimated invert depth of 15 feet bgs, with a slope to the south. The invert depth of the sewer located beneath West Burleigh Street has an estimated depth of 12 feet bgs and is slopes to the west. The groundwater flow direction is to the south, and it is possible the dissolved phase plume of groundwater contamination intersects the backfill of the combined sewer line in West Burleigh Street.

h) There is no evidence of migration or imminent migration of petroleum product contamination to building foundation drain tile, sumps, or other points of entry into a basement or other enclosed structure where petroleum vapors could collect and create odors or an adverse impact on indoor air quality or where the contaminants may pose an explosion hazard.

The structure on the Site is located upgradient of the contamination. Additionally, soil collected from Boring B8, beneath the edge of the building was not impacted with petroleum. Therefore, residual petroleum impact at the Site is not likely to create odors or an adverse impact on indoor air quality.

i) No enforcement standard is exceeded in any groundwater within 1,000 feet of a well operated by a public utility, as defined in 196.01 (5) Stats., or within 100 feet of any other well used to provide water for human consumption.

Drinking water in the area including the Site is derived from Lake Michigan and is supplied by the City of Milwaukee.

6.0 CLOSURE EVALUATION

A NR 716-compliant site investigation and a NR 746 risk screening evaluation have been completed for the Site. We believe that criteria for site closure under such conditions have been met.

The site is classified as a “medium risk site”, per NR 746.03; therefore, this document will be submitted to DSPS for their review, records and decision.

The following considerations were used in determining the best technical and most cost effective method for evaluating a closure strategy at the Site:

1) The site meets the requirements of NR 746.07(4) *Groundwater Contamination Exceeding* Enforcement Standards within Permeable Material.

   a) All of the risk screening criteria in NR 746.06(2) have been satisfied. None of the environmental factors are present. Specifically, no private or potable wells are known to exist in the vicinity of the Site, or within 0.5 mile of the Site. No bedrock was encountered to at least 20 feet below the ground surface, the maximum depth

explored. Area bedrock is expected to exist 150 to 200 feet below ground surface. Additionally, no sensitive environments such as wetlands exist in the area. No free-phase petroleum product has been documented at the Site. The dissolved phase groundwater contaminant plume is stable or receding.

b) The requirements of NR 726 have been satisfied.

c) One of the following tests has been satisfied:

1) There is a minimum of 4 rounds of sampling data that are free of seasonal variation, and those sample results establish, through the use of the Mann-Kendall statistical test that is set forth in Appendix A (of NR 746), that the concentrations of contaminants with confirmed exceedances of enforcement standards are decreasing at the downgradient perimeter and along the centerline of the contaminant plume.

   Mann-Kendall statistical tests were completed for MW2/MW2R, MW3/MW3R and MW5. Statistical analysis of PVOC concentrations from MW2/MW2R resulted in a decreasing trend for all compounds with an 80 to 90 percent confidence level. MW3/MW3R has a stable trend for benzene, toluene and ethylbenzene with an 80 percent confidence level. Total xylenes decrease with a 90 percent confidence level. Total trimethylbenzene and naphthalene concentrations are not stable. MW5 has non-stable concentrations of PVOC concentrations. A copy of the Mann-Kendall statistical tests are in Appendix H.

2) For sampling data not free of seasonal variation, an appropriate number and frequency of sampling rounds has been conducted consistent with the requirements of Appendix A (of NR 746), and the sample results establish, through the use of the Mann-Whitney U statistical test that is set forth in Appendix A (of NR 746), that the concentrations of contaminants with confirmed exceedances of enforcement standards are decreasing at the downgradient perimeter and along the centerline of the contaminant plume.

   The data collected for this project does not satisfy the requirements for the Mann-Whitney U statistical test.

   We believe this site is eligible for site closure in accordance with Chapters NR 700, NR 726, and NR 746 of the WAC. Site closure under these conditions will require a soil and groundwater geographic information system (GIS) registry package be prepared and submitted to DSPS.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Residual soil contamination at this site does not exceed the NR 746 table 1 and table 2 values. A limited area of petroleum-impacted soils, above NR 720 generic RCLs exist on the Site, and extends south into the adjacent West Burleigh Street right-of-way. Approximately 1,500 tons of petroleum-impacted soil exists on the Site, extending laterally 70 feet east-west, by 35 feet north-south, at depths between 6 to 15 feet below the ground surface. However, the petroleum-impacted soils located on the Site appear to be located at or beneath the static groundwater table, therefore, these petroleum impacts are considered to be a groundwater issue.

The approximate lateral extent of groundwater exceeding the NR 140 ES is centered near MW2/MW2R and has an estimated extent of 60 feet east-west by 60 feet north-south. The groundwater contamination extends to the south into the West Burleigh Street right-of-way.

A NR 716-compliant subsurface investigation and a NR 746 risk screening evaluation have been performed at the Site, located at 2320 West Burleigh Street, Milwaukee, Wisconsin. The extents of petroleum impacted soil and groundwater have been delineated. No significant risk to human health or the environment has been identified as a result of the release(s) from the former USTs at the Site. Therefore, Giles, on behalf of the RACM, requests that DSPS grant case closure for the Site, with placement of the Site on the soil and groundwater GIS Registry, and that the monitoring wells be abandoned in accordance with Chapter NR 141 following case closure.

8.0 GENERAL COMMENTS

This report has been prepared for the exclusive use of RACM, and may not be reproduced or distributed without written authorization from Giles and RACM.

This report has been prepared in order to aid in the evaluation of this property with regard to the potential for hazardous substances at the time of this study. The conclusions presented in this report were based on available information pertaining to various points in time and were presented by others for use by us or were based on informal discussions with various agency personnel.

The conclusions in this report may rely on others credibility and, therefore, an alteration in documentation or verbal information obtained may result in the redirection of the conclusions presented in this report. The conclusions are also based on visual field observations performed within the property boundaries at this specific point in time and, therefore, do not include the potential for the presence of hazardous substances within undocumented fills placed on the Site or adjacent properties.

The boring logs and related information enclosed in the Appendix B depict subsurface conditions only at the specific locations bored and at the particular times designated on the logs. Soil conditions at other locations may differ from conditions occurring at these boring locations. Also the passage of time may result in a change in the soil conditions at the performed soil boring locations.

This report has been prepared in accordance with generally accepted practice in the field of environmental consulting at the time of report preparation. No other warranty is either expressed or implied.

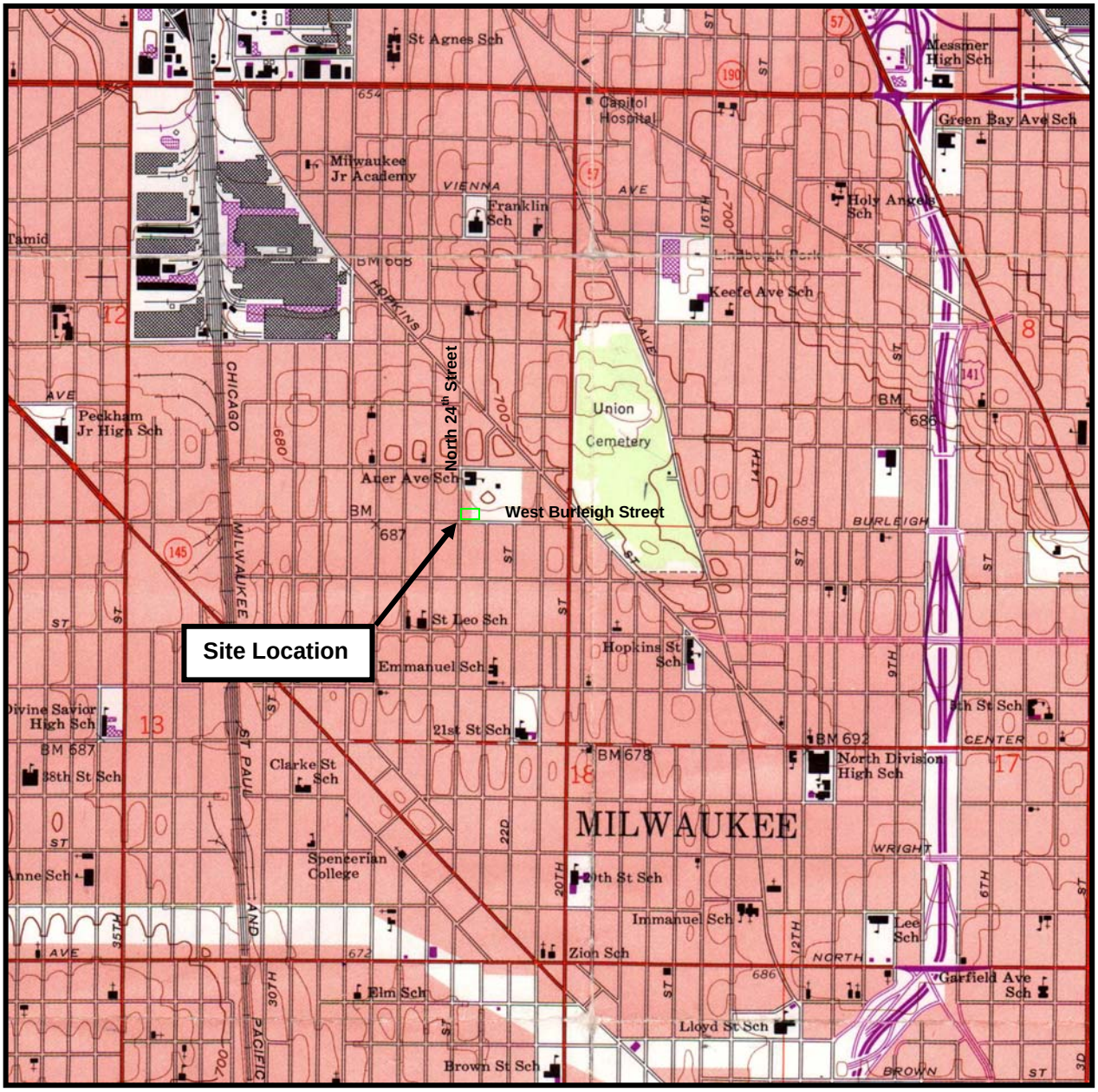
All reports, plans, specifications, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by us for this project are instruments of service, not products, and shall remain our property. We shall retain copies of final reports and letters for a period of 5 years following submission of our final invoice, during which they will be made available to client at all reasonable times.

9.0 SUBMITTAL CERTIFICATION

I, Thomas J. Bauman, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), 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.

Signature, Title, P.G. Number	P.G. Stamp

FIGURES



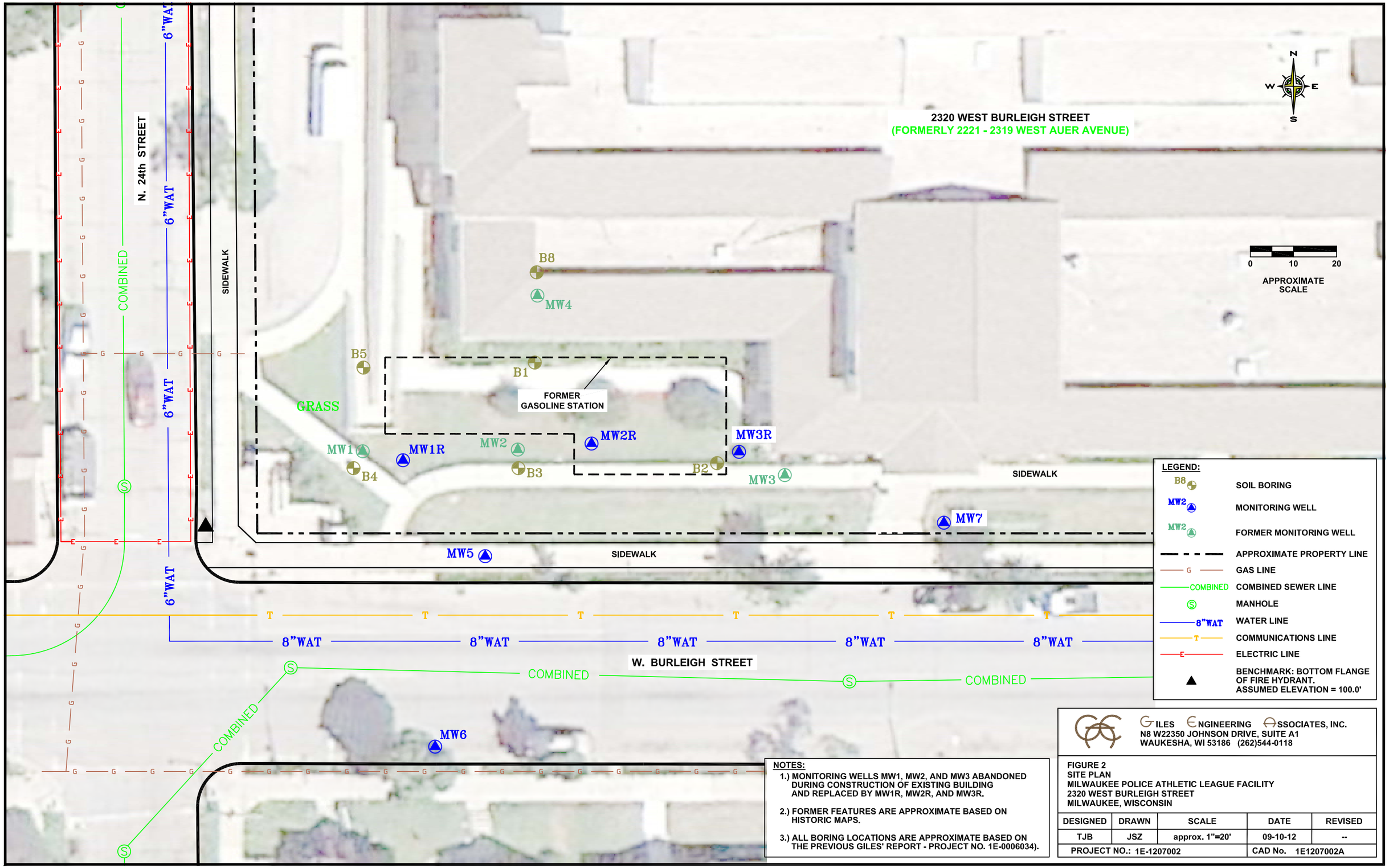
Source: USGS Milwaukee, Wisconsin (1958; photorevised 1971) 7.5 Minute Series (topographic) Quadrangle Map

Scale: 1”=2000’
Contour Interval: 10 Feet

Figure 1
Site Location Map

Milwaukee Police Athletic League Facility
2320 West Burleigh Street
Milwaukee, Wisconsin
Project No. 1E-1207002

GILES
ENGINEERING ASSOCIATES, INC.



NOTES:

1.) MONITORING WELLS MW1, MW2, AND MW3 ABANDONED DURING CONSTRUCTION OF EXISTING BUILDING AND REPLACED BY MW1R, MW2R, AND MW3R.

2.) FORMER FEATURES ARE APPROXIMATE BASED ON HISTORIC MAPS.

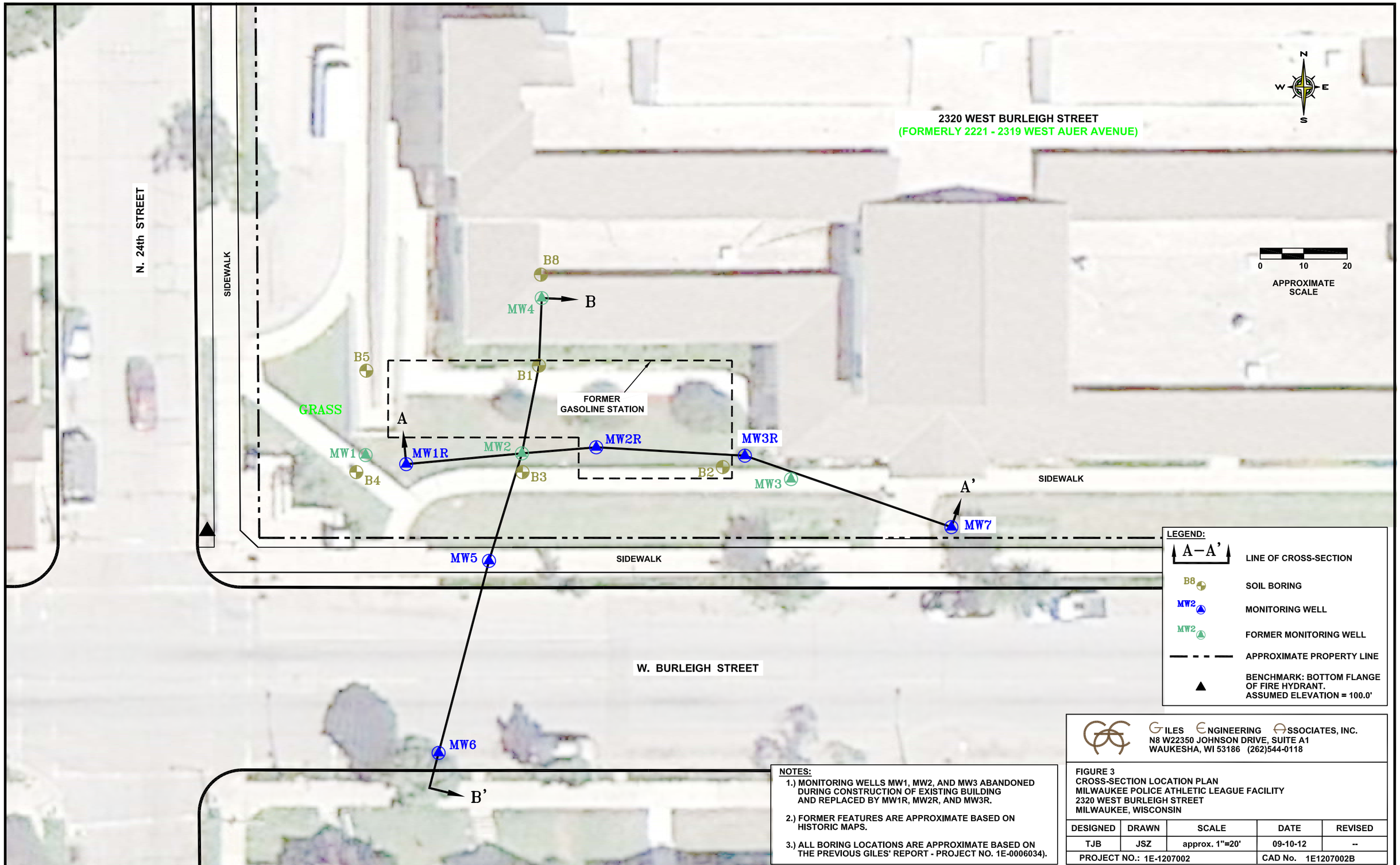
3.) ALL BORING LOCATIONS ARE APPROXIMATE BASED ON THE PREVIOUS GILES' REPORT - PROJECT NO. 1E-0006034).

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118

FIGURE 2
SITE PLAN
MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	approx. 1"=20'	09-10-12	--

PROJECT NO.: 1E-1207002 | CAD No. 1E1207002A



NOTES:

1.) MONITORING WELLS MW1, MW2, AND MW3 ABANDONED DURING CONSTRUCTION OF EXISTING BUILDING AND REPLACED BY MW1R, MW2R, AND MW3R.

2.) FORMER FEATURES ARE APPROXIMATE BASED ON HISTORIC MAPS.

3.) ALL BORING LOCATIONS ARE APPROXIMATE BASED ON THE PREVIOUS GILES' REPORT - PROJECT NO. 1E-0006034).

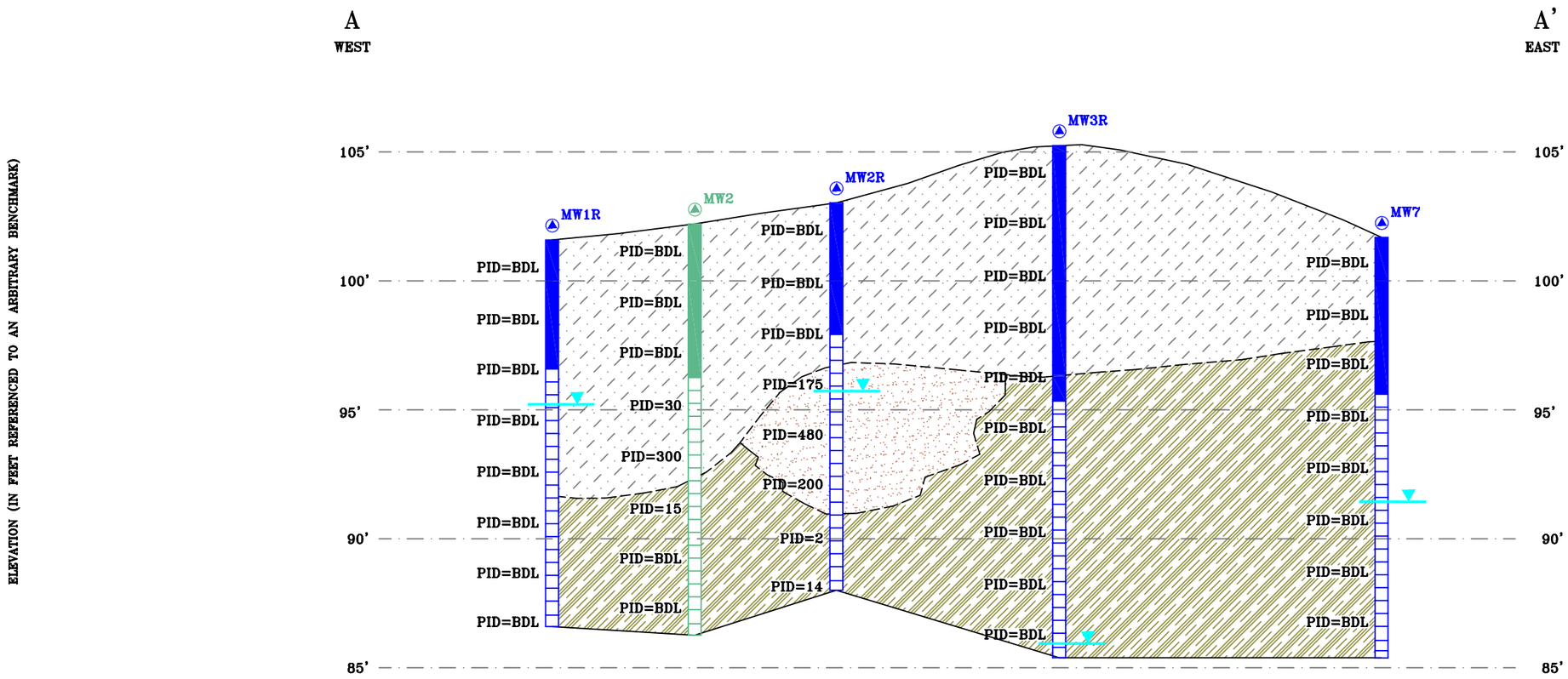
GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118

FIGURE 3
CROSS-SECTION LOCATION PLAN
MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	approx. 1"=20'	09-10-12	--
PROJECT NO.: 1E-1207002			CAD No. 1E1207002B	

CROSS SECTION A–A'

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



LEGEND:

- MW7 — MONITORING WELL
- MW2 — FORMER MONITORING WELL
- WELL SCREEN
- STATIC GROUNDWATER LEVEL MEASURED ON (05/07/03)

SOIL KEY:

- FILL
- SILTY SAND
- SILTY CLAY TO CLAYEY SILT

NOTE:

PID: PHOTOIONIZATION DETECTOR READINGS EXPRESSED IN INSTRUMENT UNITS

BDL: BELOW DETECTION LEVEL

SOIL CONTACTS: DASHED WHERE INFERRED

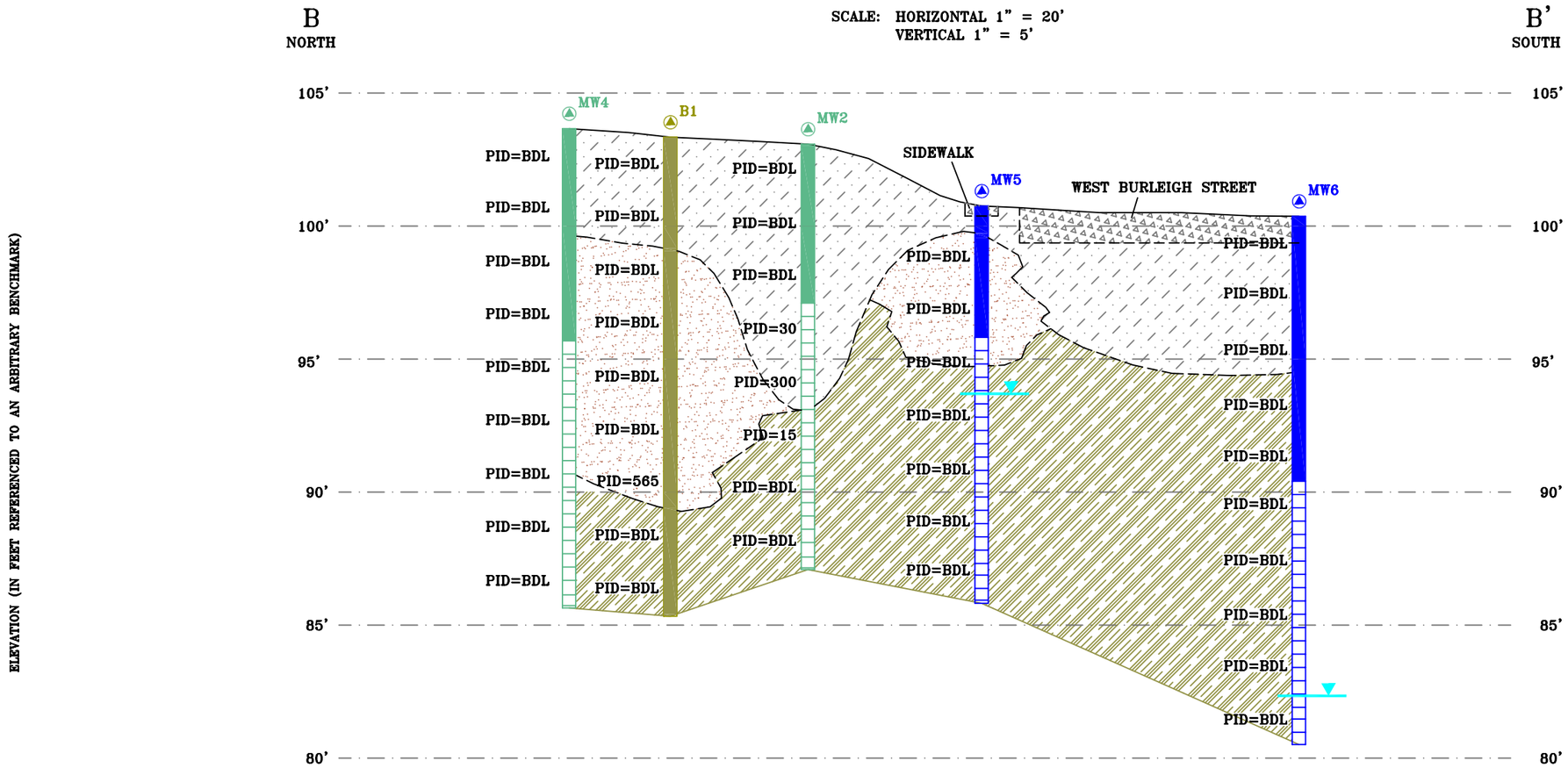
GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118

FIGURE 4
CROSS-SECTION A-A'
MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	approx. 1"=20'	09-10-12	--
PROJECT NO.: 1E-1207002			CAD No. 1E1207002C	

CROSS SECTION B–B'

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



LEGEND:

- MW6 — MONITORING WELL
- MW2 — FORMER MONITORING WELL
- B1 — SOIL BORING
- WELL SCREEN
- STATIC GROUNDWATER LEVEL MEASURED ON (05/07/03)

SOIL KEY:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TO CLAYEY SILT

NOTE:

PID: PHOTOIONIZATION DETECTOR READINGS EXPRESSED IN INSTRUMENT UNITS

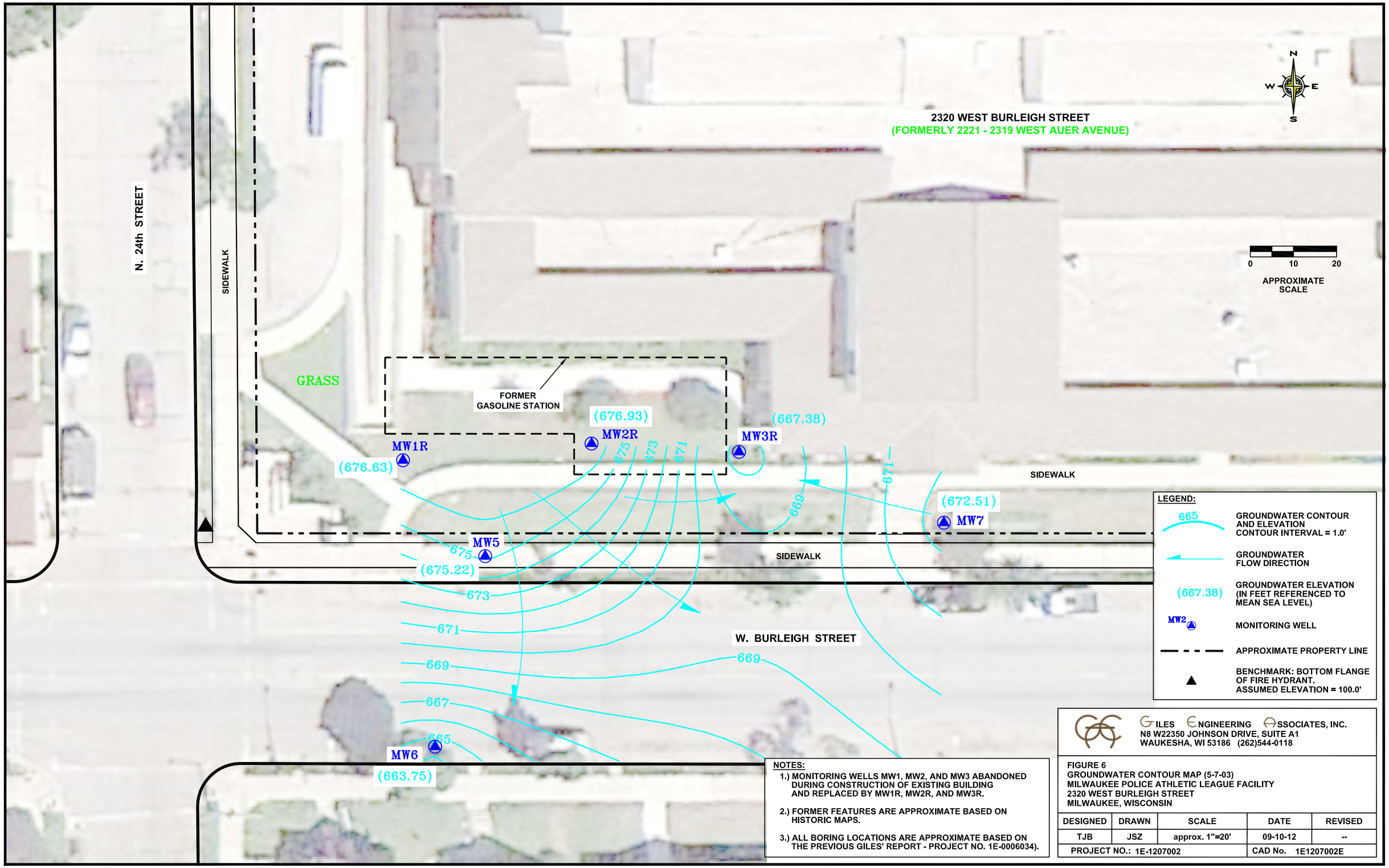
BDL: BELOW DETECTION LEVEL

SOIL CONTACTS: DASHED WHERE INFERRED

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118

FIGURE 5
CROSS-SECTION B-B'
MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	approx. 1"=20'	09-10-12	--
PROJECT NO.: 1E-1207002			CAD No. 1E1207002D	



NOTES:

1.) MONITORING WELLS MW1, MW2, AND MW3 ABANDONED DURING CONSTRUCTION OF EXISTING BUILDING AND REPLACED BY MW1R, MW2R, AND MW3R.

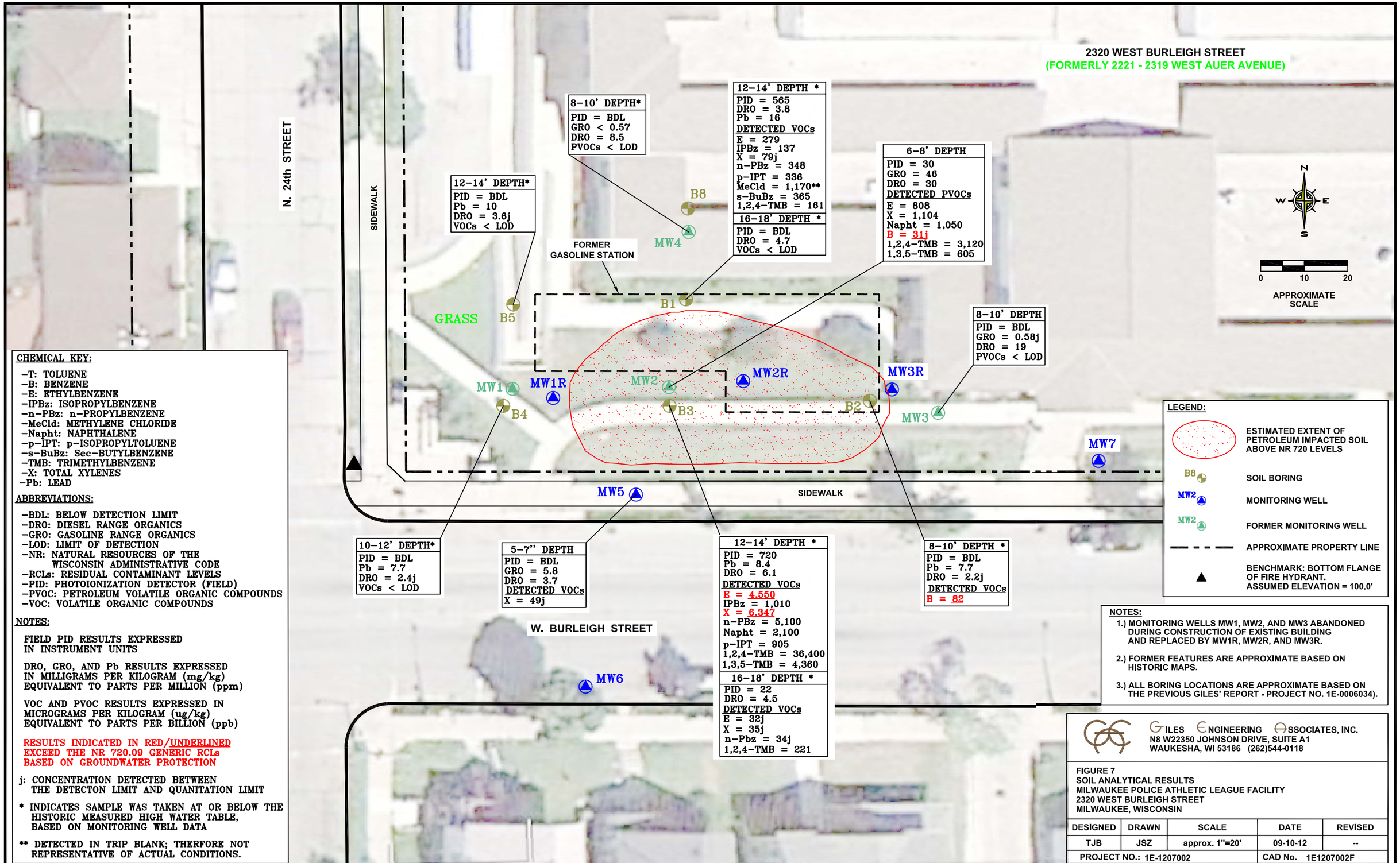
2.) FORMER FEATURES ARE APPROXIMATE BASED ON HISTORIC MAPS.

3.) ALL BORING LOCATIONS ARE APPROXIMATE BASED ON THE PREVIOUS GILES' REPORT - PROJECT NO. 1E-0006034).

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118

FIGURE 6
GROUNDWATER CONTOUR MAP (5-7-03)
MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	approx. 1"=20'	09-10-12	--
PROJECT NO.: 1E-1207002			CAD No. 1E1207002E	



CHEMICAL KEY:

- -T: TOLUENE
- -B: BENZENE
- -E: ETHYLBENZENE
- -IPBz: ISOPROPYLBENZENE
- -n-PBz: n-PROPYLBENZENE
- -MeCld: METHYLENE CHLORIDE
- -Napht: NAPHTHALENE
- -p-IPT: p-ISOPROPYLTOLUENE
- -s-BuBz: Sec-BUTYLBENZENE
- -TMB: TRIMETHYLBENZENE
- -X: TOTAL XYLENES
- -Pb: LEAD

ABBREVIATIONS:

- -BDL: BELOW DETECTION LIMIT
- -DRO: DIESEL RANGE ORGANICS
- -GRO: GASOLINE RANGE ORGANICS
- -LOD: LIMIT OF DETECTION
- -NR: NATURAL RESOURCES OF THE WISCONSIN ADMINISTRATIVE CODE
- -RCLs: RESIDUAL CONTAMINANT LEVELS
- -PID: PHOTOIONIZATION DETECTOR (FIELD)
- -PVOC: PETROLEUM VOLATILE ORGANIC COMPOUNDS
- -VOC: VOLATILE ORGANIC COMPOUNDS

NOTES:

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

DRO, GRO, AND Pb RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

VOC AND PVOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE NR 720.09 GENERIC RCLs BASED ON GROUNDWATER PROTECTION

j: CONCENTRATION DETECTED BETWEEN THE DETECTON LIMIT AND QUANITATION LIMIT

* INDICATES SAMPLE WAS TAKEN AT OR BELOW THE HISTORIC MEASURED HIGH WATER TABLE, BASED ON MONITORING WELL DATA

** DETECTED IN TRIP BLANK; THERFORE NOT REPRESENTATIVE OF ACTUAL CONDITIONS.

NOTES:

1.) MONITORING WELLS MW1, MW2, AND MW3 ABANDONED DURING CONSTRUCTION OF EXISTING BUILDING AND REPLACED BY MW1R, MW2R, AND MW3R.

2.) FORMER FEATURES ARE APPROXIMATE BASED ON HISTORIC MAPS.

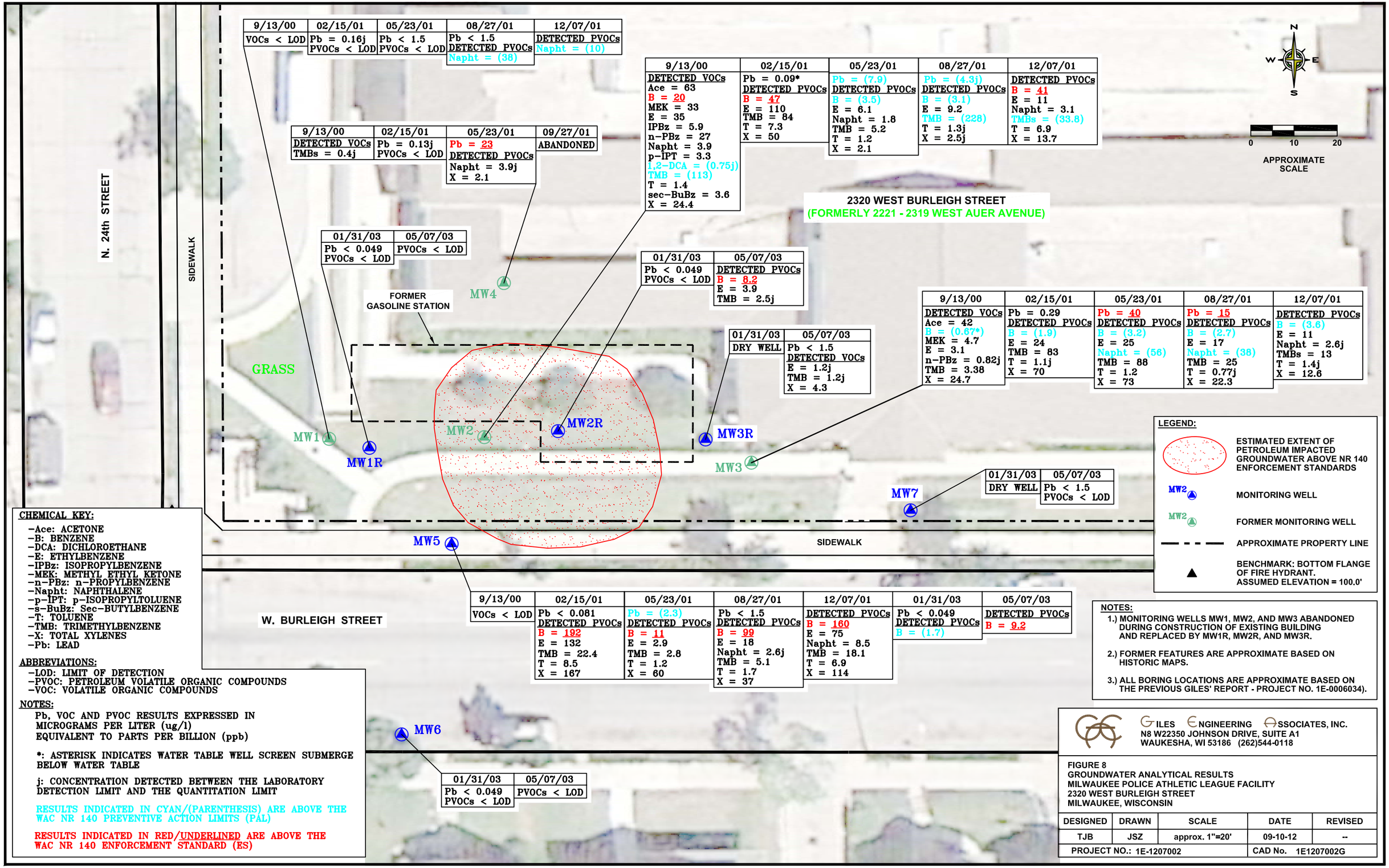
3.) ALL BORING LOCATIONS ARE APPROXIMATE BASED ON THE PREVIOUS GILES' REPORT - PROJECT NO. 1E-0006034).

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118

FIGURE 7
SOIL ANALYTICAL RESULTS
MILWAUKEE POLICE ATHLETIC LEAGUE FACILITY
2320 WEST BURLEIGH STREET
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	approx. 1"=20'	09-10-12	--

PROJECT NO.: 1E-1207002 CAD No. 1E1207002F



CHEMICAL KEY:

- -Ace: ACETONE
- -B: BENZENE
- -DCA: DICHLOROETHANE
- -E: ETHYLBENZENE
- -IPBz: ISOPROPYLBENZENE
- -MEK: METHYL ETHYL KETONE
- -n-PBz: n-PROPYLBENZENE
- -Napht: NAPHTHALENE
- -p-IPT: p-ISOPROPYLTOLUENE
- -s-BuBz: Sec-BUTYLBENZENE
- -T: TOLUENE
- -TMB: TRIMETHYLBENZENE
- -X: TOTAL XYLENES
- -Pb: LEAD

ABBREVIATIONS:

- -LOD: LIMIT OF DETECTION
- -PVOC: PETROLEUM VOLATILE ORGANIC COMPOUNDS
- -VOC: VOLATILE ORGANIC COMPOUNDS

NOTES:

Pb, VOC AND PVOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

*: ASTERISK INDICATES WATER TABLE WELL SCREEN SUBMERGE BELOW WATER TABLE

j: CONCENTRATION DETECTED BETWEEN THE LABORATORY DETECTION LIMIT AND THE QUANTITATION LIMIT

RESULTS INDICATED IN CYAN/(PARENTHESIS) ARE ABOVE THE WAC NR 140 PREVENTIVE ACTION LIMITS (PAL)

RESULTS INDICATED IN RED/UNDERLINED ARE ABOVE THE WAC NR 140 ENFORCEMENT STANDARD (ES)

TABLES

TABLE 1

GROUNDWATER ELEVATION AND SURVEY DATA

(September 2000 thru December 2001)

Milwaukee Police Athletic League Facility
2320 W. Burleigh Street
Milwaukee, Wisconsin
Project No. 1E-1207002

	Groundwater Monitoring Wells									
	MW1		**MW2**		**MW3**		**MW4**		**MW5**	
Surface Elevation	686.52		686.82		686.52		687.42		682.44	
Top of Casing Elevation	688.57		689.00		688.58		686.92		682.18	
Top of Screen Elevation	680.52		680.82		678.52		679.42		677.44	
Bottom of Screen Elevation	670.52		668.52		668.52		669.42		667.44	
Measurment	DTW	Groundwater	DTW	Groundwater	DTW	Groundwater	DTW	Groundwater	DTW	Groundwater
Date	(Casing)	Elevation	(Casing)	Elevation	(Casing)	Elevation	(Casing)	Elevation	(Casing)	Elevation
13-Sep-00	9.57	679.00	8.88	680.12	17.41	671.17	8.22	678.70	Not Installed	Not Installed
15-Feb-01	--	--	--	--	--	--	--	--	--	--
23-May-01	10.49	678.08	9.12	679.88	8.58	680.00	8.10	678.82	5.70	676.48
27-Aug-01	9.98	678.59	9.34	679.66	9.10	679.48	Abandoned	Abandoned	5.12	677.06
7-Dec-01	11.29	677.28	11.21	677.79	10.40	678.18	Abandoned	Abandoned	7.04	675.14

Benchmark: Top flange bolt of fire hydrant located at southwest corner of site.
DTW: Depth to water (from top of PVC casing)
--: Not measured

TABLE 2

GROUNDWATER ELEVATION AND SURVEY DATA

(January 2003 thru May 2003)

Milwaukee Police Athletic League Facility
2320 W. Burleigh Street
Milwaukee, Wisconsin
Project No. 1E-1207002

Well Number	Date	Elevation Top of PVC (ft)	Ground Elevation (ft)	Screen Length (ft)	Bottom of Screen Elevation (ft)	Top of Screen Elevation	Depth to Water from PVC Pipe (ft)	Grounwater Depth from Surface (ft)	Groundwater Elevation (ft)
MW1R	1/31/2003	682.45	683.02	10.00	668.42	678.42	7.05	7.62	675.40
	5/7/2003						5.82	6.39	676.63
MW2R	1/31/2003	683.82	684.34	10.00	669.74	679.74	13.2	13.72	670.62
	5/7/2003						6.89	7.41	676.93
MW3R	1/31/2003	686.27	686.67	10.00	666.67	676.67	Dry	Dry	Dry
							18.89	19.29	667.38
MW5	5/23/2001	681.92	682.18	10.00	667.18	677.18	5.70	5.96	676.22
	8/27/2001						5.12	5.38	676.80
	12/7/2001						7.04	7.30	674.88
	1/31/2003						8.42	8.68	673.50
	5/7/2003						6.70	6.96	675.22
MW6	1/31/2003	681.47	681.80	10.00	661.80	671.80	17.66	17.99	663.81
	5/7/2003						17.72	18.05	663.75
MW7	1/31/2003	682.35	682.88	10.00	666.88	676.88	Dry	Dry	Dry
	5/7/2003						9.84	10.37	672.51

Benchmark: Top of MW2 PVC surveyed relative to mean sea level prior to abandonment. Well surveyed prior to construction of the Police Athletic Facility

Notes: --: Not Measured

1) Monitoring Wells MW1, MW2, MW3 and MW4 were abandoned prior to construction and later replaced by MW1R, MW2R and MW3R. MW4 was not replaced.

TABLE 3
SOIL ANALYTICAL RESULTS

Milwaukee Police Athletic League Facility
2320 W. Burleigh Street
Milwaukee, Wisconsin
Project No. 1E-1207002

Analytes		NR 720.09 RCLs Table 1/Table 2	NR 746.06 Table 1 Product Indicator	NR 746.06 Table 2 Direct Contact	SAMPLE LOCATION												
					B1		B2	B3		B4	B5	B6	B7	MW2	MW3	MW4	MW5
Date Sampled		--	--	--	8/3/2000	8/3/2000	8/3/2000	8/3/2000	8/3/2000	8/3/2000	8/3/2000	8/3/2000	8/3/2000	9/8/2000	9/8/2000	9/8/2000	10/28/2000
Sample Depth (feet)		--	--	--	12-14*	16-18*	8-10*	12-14*	16-18*	10-12*	12-14*	12-14*	6-8	6-8	8-10	8-10*	5-7
PID (Instrument units)		--	--	--	565	BDL	BDL	720	22	BDL	BDL	BDL	BDL	30	BDL	BDL	BDL
Lead (mg/kg)		50	--	--	16	--	7.7	8.4	--	7.7	10	--	--	--	--	--	--
Gasoline Range Organics (GRO) (mg/kg)		250	--	--	--	--	--	--	--	--	--	--	--	46	0.58j	<0.57	5.8
Diesel Range Organics (DRO) (mg/kg)		250	--	--	3.8	4.7	2.2j	6.1	4.5	2.4j	3.6j	2.4j	4.5	30	19	8.5	3.7
Detected VOCs/PVOCs (ug/kg)	Ethylbenzene	2,900	4,600	--	279	<25	<25	**4,550**	32j	<25	<25	<25	<25	808	<25	<25	<25
	Isopropylbenzene	--	--	--	137	<25	<25	1,010	<25	<25	<25	<25	<25	--	--	--	--
	Total Xylenes	4,100	42,000	--	79j	<27	<27	**6,347**	35j	<27	<27	<27	<25	1,104	<33	<33	49j
	n-Propylbenzene	--	--	--	348	<25	<25	5,100	34j	<25	<25	<25	<25	--	--	--	--
	Naphthalene	--	2,700	--	<75	<38	<38	2,100	<38	<38	<38	<38	<38	1,050	<52	<54	<53
	p-Isopropyltoluene	--	--	--	336	<25	<25	905	<25	<25	<25	<25	<25	--	--	--	--
	Methylene Chloride	--	--	--	1,170**	<25	<25	<250	<25	<25	<25	<25	<25	--	--	--	--
	sec-Butylbenzene	--	--	--	365	<25	<25	<250	<25	<25	<25	<25	<25	--	--	--	--
	Benzene	5.5	8,500	1,100	<50	<25	**82**	<250	<25	<25	<25	<25	<25	**31j**	<25	<25	<25
	1,2,4-Trimethylbenzene	--	83,000	--	161	<25	<25	36,400	221	<25	<25	<25	<25	3,120	<25	<25	<25
	1,3,5-Trimethylbenzene	--	11,000	--	<50	<25	<25	4,360	<25	<25	<25	<25	<25	605	<25	<25	<25

VOC: Volatile Organic Compound
PVOC: Petroleum Volatile Organic Compound
WDNR: Wisconsin Department of Natural Resources
BDL: Below Detection Limit
PID: Photoionization Detector

Results in red/underlined exceed the WDNR Residual Contaminant Level (RCL) established in NR 720

mg/kg: Milligrams per kilograms; equivalent to parts per million (ppm)
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)
****:** Detected in trip blank; therefore not representative of actual conditions
*: Indicates sample was taken at or below the historic measured high water table, based on monitoring well data
--: Not Applicable / Not Analyzed
j: Concentration measured between the laboratory detection limit and the quantitation limit

TABLE 4

GROUNDWATER ANALYTICAL RESULTS

Milwaukee Police Athletic League Facility
2320 W. Burleigh Street
Milwaukee, Wisconsin
Project No. 1E-01207002

Date	Methane (ug/L)	Iron (mg/L)	Lead (ug/L)	Detected VOCs/PVOCs (ug/L)													Water Level (feet)
				Acetone	Benzene	MEK	Ethylbenzene	IPBz	n-PBz	Naphthalene	p-IPT	1,2-DCA	Trimethylbenzenes	Toluene	sec-BuBz	Xylenes	
MW1		**Top of Well Screen: 680.52**													**Length of Well Screen: 10'**		
9/13/2000	--	--	--	<1.6	<0.27	<1.4	<0.25	<0.33	<0.28	<0.75	<0.31	<0.35	<0.3	<0.29	<0.34	<0.25	679
2/15/2001	<0.5	0.16	0.16j	--	<0.44	--	<0.57	--	--	--	--	--	<0.63	<0.44	--	<0.48	--
5/23/2001	<0.5	0.12	<1.5	--	<0.44	--	<0.57	--	--	<12	--	--	<0.63	<0.44	--	<0.48	678.08
8/27/2001	0.67	--	<1.50	--	<0.44	--	<0.57	--	--	(38)	--	--	<0.62	<0.44	--	<1.0	679.59
12/7/2001	2.4	0.15	--	--	<0.44	--	<0.57	--	--	(10)	--	--	<0.62	<0.44	--	<0.48	677.28
MW1R		**Top of Well Screen: 678.42'**													**Length of Well Screen: 10'**		
1/31/2003	--	--	<0.049	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	675.4
5/7/2003	--	--	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	676.63
MW2		**Top of Well Screen: 680.82'**													**Length of Well Screen: 10'**		
9/13/2000	--	--	--	63	20	33	35	5.9	27	3.9	3.3	(0.75j)	(113)	1.4	3.6	24.4	680.12
2/15/2001	670	0.09	0.09*	--	47	--	110	--	--	--	--	--	84	7.3	--	50	--
5/23/2001	260	0.14	(7.9)	--	(3.5)	--	6.1	--	--	1.8	--	--	5.2	1.2	--	2.1	679.88
8/27/2001	160	--	(4.3j)	--	(3.1)	--	9.2	--	--	<1.2	--	--	(228)	1.3j	--	2.5j	679.66
12/7/2001	550	--		--	41	--	11	--	--	3.1	--	--	33.8	6.9	--	13.7	677.79
MW2R		**Top of Well Screen: 679.74'**													**Length of Well Screen: 10'**		
1/31/2003	--	--	<0.049	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	670.62
5/7/2003	--	--	--	--	8.2	--	3.9	--	--	<1.2	--	--	2.5j	<0.88	--	<2.95	676.93
MW3		**Top of Well Screen: 678.52'**													**Length of Well Screen: 10'**		
9/13/2000	--	--	--	42	(0.67*)	4.7	3.1	<0.33	0.82j	<0.75	<0.31	<0.35	3.38	<0.29	<0.34	24.7	671.17
2/15/2001	200	0.29	0.29	--	(1.9)	--	24	--	--	--	--	--	83	1.1j	--	70	--
5/23/2001	390	0.11	40	--	(3.2)	--	25	--	--	(56)	--	--	88	1.2	--	73	680.00*
8/27/2001	180	--	15	--	(2.7)	--	17	--	--	(38)	--	--	25	0.77j	--	22.3	679.48*
12/7/2001	440	--	--	--	(3.6)	--	11	--	--	2.6j	--	--	13	1.4j	--	12.6	678.18
MW3R		**Top of Well Screen: 676.67**													**Length of Well Screen: 10'**		
1/31/2003	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
5/7/2003	--	--	<1.5	--	<0.44	--	1.2j	--	--	<1.2	--	--	1.2j	<0.44	--	4.3	667.38
MW4		**Top of Well Screen: 679.42'**													**Length of Well Screen: 10'**		
9/13/2000	--	--	--	<1.6	<0.27	<1.4	<0.25	<0.33	<0.28	<0.75	<0.31	<0.35	0.4j	<0.29	<0.34	<0.25	678.7
2/15/2001	5.6	0.13	0.13j	--	<0.44	--	<0.57	--	--	--	--	--	<0.62	<0.44	--	<0.48	--
5/23/2001	1.2	<0.081	23	--	<0.44	--	<0.57	--	--	3.9j	--	--	<0.63	<0.44	--	2.1	678.82
Abandoned																	
MW5		**Top of Well Screen: 677.44**													**Length of Well Screen: 10'**		
11/6/2000	--	--	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<0.62	<0.44	--	<0.48	Not Installed
2/15/2001	190	<0.081	<0.081	--	192	--	132	--	--	--	--	--	22.4	8.5	--	167	--
5/23/2001	27	<0.081	(2.3)	--	11	--	2.9	--	--	<1.2	--	--	2.8	1.2	--	60	676.48
8/27/2001	140	--	<1.5	--	99	--	18	--	--	2.6j	--	--	5.1	1.7	--	37	677.06
12/7/2001	130	--	--	--	160	--	75	--	--	8.5	--	--	18.1	6.9	--	114	675.14
1/31/2003	--	--	<0.049	--	(1.7)	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	673.5
5/7/2003	--	--	--	--	9.2	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	675.22
MW6		**Top of Well Screen: 671.80'**													**Length of Well Screen: 10'**		
1/31/2003	--	--	<0.049	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	663.81
5/7/2003	--	--	--	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	663.75
MW7		**Top of Well Screen: 676.88'**													**Length of Well Screen: 10'**		
1/31/2003	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry
5/7/2003	--	--	<1.5	--	<0.44	--	<0.57	--	--	<1.2	--	--	<1.25	<0.44	--	<1.48	672.51
WDNR PAL			1.5	1,800	0.5	800	140	NS	NS	10	NS	0.5	96	160	NS	400	--
WDNR ES			15	9,000	5	4,000	700	NS	NS	100	NS	5	480	800	NS	2,000	--

sec-BuBz: sec-Butylbenzene
IPBz: Isopropylbenzene
p-IPT: p-Isopropyltoluene
***:** Asterisk indicates water table well screen submerged below water table
j: Concentration detected between the laboratory detection limit and the quantitation limit
ug/L: Micrograms per liter-equivalent to parts per billion (ppb)

mg/L: Milligrams per liter-equivalent to parts per million (ppm)
--: Not Applicable/Not Analyzed
NS: No Regulatory Standard Established
n-PBz: n-Propylbenzene
VOCs: Volatile organical compounds
PVOCs: Petroleum volatile organical compounds

Results indicated in Blue/Parenthesis are above the Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL)
Results indicated in Red/Underlined exceed the Wisconsin Adminitrative Code NR 140 Enforcement Standard (ES)

TABLE 5

NATURAL ATTENUATION FIELD INDICATOR PARAMETERS SUMMARY

Milwaukee Police Athletic League Facility
2320 W. Burleigh Street
Milwaukee, Wisconsin
Project No. 1E-1207002

Well No.	Date Collected	Field Measurements				
		Temperature (ºC)	D.O. (mg/L)	PH (units)	Specific Conductance (us/cm)	Redox ORP (mv)
MW1	9/13/2000	17.51	3.64	8.31	1195	337
	5/22/2001	9.97	3.22	5.05	1310	611
	8/27/2001	15.38	0.29	6.82	1035	594
	12/7/2001	14.78	0.80	7.07	939	495
MW1R	1/31/2003	10.02	8.72	6.72	1184	292
	5/7/2003	8.10	1.85	7.10	1961	283
MW2	9/13/2000	17.03	3.47	8.06	742	341
	5/22/2001	9.69	1.17	5.06	721	594
	8/27/2001	18.11	4.22	7.06	539	586
	12/7/2001	14.07	0.28	7.17	742	493
MW2R	1/31/2003	10.82	3.22	6.98	822	289
	5/7/2003	8.51	0.34	6.67	1232	48
MW3	9/13/2000	13.91	1.61	7.59	2501	371
	5/22/2001	9.01	0.78	4.96	1943	623
	8/27/2001	Free Product	Free Product	Free Product	Free Product	Free Product
	12/7/2001	13.23	0.36	6.65	1726	499
MW3R	1/31/2003	Dry	Dry	Dry	Dry	Dry
	5/7/2003	12.39	0.27	7.09	1482	296
MW4	9/13/2000	14.56	4.38	7.71	1245	347
	5/22/2001	9.18	0.88	5.06	1784	610
	8/27/2001	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW5	8/27/2001	12.1	0.35	6.86	1051	590
	12/7/2001	14.38	0.60	6.87	770	491
	1/31/2003	8.74	1.35	6.68	1002	322
	5/7/2003	8.28	1.02	6.99	1285	278
MW6	1/31/2003	10.61	3.58	6.60	5368	327
	5/7/2003	12.57	0.59	7.16	4679	346
MW7	1/31/2003	Dry	Dry	Dry	Dry	Dry
	5/7/2003	9.13	3.05	7.01	1390	297

Notes:

D.O: dissolved oxygen
ORP: oxidation-reduction potential
ºC: degrees celcius
mg/L: milligrams per liter
us/cm: microsiemens per centimeter
mV: millivolt
--: not analyzed

ATTACHMENT A

Important Information About Your Geoenvironmental Report

Important Information About Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change*, sometimes suddenly, due to any number of events, not the least of which include occurrences at

adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.

Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.

ASFE
THE BEST PEOPLE ON EARTH

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ATTACHMENT B

Soil Boring Logs, and General Notes

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 1	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 103.3	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Brown Sand and Gravel, trace to little Silt and Clay (Fill)-Moist		1-PS						BDL	
Dark Brown to Gray Silty Clay to Clayey Silt, little to some fine to coarse Sand (Fill)-Moist		2-PS						BDL	
Brown-Gray mottled fine Sand, trace to little Silt and Clay (Possible Fill)-Very Moist	5	3-PS						BDL	
		4-PS						BDL	
Brown-Gray fine Sandy Silt, trace to little Clay and Gravel-Wet		5-PS						BDL	
	10	6-PS						BDL	
Black Silty fine Sand (strong petroleum odor)-Wet		7-PS						565	(a)
Gray Silty Clay, little to some fine to coarse Sand, trace Gravel-Very Moist to Wet	15	8-PS						BDL	
		9-PS						BDL	

Boring terminated at 18 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 2	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.2	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Brown Sand and Gravel, trace to little Silt (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	
Brown to Dark Brown Silty Clay, trace to some fine to coarse Sand, trace to little Gravel (Fill)-Moist	5	3-PS						BDL	
		4-PS						BDL	
Gray Silty Clay, little to some fine to coarse Sand, trace Gravel-Wet	10	5-PS						BDL	(a)
		6-PS						BDL	
		7-PS						BDL	
	15	8-PS						BDL	
		9-PS						BDL	

Boring terminated at 18 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 3	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 103.1	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Brown Silty Sand and Gravel, trace to little Clay (Fill)-Moist		1-PS						BDL	
Black to Brown Silty Clay to Clayey Silt, little to some fine to coarse Sand and Gravel (Fill)-Moist		2-PS						BDL	
	5	3-PS						BDL	
		4-PS						BDL	
Brown to Black Silty Sand and Gravel with Concrete fragments (Fill)-Wet		5-PS						BDL	
	10	6-PS						BDL	
Gray fine Sandy Silt, little to some Clay, trace to some medium to coarse Sand and Gravel (petroleum odor) (Fill)-Wet		7-PS						>2000	(a)
Black Sand and Gravel (strong petroleum odor) (Fill)-Wet		8-PS						22	
Gray Silty Clay, some fine to coarse Sand and Gravel-Wet	15	9-PS						BDL	

Boring terminated at 18 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 4	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.8	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Dark Brown Sandy Silt,trace to little Clay and Gravel (Fill)-Moist		1-PS						BDL	
Brown Silty Clay, some fine to coarse Sand, trace Gravel (Fill)-Very Moist		2-PS						BDL	
Gray-Brown fine Sandy Silt, trace to little Clay-Moist	5	3-PS						BDL	
Gray-Brown mottled Silty Clay to Clayey Silt, little fine Sand-Very Moist		4-PS						BDL	
Gray-Brown Silty Clay, little fine Sand-Very Moist to Wet		5-PS						BDL	
Brown fine Sand, trace to little Silt-Wet	▽ 10	6-PS						BDL	(a)
Gray-Brown Silty fine Sand-Wet		7-PS						BDL	
Gray Silty fine Sand, trace medium to coarse Sand-Wet	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 5	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.9	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Dark Brown Silty fine sand, trace to little Clay, medium to coarse Sand and Gravel (Fill)-Moist		1-PS						BDL	
Dark Brown Silty fine Sand, trace to little Clay, medium to coarse Sand and Gravel to Brown Sand and Gravel (Fill)-Moist		2-PS						BDL	
Brown Sandy Silty Clay, (Fill)-Very Moist	5	3-PS						BDL	
		4-PS						BDL	
Light Brown Silty fine Sand-Wet		5-PS						BDL	(a)
Gray fine Sandy Silt, trace to little Clay-Wet	10	6-PS						BDL	
Gray Silty Clay, little to some fine to coarse Sand, trace Gravel-Wet		7-PS						BDL	
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 6	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.9	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Brown to Dark Brown Silty Sand and Gravel, trace to little Clay (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	
	5	3-PS						BDL	
		4-PS						BDL	
Gray-Brown mottled fine Sandy Silt, trace to little Clay-Very Moist to Wet		5-PS						BDL	
Gray-Brown to Gray Silty fine Sand-Wet	∇ 10	6-PS						BDL	
		7-PS						BDL	(a)
Brown Sand and Gravel-Wet	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
∇	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 7	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 104.2	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Dark Brown fine Sandy Silt, trace to little medium to coarse Sand (Fill)-Moist		1-PS						BDL	
		2-PS						BDL	
Gray-Brown mottled Silty Clay, little fine to coarse Sand-Moist	5	3-PS						BDL	
Gray-Brown fine Sandy Silt; trace to little Clay-Very Moist to Wet		4-PS						BDL	(a)
Gray-Brown Silty Clay to Clayey Silt, little to some fine to coarse Sand and Gravel-Very Moist to Wet		5-PS						BDL	
	▽ 10	6-PS						BDL	
Gray-Brown Silty fine Sand, trace to little Clay-Wet		7-PS						BDL	
Gray Silty fine Sand, trace to little Clay-Wet	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(a) Soil sample submitted for diesel range organics (DRO), volatile organic compounds (VOC) and Pb analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: B - 8	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 103.7	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 8/3/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Tom Bauman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Dark Brown fine Sandy Silt, trace to little Clay (Fill)-Moist		1-PS						BDL	
Brown Sand and Gravel, trace to little Silt and Clay (Fill)-Moist		2-PS						BDL	
Brown Silty Clay, trace to little fine Sand (Possible Fill)-Moist	5	3-PS						BDL	
Brown-Gray mottled Silty Clay to Clayey Silt, little fine Sand-Very Moist to Wet		4-PS						BDL	
		5-PS						BDL	
Brown-Gray fine Sandy Silt-Wet	▽ 10	6-PS						BDL	
Brown Sand and Gravel, trace to little Silt-Wet		7-PS						BDL	
	15	8-PS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR From No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	PS = Probe Sample
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 1	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.8	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 9/8/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Dick Reesman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay, little fine to coarse Sand (Fill)-Moist		1-SS	4					BDL	
Brown and Dark Brown Clayey Silt, little fine to coarse Sand and Gravel (Fill)-Moist		2-SS	9					BDL	
Brown Clayey Silt, little to some Gray Silt lenses, trace fine Sand (Possible Fill)-Moist	5	3-SS	12					BDL	
Brown Clayey Silt to Silt, trace fine Sand-Moist to Very Moist		4-SS	8					BDL	
		5-SS	13					BDL	
Brown Clayey Silt to Silt, some fine Sand-Wet	▽ 10	6-SS	20					BDL	
Gray Clayey Silt, little to some fine Sand-Wet		7-SS	5					BDL	
Gray Silty Clay to Clayey Silt, little fine Sand-Very Moist to Wet	15	8-SS	15					BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with chipped bentonite following auger removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 1R	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 101.6	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 1/10/03	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± rootmat		1-SS	7					BDL	
Dark Brown Clayey Silt, little fine Sand and Gravel (Fill)-Moist		2-SS	9					BDL	
Brown Silty Clay, trace fine to medium Sand and Gravel (Possible Fill)-Moist to Wet at 6± feet		3-SS	8					BDL	
	5 ▽	4-SS	36					BDL	
		5-SS	12					BDL	
Gray Silty Clay, some fine to medium Sand, trace fine Gravel-Very Moist	10	6-SS	26					BDL	
		7-SS	21					BDL	
		8-SS	60					BDL	
Boring terminated at 15 feet	15								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 6 ft.	NOTE: Temporary groundwater observation well installed at the completion of drilling. Bottom of well set at 15± feet with 10-foot screen.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 2	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 103.1	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 9/8/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Dick Reesman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay to Clayey Silt, little fine to coarse Sand, trace Gravel (Fill)-Moist		1-SS	4					BDL	
Brown, Dark Brown and Gray mottled Silty Clay to Clayey Silt; little fine to coarse Sand (Fill)-Moist		2-SS	9					BDL	
	5	3-SS	7					BDL	
Gray and Black mottled Silty Clay to Clayey Silt, little fine to coarse Sand (petroleum odor) (Fill)-Moist		4-SS	6					30	(a)
		5-SS	8					300	
Gray Silty Clay, trace fine Sand (slight petroleum odor)-Very Moist	10	6-SS	8					15	
Gray Silty Clay, trace fine Sand-Moist		7-SS	10					BDL	
	15	8-SS	12					BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with chipped bentonite following auger removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	(a) Soil sample submitted for VOC analysis.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 2R	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.9	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 1/10/03	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± rootmat		1-SS	6					BDL	
Brown/Black Clayey Silt, little fine to medium Sand and Gravel (Fill)-Moist		2-SS	15					BDL	
Gray Silty Clay, some fine Gravel, trace fine Sand (Possible Fill)-Moist	5	3-SS	47					BDL	
Gray/Black Silty fine to medium Sand and Gravel (odor)-Moist to Wet at 8± feet	▽	4-SS	13					175	
		5-SS	11					480	
	10	6-SS	13					200	
Gray Silty Clay, trace fine to medium Gravel and shale bedrock-Moist		7-SS	23					2	
	15	8-SS	90					14	
Boring terminated at 15 feet									

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 8 ft.	NOTE: Temporary groundwater observation well installed at the completion of drilling. Bottom of well set at 15± feet with 10-foot screen.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 3	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 102.8	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 9/8/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Dick Reesman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Grass Surface; Brown Silty Clay to Clayey Silt, little fine to coarse Sand (Fill)-Moist		1-SS	5					BDL	
Brown and Dark Brown Clayey Silt to Silt, little fine to coarse Sand (Fill)-Moist		2-SS	15					BDL	
Brown Clayey Silt, little Gray Silt lenses, trace fine Sand (Possible Fill)-Moist	5	3-SS	9					BDL	
Brown-Gray Clayey Silt to Silt, little to some fine Sand-Moist		4-SS	10					BDL	
		5-SS	16					BDL	(a)
Gray Clayey Silt, little to some fine Sand (slight petroleum odor)-Very Moist	10 ▽	6-SS	11					3	
Gray Silty Clay, trace fine Sand-Wet		7-SS	8					BDL	
	15	8-SS	5					BDL	
		9-SS	8					BDL	

Boring terminated at 18 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with chipped bentonite following auger removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 12 ft.	(a) Soil sample submitted for VOC analysis.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 3R	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 105.3	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 1/10/03	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± rootmat		1-SS	18					BDL	
Brown Clayey Silt, some fine to medium Sand and Gravel (Fill)-Moist		2-SS	14					BDL	
Brown and Gray mottled Silty Clay, trace fine Sand and Gravel (Fill)-Moist	5	3-SS	10					BDL	
		4-SS	22					BDL	
		5-SS	20					BDL	
Gray Silty Clay, little fine Gravel-Moist to Wet at 10± feet	▽ 10	6-SS	12					BDL	
		7-SS	6					BDL	
	15	8-SS	6					BDL	
		9-SS	18					BDL	
		10-SS	7					BDL	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	NOTE: Temporary groundwater observation well installed at the completion of drilling. Bottom of well set at 20± feet with 10-foot screen.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 4	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 103.7	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 9/8/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Dick Reesman	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Grass Surface; Dark Brown Clayey Silt, trace to little fine to coarse Sand (Fill)-Moist		1-SS	7					BDL	
		2-SS	10					BDL	
Brown Silt, little to some fine Sand (Possible Fill)-Moist	5	3-SS	6					BDL	
		4-SS	11					BDL	
		5-SS	12					BDL	(a)
Brown fine Sandy Silt, little medium to coarse Sand-Very Moist	10	6-SS	21					BDL	
	▽	7-SS	13					BDL	
Gray Silty Clay, trace fine Sand-Wet	15	8-SS	13					BDL	
		9-SS	14					BDL	

Boring terminated at 18 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

NOTE: Test boring backfilled with chipped bentonite following auger removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 13 ft.	(a) Soil sample submitted for VOC analysis.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 5	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION:	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 10/27/00	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Chip Rens	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
4"± Concrete; 8"± Brown Silty fine to coarse Sand and Gravel (Base Course)-Moist		1-AU							
Brown Clayey Silt, trace fine Sand-Moist		2-SS						BDL	
Brown fine Sandy Silt, trace Clay-Moist		3-SS						BDL	
	5	4-SS						BDL	(a)
Gray Silty Clay to Clayey Silt, little fine Sand and Gravel-Moist		5-SS						BDL	
Gray Silty Clay, little fine to coarse Sand, trace Gravel-Wet	▽ 10	6-SS						BDL	
Gray Silty Clay, some fine to medium Sand, trace Gravel-Moist		7-SS						BDL	
		8-SS						BDL	
	15								

Boring terminated at 15 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL=Below Detection Limit.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	(a) Soil Sample submitted for GRO, DRO, PVOC and Naphthalene analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 6	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 100.4	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 1/15/03	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Roanhouse	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
12"± concrete		1-SS						BDL	
Brown fine to coarse Sand and Silt, trace Clay (Fill)-Moist		2-SS						BDL	
Brown-Gray fine to medium Sandy Silt, some coarse Gravel and Clay (Fill)-Moist	5	3-SS						BDL	
Gray Clayey Silt, some fine to coarse Sand-Moist		4-SS						BDL	
Gray Clayey Silt, some fine Sand, trace coarse Gravel-Moist		5-SS						BDL	
Gray Clayey Silt, some fine Sand and Gravel-Moist to Wet at 12± feet	10 ▽	6-SS						BDL	
		7-SS						BDL	
	15	8-SS						BDL	
		9-SS						BDL	
		10-SS						BDL	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 12 ft.	NOTE: Temporary groundwater observation well installed at the completion of drilling. Bottom of well set at 20± feet with 10-foot screen.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 7	PROJECT: Proposed Police Athletic League Facility
SURFACE ELEVATION: 101.5	PROJECT LOCATION: 2320 West Burleigh Road
COMPLETION DATE: 1/15/03	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Roanhouse	GILES PROJECT NUMBER: 1E-0006034

GILES ENGINEERING ASSOCIATES, INC.

Milwaukee Los Angeles Dallas Atlanta Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Brown Silt and fine to medium Sand, trace Organic Matter (Fill)-Moist		1-SS						BDL	
Brown Silt and fine to coarse Sand, trace Clay and coarse Gravel (Fill)-Moist		2-SS						BDL	
Brown-Gray Silt, some fine Sand, trace coarse Gravel-Moist	5	3-SS						BDL	
Gray Clayey Silt, some fine to coarse Sand, trace coarse Gravel-Moist		4-SS						BDL	
		5-SS						BDL	
Gray Silty Clay, trace fine to medium Sand-Wet	▽ 10	6-SS						BDL	
Gray Clayey Silt, some fine to medium Sand, trace coarse Gravel-Wet		7-SS						BDL	
	15	8-SS						BDL	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 10 ft.	NOTE: Temporary groundwater observation well installed at the completion of drilling. Bottom of well set at 16± feet with 10-foot screen.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test borings is shown on the Boring Location Plan.

NORMAL BORING LOGS E0006034.GPJ GIL_CORP.GDT 2/11/13

GENERAL NOTES

SAMPLE IDENTIFICATION

All samples are visually classified in general accordance with the Unified Soil Classification System (ASTM D-2487-75 or D-2488-75)

DESCRIPTIVE TERM (% BY DRY WEIGHT)

Trace:	1-10%
Little:	11-20%
Some:	21-35%
And/Adjective	36-50%

PARTICLE SIZE (DIAMETER)

Boulders:	8 in and larger
Cobbles:	3 in to 8 in
Gravel:	coarse - ¾ to 3 in
	fine - No. 4 (4.76 mm) to ¾ in
Sand:	coarse - No. 4 (4.76 mm) to No. 10 (2.0 mm)
	medium - No. 10 (2.0 mm) to No. 40 (0.42 mm)
	fine - No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt:	No. 200 (0.074 mm) and smaller (Non-plastic)
Clay:	No. 200 (0.074 mm) and smaller (Plastic)

SOIL PROPERTY SYMBOLS

Dd:	Dry Density (pcf)
LL:	Liquid Limit, percent
PL:	Plastic Limit, percent
PI:	Plasticity Index (LL-PL)
LOI:	Loss on Ignition, percent
Gs:	Specific Gravity
K:	Coefficient of Permeability
w:	Moisture content, percent
qp:	Calibrated Penetrometer Resistance, tsf
qs:	Vane-Shear Strength, tsf
qu:	Unconfined Compressive Strength, tsf
qc:	Static Cone Penetrometer Resistance Correlated to Unconfined Compressive Strength, tsf
PID:	Results of vapor analysis conducted on representative samples utilizing a Photoionization Detector calibrated to a benzene standard. Results expressed in HNU-units (BDL=Below Detection Limits)

DRILLING AND SAMPLING SYMBOLS

SS:	Split-Spoon
ST:	Shelby Tube - 3" O.D. (except where noted)
CS:	3" O.D. California Ring Sampler
DC:	Dynamic Cone Penetrometer per ASTM Special Technical Publication No. 399
AU:	Auger Sample
DB:	Diamond Bit
CB:	Carbide Bit
WS:	Wash Sample
RB:	Rock-Roller Bit
BS:	Bulk Sample
Note:	Depth intervals for sampling shown on Record of Subsurface Exploration are not indicative of sample recovery, but position where sampling initiated

N: Penetration Resistance per 6 inch interval, or fraction thereof, for a standard 2 inch O.D. (1⅜ inch I.D.) split spoon sampler driven with a 140 pound weight free-falling 30 inches. Performed in general accordance with Standard Penetration Test Specifications (ASTM D-1586). N in blows per foot equals sum of N values where plus sign is shown

Nc: Penetration Resistance per 1¾ inches of Dynamic Cone Penetrometer. Approximately equivalent to Standard Penetration Test N-Value in blows per foot.

Nr: Penetration Resistance per 6 inch interval, or fraction thereof, for California Ring Sampler driven with a 140 pound weight free-falling 30 inches per ASTM D-3550. Not equivalent to Standard Penetration Test N-Value.

SOIL STRENGTH CHARACTERISTICS

COHESIVE (CLAYEY) SOILS

COMPARATIVE CONSISTENCY	BLOWS PER FOOT (N)	UNCONFINED COMPRESSIVE STRENGTH (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25-0.50
Medium Stiff	5-8	0.50-1.00
Stiff	9-15	1.00-2.00
Very Stiff	16-30	2.00-4.00
Hard	31+	4.00+

DEGREE OF PLASTICITY	PI
None to Slight	0-4
Slight	5-10
Medium	11-30
High to Very High	31+

DEGREE OF EXPANSIVE POTENTIAL	PI
Low	0-15
Medium	15-25
High	25+

NON-COHESIVE (GRANULAR) SOILS

RELATIVE DENSITY	BLOWS PER FOOT (N)
Very Loose	0-4
Loose	5-10
Firm	11-30
Dense	31-50
Very Dense	51+

ATTACHMENT C

Monitoring Well Construction and Development Forms

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: MW1 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Construction Activity | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 16 Casing Diameter (in.): 2
Casing Depth (ft.): 16

Lower Drillhole Diameter (in.): 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 9.6

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable
Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable
Screen Removed? ☐ Yes ☐ No [X] Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? [X] Yes ☐ No
Did Sealing Material Rise to Surface? [X] Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes [X] No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 1/21/2

Signature of Person Doing Work: Tom Brown | Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Rd | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: MW2 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: construction activity | WI Unique Well No. of Replacement Well _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 16 Casing Diameter (in.): 2
Casing Depth (ft.): 16

Lower Drillhole Diameter (in.): 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 8.9

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable
Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable
Screen Removed? ☐ Yes ☐ No [X] Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? [X] Yes ☐ No
Did Sealing Material Rise to Surface? [X] Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes [X] No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering | Date of Abandonment: 1/21/2

Signature of Person Doing Work: [signature] | Date Signed: 12/18/0

Street or Route: N8 W22350 Johnson Rd | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: MW3 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: construction activity | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 18 Casing Diameter (in.): 2
Casing Depth (ft.): 18

Lower Drillhole Diameter (in.): 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 17.41

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable
Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable
Screen Removed? ☐ Yes ☐ No [X] Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? [X] Yes ☐ No
Did Sealing Material Rise to Surface? [X] Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes [X] No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	18	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering | Date of Abandonment: 1/21/2

Signature of Person Doing Work: Don Giles | Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
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State of Wisconsin
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WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name MW4 _____ Gov't Lot (If applicable)

SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W
Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___° ___' ___.___" Long ___° ___' ___.___" or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: construction activity

WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 18 (From groundsurface) Casing Diameter (in.) 2
Casing Depth (ft.) 18

Lower Drillhole Diameter (in.) 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 8.22

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	18	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering | Date of Abandonment: 6/11/1

Signature of Person Doing Work: Dan Giles | Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Rd | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-1

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable) ___0___ Gov't Lot ___0___ Grid Number

Grid Location ___0___ ft. [ ] N. [ ] S., ___0___ ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___ ___ ___ ___ ___

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 18 (From groundsurface)

Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
For monitoring wells and monitoring well boreholes only

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	18	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates

Signature of Person Doing Work: Tom Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-2

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)
___0___ Gov't Lot ___0___ Grid Number

Grid Location
___0___ ft. [ ] N. [ ] S., ___0___ ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 18 (From groundsurface)
Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
For monitoring wells and monitoring well boreholes only
[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	18	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates

Signature of Person Doing Work: Tom Bauer
Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road
Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-3

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 18 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [ ] No [X] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain

Was Casing Cut Off Below Surface? [ ] Yes [ ] No
Did Sealing Material Rise to Surface? [ ] Yes [ ] No
Did Material Settle After 24 Hours? [ ] Yes [ ] No
If Yes, Was Hole Retopped? [ ] Yes [ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only

[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	18	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates

Signature of Person Doing Work: [signature]

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-4

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location: 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name:

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable):

WI Unique Well No.: _ _ _ _ _

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
For monitoring wells and monitoring well boreholes only

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates

Signature of Person Doing Work: [signature]

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-5

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [ ] No [X] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain

Was Casing Cut Off Below Surface? [ ] Yes [ ] No
Did Sealing Material Rise to Surface? [ ] Yes [ ] No
Did Material Settle After 24 Hours? [ ] Yes [ ] No
If Yes, Was Hole Retopped? [ ] Yes [ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only

[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates

Signature of Person Doing Work: Tom Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-6

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [ ] No [X] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain

Was Casing Cut Off Below Surface? [ ] Yes [ ] No
Did Sealing Material Rise to Surface? [ ] Yes [ ] No
Did Material Settle After 24 Hours? [ ] Yes [ ] No
If Yes, Was Hole Retopped? [ ] Yes [ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only

[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates

Signature of Person Doing Work: Jon Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-7

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates

Signature of Person Doing Work: Dan Giles

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-8

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

For monitoring wells and monitoring well boreholes only

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates

Signature of Person Doing Work: Dan Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

ATTACHMENT D

Soil and Groundwater Investigative Waste Disposal Documentation

WMOO91-C

Cambridge Business Forms (847) 519-1800

(DRIVER: PLEASE SIGN BELOW)

106122

REFERENCE NO. 897533 07/21/2003

DRIVER SIGN HERE

LOCATION

Loc ID County ST Pct
MILW MILWAUKEE WI 100%

GROSS: 6.940 Man Wt
TARE: 4.620 Man Wt
NET: 2.320

Oper Time Date
In: ACL 02:23 PM 07/21/2003
Out: ACL 02:23 PM 07/21/2003

COMMENTS:

Orchard Ridge RDF
W124 N9355 Boundary Road
Menomonee Falls, WI 53051
262-253-8620 FAX: 262-253-1322

CUSTOMER NO. 0001923

TRUCK NO. 622

CUSTOMER:
GILES - BIO489443
N8 W22350 JOHNSON ROAD
WAUKESHA WI 53186

PROFILE NO. BIO489433

MANIFEST NO.

PERMIT NO. 621393

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
DRB	DRUM DISP./BIOREMEDI	7.00	
TRS	TRANSPORTATION CHRG.	1.00	

ORCHARD RIDGE

SPECIAL WASTE MANIFEST DISPOSAL TICKET 621393

WM A Waste Management Company

BILL TO: Giles Engineering Associates 1923

TRANSPORTER: Waste Management

GENERATOR: City of Milwaukee - Police Athletic League Facility

GENERATORS SIGNATURE: ____ / ____ / ____ Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # BIO489433

ACCEPTED BY: Tom Bauman ____ / ____ / ____ Date

DRIVERS SIGNATURE: Fred Bence 7/21/03 Date

Drums located at:

Giles Engineering
N8 W22350 Johnson Road, Suite A
Waukesha, WI

7-21-03

Ask for Tom Bauman

#622

TRUCK NO. 602546 7 Drums TONS/YARDS

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-94

City of Waukesha
Wastewater Treatment Facilities

Peter M. Conine
Superintendent

Randall J. Thater
Process Control Supervisor

Gary C. Smith
Industrial Waste Specialist

Jeff T. Harenda
Maintenance Supervisor

January 23, 2003

Mr. Thomas J. Bauman
Giles Engineering Associates
N8 W22350 Johnson Rd – SuiteA1
Waukesha, WI 53186

Mr. Bauman:

The wastewater proposed to discharge for treatment by the City of Waukesha is acceptable. The contaminated groundwater has been generated during the investigation of the site at 2221-2319 W. Auer Ave., Milwaukee. Approximately 100 gallons of the water will be treated upon discharge to the sanitary system. The samples contained minor contamination with organic compounds. The concentration of the contaminants is inconsequential. The wastewater will be discharged to the system at the plant grounds. Please register at the Administration Building before proceeding.

Since the volume is insignificant, the city will treat the waste at no cost.

If there are any further questions regarding this issue, please contact me.

Sincerely,

Gary C. Smith
Industrial Waste Specialist

600 Sentry Drive – Waukesha, Wisconsin 53186-5950
Phone (262) 524-3625 Fax (262) 524-3632
Equal Opportunity / Affirmative Action Employer

City of Waukesha
Wastewater Treatment Facilities

Peter M. Conine
Superintendent

Randall J. Thater
Process Control Supervisor

Gary C. Smith
Industrial Waste Specialist

Jeff T. Harenda
Maintenance Supervisor

RECEIVED
APR 21 2003

April 22, 2003

Mr. Thomas J. Bauman
Giles Engineering Associates
N8 W22350 Johnson Rd – SuiteA1
Waukesha, WI 53186

Mr. Bauman:

The wastewater proposed to discharge for treatment by the City of Waukesha is acceptable. The contaminated groundwater has been generated during the investigation of the site at 2221-2319 W. Auer Ave., Milwaukee. Approximately 55 gallons of the water will be treated upon discharge to the sanitary system. The samples contained minor contamination with organic compounds. The concentration of the contaminants is inconsequential. The wastewater will be discharged to the system at the plant grounds. Please register at the Administration Building before proceeding.

Since the volume is insignificant, the city will treat the waste at no cost.

If there are any further questions regarding this issue, please contact me.

Sincerely,

Gary C. Smith
Industrial Waste Specialist

600 Sentry Drive – Waukesha, Wisconsin 53186-5950
Phone (262) 524-3625 Fax (262) 524-3632

Equal Opportunity / Affirmative Action Employer

ATTACHMENT E

Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: MW1 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Construction Activity | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 16 Casing Diameter (in.): 2
Casing Depth (ft.): 16

Lower Drillhole Diameter (in.): 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 9.6

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable
Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable
Screen Removed? ☐ Yes ☐ No [X] Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? [X] Yes ☐ No
Did Sealing Material Rise to Surface? [X] Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes [X] No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 1/21/2

Signature of Person Doing Work: Tom Brown | Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Rd | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: MW2 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: construction activity | WI Unique Well No. of Replacement Well _ _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 16 Casing Diameter (in.): 2
Casing Depth (ft.): 16

Lower Drillhole Diameter (in.): 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 8.9

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable
Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable
Screen Removed? ☐ Yes ☐ No [X] Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? [X] Yes ☐ No
Did Sealing Material Rise to Surface? [X] Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes [X] No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering | Date of Abandonment: 1/21/2

Signature of Person Doing Work: [signature] | Date Signed: 12/18/0

Street or Route: N8 W22350 Johnson Rd | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: MW3 _____ Gov't Lot (If applicable)

Grid Location: SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: construction activity | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 18 Casing Diameter (in.): 2
Casing Depth (ft.): 18

Lower Drillhole Diameter (in.): 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet): 17.41

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No [X] Not Applicable
Liner(s) Removed? ☐ Yes ☐ No [X] Not Applicable
Screen Removed? ☐ Yes ☐ No [X] Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? [X] Yes ☐ No
Did Sealing Material Rise to Surface? [X] Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes [X] No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	18	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering | Date of Abandonment: 1/21/2

Signature of Person Doing Work: Don Giles | Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name MW4 _____ Gov't Lot (If applicable)

SE 1/4 of SW 1/4 of Sec. 7 ; T. 7 N; R. 22 [X] E ☐ W
Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___° ___' ___.___" Long ___° ___' ___.___" or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: construction activity

WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 2221-2319 W. Auer Ave

City, Village, or Town: Milwaukee

Present Well Owner: Central City Construction | Original Owner

Street Address or Route of Owner: 1300 N. 4th Street

City, State, Zip Code: Milwaukee WI 53202-

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date 9/8/0

[X] Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 18 (From groundsurface) Casing Diameter (in.) 2
Casing Depth (ft.) 18

Lower Drillhole Diameter (in.) 8.25

Was Well Annular Space Grouted? ☐ Yes [X] No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 8.22

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	[X] Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
bentonite chips	Surface	18	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering | Date of Abandonment: 6/11/1

Signature of Person Doing Work: Dan Giles | Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Rd | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-1

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable) ___0___ Gov't Lot ___0___ Grid Number

Grid Location ___0___ ft. [ ] N. [ ] S., ___0___ ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___ ___ ___ ___ ___

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 18 (From groundsurface)

Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
For monitoring wells and monitoring well boreholes only

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	18	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates

Signature of Person Doing Work: Tom Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-2

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)
___0___ Gov't Lot ___0___ Grid Number

Grid Location
___0___ ft. [ ] N. [ ] S., ___0___ ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 18 (From groundsurface)
Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
For monitoring wells and monitoring well boreholes only
[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	18	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates

Signature of Person Doing Work: Tom Bauer
Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road
Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-3

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 18 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [ ] No [X] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain

Was Casing Cut Off Below Surface? [ ] Yes [ ] No
Did Sealing Material Rise to Surface? [ ] Yes [ ] No
Did Material Settle After 24 Hours? [ ] Yes [ ] No
If Yes, Was Hole Retopped? [ ] Yes [ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only

[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	18	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates

Signature of Person Doing Work: [signature]

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-4

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location: 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name:

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable):

WI Unique Well No.: _ _ _ _ _

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
For monitoring wells and monitoring well boreholes only

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work
Giles Engineering Associates

Signature of Person Doing Work: [signature]

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-5

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 8

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [ ] No [X] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain

Was Casing Cut Off Below Surface? [ ] Yes [ ] No
Did Sealing Material Rise to Surface? [ ] Yes [ ] No
Did Material Settle After 24 Hours? [ ] Yes [ ] No
If Yes, Was Hole Retopped? [ ] Yes [ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only

[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates

Signature of Person Doing Work: Tom Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-6

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed? [ ] Yes [ ] No [X] Not Applicable
Liner(s) Removed? [ ] Yes [ ] No [X] Not Applicable
Screen Removed? [ ] Yes [ ] No [X] Not Applicable
Casing Left in Place? [ ] Yes [ ] No
If No, Explain

Was Casing Cut Off Below Surface? [ ] Yes [ ] No
Did Sealing Material Rise to Surface? [ ] Yes [ ] No
Did Material Settle After 24 Hours? [ ] Yes [ ] No
If Yes, Was Hole Retopped? [ ] Yes [ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only

[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Giles Engineering Associates

Signature of Person Doing Work: Jon Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-7

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable)

0 Gov't Lot 0 Grid Number

Grid Location

0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials
[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates

Signature of Person Doing Work: Dan Giles

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: B-8

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. 0 ; T. 0 N; R. 0 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name

Street Address of Well: 2221-2319 W. Auer Ave.

City, Village: Milwaukee

(2) FACILITY NAME

Original Well Owner (If Known): Auer Avenue School

Present Well Owner: City of Milwaukee

Street or Route: 2221-2319 W. Auer Ave.

City, State, Zip Code: Milwaukee WI

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment: Probe Termination

Date of Abandonment: 8/3/00

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8/3/00

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 16 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 3

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown

If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 10

Pump & Piping Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[X] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No
Did Sealing Material Rise to Surface?	[ ] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[ ] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material

[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [X] Other (Explain) gravity

(6) Sealing Materials

For monitoring wells and monitoring well boreholes only

[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[X] Chipped Bentonite
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

(7)

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant (Circle One)	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16	0.5	
	0	0	0	
	0	0	0	
	0	0	0	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates

Signature of Person Doing Work: Dan Bauer

Date Signed: 12/18/03

Street or Route: N8 W22350 Johnson Road

Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	[ ] Complying Work [ ] Noncomplying Work
Follow-up Necessary	

ATTACHMENT F

Soil Analytical Laboratory Reports and Chain-of-Custodies

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

- [x] N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- [ ] 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- [ ] 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- [ ] 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- [ ] 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- [ ] 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

- [ ] closure sample
- [ ] confirmation required (NR720)
- [ ] RUSH

POSSIBLE HAZARDS: _____

Site: Auer School

Address: 2221-2319 W. Auer Av, Milwaukee, WI

Sample Collector	Tom B.	Project Manager	Dick R.	Project Number	IE-0006034
Laboratory Used	APL	Lab Contact	Jim Chang	Lab Job Number	

Analysis Required

	Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	Pb	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
0656	B1, 12-14	12-14	Soil	8/3/00	AM/PM	565		X	X			X	2-C, 1-F	MeOH	STD		
0661	B1, 16-18	16-18	↓	↓	AM/PM	BDL		X	X				2-C, 1-F	↓	↓		
0657	B2, 8-10	8-10	↓	↓	AM/PM	BDL		X	X			X	2-C, ~~1-F~~	↓	↓		
0658	B3, 12-14	12-14	↓	↓	AM/PM	72,000		X	X			X	2-C, 1-F	↓	↓		
0662	B3, 16-18	16-18	↓	↓	AM/PM	22		X	X				2-C, 1-F	↓	↓		
0659	B4, 10-12	10-12	↓	↓	AM/PM	BDL		X	X			X	2-C, 1-F	↓	↓		
0660	B5, 8-10	8-10	↓	↓	AM/PM	BDL		X	X			X	2-C, 1-F	↓	↓		
0663	B6, 12-14	12-14	↓	↓	AM/PM	BDL		X	X				2-C, 1-F	↓	↓		
0664	B7, 6-8	6-8	↓	↓	AM/PM	BDL		X	X				2-C, 1-F	↓	↓		
0665	Methanol Trip Blank	—	—	8/3/00	AM/PM	—			X				1-C	↓	↓		
					AM/PM												
					AM/PM												

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
Tom Bannon	8/4/00	10:25 AM/PM	[signature]
		AM/PM	
		AM/PM	
		AM/PM	

INVOICE TO: Dick Reeseman
[ ] Send copy to Project Manager

REPORT TO: Dick Reeseman
[ ] same
[ ] PM

Page 1 of 2

forms.xls//COC 08/10/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: **20656**	*Percent Solid:*	*86.6%*	*QC Batch Number: 994954*			*Sample analyzed within 11 Day(s) from collection.*				
Client ID: **B1**	Sample Description:	**12-14**				*Collection: 8/3/2000*		*Time: 10:00*		
1,1,1-Trichloroethane	<50*	ug/kg	50	120	31	2.0		8260	cps	8/14/2000
1,1,2,2-Tetrachloroethane	<50*	ug/kg	50	120	44	2.0		8260	cps	8/14/2000
1,1,2-Trichloroethane	<50*	ug/kg	50	120	44	2.0		8260	cps	8/14/2000
1,1-Dichloroethane	<50*	ug/kg	50	120	32	2.0		8260	cps	8/14/2000
1,1-Dichloroethene	<50*	ug/kg	50	120	34	2.0		8260	cps	8/14/2000
1,2,3-Trichlorobenzene	<50*	ug/kg	50	120	50	2.0		8260	cps	8/14/2000
1,2,4-Trichlorobenzene	<50*	ug/kg	50	120	47	2.0		8260	cps	8/14/2000
1,2,4-Trimethylbenzene	161	ug/kg	50	120	30	2.0		8260	cps	8/14/2000
1,2-Dibromo-3-chloropropan	<50*	ug/kg	50	120	33	2.0		8260	cps	8/14/2000
1,2-Dichlorobenzene	<50*	ug/kg	50	120	34	2.0		8260	cps	8/14/2000
1,2-Dichloroethane	<50*	ug/kg	50	120	35	2.0		8260	cps	8/14/2000
1,2-Dichloropropane	<50*	ug/kg	50	120	32	2.0		8260	cps	8/14/2000
1,3,5-Trimethylbenzene	<50*	ug/kg	50	120	34	2.0		8260	cps	8/14/2000
1,3-Dichlorobenzene	<50*	ug/kg	50	120	26	2.0		8260	cps	8/14/2000
1,3-Dichloropropane	<50*	ug/kg	50	120	39	2.0		8260	cps	8/14/2000
1,4-Dichlorobenzene	<50*	ug/kg	50	120	36	2.0		8260	cps	8/14/2000
2,2-Dichloropropane	<50*	ug/kg	50	120	27	2.0		8260	cps	8/14/2000
2-Chlorotoluene	<50*	ug/kg	50	120	30	2.0		8260	cps	8/14/2000
4-Chlorotoluene	<50*	ug/kg	50	120	26	2.0		8260	cps	8/14/2000
Benzene	<50*	ug/kg	50	120	27	2.0		8260	cps	8/14/2000
Bromobenzene	<50*	ug/kg	50	120	31	2.0		8260	cps	8/14/2000
Bromodichloromethane	<50*	ug/kg	50	120	38	2.0		8260	cps	8/14/2000
Carbon tetrachloride	<50*	ug/kg	50	120	27	2.0		8260	cps	8/14/2000
Chlorobenzene	<50*	ug/kg	50	120	26	2.0		8260	cps	8/14/2000
Chloroethane	<64	ug/kg	50	120	64	2.0		8260	cps	8/14/2000
Chloroform	<50*	ug/kg	50	120	24	2.0		8260	cps	8/14/2000
Chloromethane	<50*	ug/kg	50	120	49	2.0		8260	cps	8/14/2000
cis-1,2-Dichloroethene	<50*	ug/kg	50	120	27	2.0		8260	cps	8/14/2000
Dibromochloromethane	<50*	ug/kg	50	120	41	2.0		8260	cps	8/14/2000
Dichlorodifluoromethane	<50*	ug/kg	50	120	27	2.0		8260	cps	8/14/2000
Ethylbenzene	279	ug/kg	50	120	25	2.0		8260	cps	8/14/2000
Hexachlorobutadiene	<50*	ug/kg	50	120	42	2.0		8260	cps	8/14/2000
Isopropyl Ether	<50*	ug/kg	50	120	30	2.0		8260	cps	8/14/2000
Isopropylbenzene	137	ug/kg	50	120	33	2.0		8260	cps	8/14/2000
m&p-xylene	79	ug/kg	50	120	53	2.0	*J*	8260	cps	8/14/2000
Methylene chloride	1170	ug/kg	50	120	30	2.0	B	8260	cps	8/14/2000
MTBE	<50*	ug/kg	50	120	39	2.0		8260	cps	8/14/2000
n-Butylbenzene	<50*	ug/kg	50	120	36	2.0		8260	cps	8/14/2000

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
n-Propylbenzene	348	ug/kg	50	120	28	2.0		8260	cps	8/14/2000
Naphthalene	<75	ug/kg	50	120	75	2.0		8260	cps	8/14/2000
o-xylene	<50*	ug/kg	50	120	25	2.0		8260	cps	8/14/2000
p-Isopropyltoluene	336	ug/kg	50	120	31	2.0		8260	cps	8/14/2000
sec-Butylbenzene	365	ug/kg	50	120	34	2.0		8260	cps	8/14/2000
tert-Butylbenzene	<50*	ug/kg	50	120	30	2.0		8260	cps	8/14/2000
Tetrachloroethene	<50*	ug/kg	50	120	31	2.0		8260	cps	8/14/2000
Toluene	<50*	ug/kg	50	120	29	2.0		8260	cps	8/14/2000
trans-1,2-Dichloroethene	<50*	ug/kg	50	120	25	2.0		8260	cps	8/14/2000
Trichloroethene	<50*	ug/kg	50	120	35	2.0		8260	cps	8/14/2000
Trichlorofluoromethane	<50*	ug/kg	50	120	24	2.0		8260	cps	8/14/2000
Vinyl chloride	<50*	ug/kg	50	120	21	2.0		8260	cps	8/14/2000

Sample Number: **20657** *Percent Solid: 95.2%* *QC Batch Number: 994900* *Sample analyzed within 6 Day(s) from collection.*
Client ID: **B2** Sample Description: **8-10** *Collection: 8/3/2000* *Time: 10:30*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	8/9/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	8/9/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0	8260	cps	8/9/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0	8260	cps	8/9/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0	8260	cps	8/9/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0	8260	cps	8/9/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0	8260	cps	8/9/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0	8260	cps	8/9/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0	8260	cps	8/9/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	8/9/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0	8260	cps	8/9/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0	8260	cps	8/9/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0	8260	cps	8/9/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/9/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0	8260	cps	8/9/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0	8260	cps	8/9/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0	8260	cps	8/9/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0	8260	cps	8/9/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/9/2000
Benzene	82	ug/kg	25	60	13	1.0	8260	cps	8/9/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0	8260	cps	8/9/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0	8260	cps	8/9/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0	8260	cps	8/9/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0	8260	cps	8/9/2000

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/9/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/9/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/9/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/9/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/9/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/9/2000

Sample Number: **20658** *Percent Solid: 89.4%* *QC Batch Number: 994954* *Sample analyzed within 11 Day(s) from collection.*
Client ID: **B3** Sample Description: **12-14** *Collection: 8/3/2000* *Time: 10:50*

1,1,1-Trichloroethane	<250*	ug/kg	250	600	157	10		8260	cps	8/14/2000
1,1,2,2-Tetrachloroethane	<250*	ug/kg	250	600	220	10		8260	cps	8/14/2000
1,1,2-Trichloroethane	<250*	ug/kg	250	600	219	10		8260	cps	8/14/2000
1,1-Dichloroethane	<250*	ug/kg	250	600	160	10		8260	cps	8/14/2000
1,1-Dichloroethene	<250*	ug/kg	250	600	171	10		8260	cps	8/14/2000
1,2,3-Trichlorobenzene	<250*	ug/kg	250	600	249	10		8260	cps	8/14/2000
1,2,4-Trichlorobenzene	<250*	ug/kg	250	600	234	10		8260	cps	8/14/2000
1,2,4-Trimethylbenzene	36400	ug/kg	250	600	151	10		8260	cps	8/14/2000
1,2-Dibromo-3-chloropropan	<250*	ug/kg	250	600	166	10		8260	cps	8/14/2000
1,2-Dichlorobenzene	<250*	ug/kg	250	600	170	10		8260	cps	8/14/2000

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

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8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dichloroethane	<250*	ug/kg	250	600	174	10		8260	cps	8/14/2000
1,2-Dichloropropane	<250*	ug/kg	250	600	161	10		8260	cps	8/14/2000
1,3,5-Trimethylbenzene	4360	ug/kg	250	600	172	10		8260	cps	8/14/2000
1,3-Dichlorobenzene	<250*	ug/kg	250	600	130	10		8260	cps	8/14/2000
1,3-Dichloropropane	<250*	ug/kg	250	600	195	10		8260	cps	8/14/2000
1,4-Dichlorobenzene	<250*	ug/kg	250	600	178	10		8260	cps	8/14/2000
2,2-Dichloropropane	<250*	ug/kg	250	600	137	10		8260	cps	8/14/2000
2-Chlorotoluene	<250*	ug/kg	250	600	149	10		8260	cps	8/14/2000
4-Chlorotoluene	<250*	ug/kg	250	600	132	10		8260	cps	8/14/2000
Benzene	<250*	ug/kg	250	600	135	10		8260	cps	8/14/2000
Bromobenzene	<250*	ug/kg	250	600	155	10		8260	cps	8/14/2000
Bromodichloromethane	<250*	ug/kg	250	600	192	10		8260	cps	8/14/2000
Carbon tetrachloride	<250*	ug/kg	250	600	134	10		8260	cps	8/14/2000
Chlorobenzene	<250*	ug/kg	250	600	130	10		8260	cps	8/14/2000
Chloroethane	<318	ug/kg	250	600	318	10		8260	cps	8/14/2000
Chloroform	<250*	ug/kg	250	600	121	10		8260	cps	8/14/2000
Chloromethane	<250*	ug/kg	250	600	247	10		8260	cps	8/14/2000
cis-1,2-Dichloroethene	<250*	ug/kg	250	600	136	10		8260	cps	8/14/2000
Dibromochloromethane	<250*	ug/kg	250	600	204	10		8260	cps	8/14/2000
Dichlorodifluoromethane	<250*	ug/kg	250	600	133	10		8260	cps	8/14/2000
Ethylbenzene	4550	ug/kg	250	600	127	10		8260	cps	8/14/2000
Hexachlorobutadiene	<250*	ug/kg	250	600	209	10		8260	cps	8/14/2000
Isopropyl Ether	<250*	ug/kg	250	600	149	10		8260	cps	8/14/2000
Isopropylbenzene	1010	ug/kg	250	600	164	10		8260	cps	8/14/2000
m&p-xylene	5450	ug/kg	250	600	267	10		8260	cps	8/14/2000
Methylene chloride	<250*	ug/kg	250	600	152	10	B	8260	cps	8/14/2000
MTBE	<250*	ug/kg	250	600	195	10		8260	cps	8/14/2000
n-Butylbenzene	<250*	ug/kg	250	600	179	10		8260	cps	8/14/2000
n-Propylbenzene	5100	ug/kg	250	600	141	10		8260	cps	8/14/2000
Naphthalene	2100	ug/kg	250	600	377	10		8260	cps	8/14/2000
o-xylene	897	ug/kg	250	600	125	10		8260	cps	8/14/2000
p-Isopropyltoluene	905	ug/kg	250	600	157	10		8260	cps	8/14/2000
sec-Butylbenzene	<250*	ug/kg	250	600	169	10		8260	cps	8/14/2000
tert-Butylbenzene	<250*	ug/kg	250	600	151	10		8260	cps	8/14/2000
Tetrachloroethene	<250*	ug/kg	250	600	153	10		8260	cps	8/14/2000
Toluene	<250*	ug/kg	250	600	146	10		8260	cps	8/14/2000
trans-1,2-Dichloroethene	<250*	ug/kg	250	600	127	10		8260	cps	8/14/2000
Trichloroethene	<250*	ug/kg	250	600	173	10		8260	cps	8/14/2000
Trichlorofluoromethane	<250*	ug/kg	250	600	120	10		8260	cps	8/14/2000
Vinyl chloride	<250*	ug/kg	250	600	107	10		8260	cps	8/14/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Sample Number: 20659 *Percent Solid:* 85 % *QC Batch Number:* 994900 *Sample analyzed within* 6 *Day(s) from collection.*
Client ID: B4 Sample Description: 10-12 *Collection:* 8/3/2000 *Time:* 11:30

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/9/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/9/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/9/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/9/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/9/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/9/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/9/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/9/2000

Sample Number: **20660** *Percent Solid: 84.7%* *QC Batch Number: 994900* *Sample analyzed within 6 Day(s) from collection.*
Client ID: **B5** Sample Description: **8-10** *Collection: 8/3/2000* *Time: 11:50*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/9/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/9/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/9/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/9/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/9/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/9/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/9/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/9/2000

Sample Number: **20661** *Percent Solid: 84.5%* *QC Batch Number: 994900* *Sample analyzed within 6 Day(s) from collection.*
Client ID: **B1** Sample Description: **16-18** *Collection: 8/3/2000* *Time: 10:20*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/9/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/9/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/9/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/9/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/9/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/9/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/9/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/9/2000

Sample Number: 20662 *Percent Solid: 85.7%* *QC Batch Number: 994905* *Sample analyzed within 7 Day(s) from collection.*
Client ID: B3 Sample Description: 16-18 *Collection: 8/3/2000* *Time: 11:00*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	221	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	32	ug/kg	25	60	13	1.0	J	8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
m&p-xylene	35	ug/kg	25	60	27	1.0	J	8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	34	ug/kg	25	60	14	1.0	J	8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Sample Number: **20663** *Percent Solid: 84.6%* *QC Batch Number: 994900* *Sample analyzed within 6 Day(s) from collection.*
Client ID: **B6** Sample Description: **12-14** *Collection: 8/3/2000* *Time: 12:30*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/9/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/9/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/9/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/9/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/9/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/9/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/9/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/9/2000

Sample Number: **20664** *Percent Solid: 78.3 %* *QC Batch Number: 994900* *Sample analyzed within 6 Day(s) from collection.*
Client ID: **B7** Sample Description: **6-8** *Collection: 8/3/2000* *Time: 13:00*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/9/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/9/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/9/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/9/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/9/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/9/2000
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/9/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/9/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/9/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/9/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/9/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/9/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/9/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/9/2000

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/9/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/9/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/9/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/9/2000

Sample Number: **20665** *Percent Solid: 100%* *QC Batch Number: 994905* *Sample analyzed within 7 Day(s) from collection.*
Client ID: **Blank** Sample Description: *Collection: 8/3/2000* *Time:*

1,1,1-Trichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1,2,2-Tetrachloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1,2-Trichloroethane	<25*	ug/kg	25	60	22	1.0		8260	cps	8/10/2000
1,1-Dichloroethane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,1-Dichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2,3-Trichlorobenzene	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
1,2,4-Trichlorobenzene	<25*	ug/kg	25	60	23	1.0		8260	cps	8/10/2000
1,2,4-Trimethylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
1,2-Dibromo-3-chloropropan	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichlorobenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloroethane	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,2-Dichloropropane	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
1,3,5-Trimethylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
1,3-Dichlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
1,3-Dichloropropane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
1,4-Dichlorobenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
2,2-Dichloropropane	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
2-Chlorotoluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
4-Chlorotoluene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Benzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Bromobenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
Bromodichloromethane	<25*	ug/kg	25	60	19	1.0		8260	cps	8/10/2000
Carbon tetrachloride	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chlorobenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Chloroethane	<32	ug/kg	25	60	32	1.0		8260	cps	8/10/2000
Chloroform	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Chloromethane	<25*	ug/kg	25	60	25	1.0		8260	cps	8/10/2000
cis-1,2-Dichloroethene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Dibromochloromethane	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
Dichlorodifluoromethane	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Ethylbenzene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Hexachlorobutadiene	<25*	ug/kg	25	60	21	1.0		8260	cps	8/10/2000

* *According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.*

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-2319

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Isopropyl Ether	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Isopropylbenzene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
m&p-xylene	<27	ug/kg	25	60	27	1.0		8260	cps	8/10/2000
Methylene chloride	<25*	ug/kg	25	60	15	1.0	B	8260	cps	8/10/2000
MTBE	<25*	ug/kg	25	60	20	1.0		8260	cps	8/10/2000
n-Butylbenzene	<25*	ug/kg	25	60	18	1.0		8260	cps	8/10/2000
n-Propylbenzene	<25*	ug/kg	25	60	14	1.0		8260	cps	8/10/2000
Naphthalene	<38	ug/kg	25	60	38	1.0		8260	cps	8/10/2000
o-xylene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
p-Isopropyltoluene	<25*	ug/kg	25	60	16	1.0		8260	cps	8/10/2000
sec-Butylbenzene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
tert-Butylbenzene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Tetrachloroethene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
Toluene	<25*	ug/kg	25	60	15	1.0		8260	cps	8/10/2000
trans-1,2-Dichloroethene	<25*	ug/kg	25	60	13	1.0		8260	cps	8/10/2000
Trichloroethene	<25*	ug/kg	25	60	17	1.0		8260	cps	8/10/2000
Trichlorofluoromethane	<25*	ug/kg	25	60	12	1.0		8260	cps	8/10/2000
Vinyl chloride	<25*	ug/kg	25	60	11	1.0		8260	cps	8/10/2000

Approved By: _____ **Date:** 8/17/00
James Chang, Ph.D. , Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Samples less than 20 g, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

**** According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.***

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-231

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 20656		QC Batch Number: 994964					Collection: 8/3/2000		Time: 10:00	
Client ID: B1		%Solid: *86.6*					Sample Description: 12-14			
Diesel Range Organics	**3.8**	**mg/kg**	1.1	3	1		WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20657		QC Batch Number: 994964					Collection: 8/3/2000		Time: 10:30	
Client ID: B2		%Solid: *95.2*					Sample Description: 8-10			
Diesel Range Organics	**2.2**	**mg/kg**	1.0	3	1	*J*	WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20658		QC Batch Number: 994964					Collection: 8/3/2000		Time: 10:50	
Client ID: B3		%Solid: *89.4*					Sample Description: 12-14			
Diesel Range Organics	**6.1**	**mg/kg**	1.1	3	1		WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20659		QC Batch Number: 994964					Collection: 8/3/2000		Time: 11:30	
Client ID: B4		%Solid: *85*					Sample Description: 10-12			
Diesel Range Organics	**2.4**	**mg/kg**	1.1	3	1	*J*	WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20660		QC Batch Number: 994964					Collection: 8/3/2000		Time: 11:50	
Client ID: B5		%Solid: *84.7*					Sample Description: 8-10			
Diesel Range Organics	**3.6**	**mg/kg**	1.1	3	1	*J*	WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20661		QC Batch Number: 994964					Collection: 8/3/2000		Time: 10:20	
Client ID: B1		%Solid: *84.5*					Sample Description: 16-18			
Diesel Range Organics	**4.7**	**mg/kg**	1.1	3	1		WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20662		QC Batch Number: 994964					Collection: 8/3/2000		Time: 11:00	
Client ID: B3		%Solid: *85.7*					Sample Description: 16-18			
Diesel Range Organics	**4.5**	**mg/kg**	1.1	3	1		WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20663		QC Batch Number: 994964					Collection: 8/3/2000		Time: 12:30	
Client ID: B6		%Solid: *84.6*					Sample Description: 12-14			
Diesel Range Organics	**2.4**	**mg/kg**	1.1	3	1	*J*	WI DRO	qh	8/10/2000	8/16/2000
APL Sample Number: 20664		QC Batch Number: 994964					Collection: 8/3/2000		Time: 13:00	
Client ID: B7		%Solid: *78.3*					Sample Description: 6-8			
Diesel Range Organics	**4.5**	**mg/kg**	1.2	4	1		WI DRO	qh	8/10/2000	8/16/2000

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000570
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-231

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.

Approved By: _____ **Date:** 8/17/0

James Chang, Ph.D. , Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000570**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 20663										
Client ID: **B6**							Collection: 8/3/2000			Time: 12:30
							Sample Description: 12-14			
Solids, Total Percent	**85**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20664										
Client ID: **B7**							Collection: 8/3/2000			Time: 13:00
							Sample Description: 6-8			
Solids, Total Percent	**78**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20665										
Client ID: **Blank**							Collection: 8/3/2000			Time:
							Sample Description:			
Solids, Total Percent	**100**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	

Approved By: _____ **Date:** 8/17/00
James Chang, Ph.D. , Lab Director

DB *Results expressed as dry weight.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20000570**
DATE REPORTED: 17-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 20656										
Client ID: **B1**							Collection: 8/3/2000			Time: 10:00
							Sample Description: 12-14			
Lead - ICAP	**16**	**mg/kg**	**DB**	3.08	9.8	6010	tm	8/8/2000	*994885*	
Solids, Total Percent	**87**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20657										
Client ID: **B2**							Collection: 8/3/2000			Time: 10:30
							Sample Description: 8-10			
Lead - ICAP	**7.7**	**mg/kg**	***J* DB**	2.63	8.4	6010	tm	8/8/2000	*994885*	
Solids, Total Percent	**95**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20658										
Client ID: **B3**							Collection: 8/3/2000			Time: 10:50
							Sample Description: 12-14			
Lead - ICAP	**8.4**	**mg/kg**	***J* DB**	2.8	8.9	6010	tm	8/8/2000	*994885*	
Solids, Total Percent	**89**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20659										
Client ID: **B4**							Collection: 8/3/2000			Time: 11:30
							Sample Description: 10-12			
Lead - ICAP	**7.7**	**mg/kg**	***J* DB**	2.94	9.4	6010	tm	8/8/2000	*994885*	
Solids, Total Percent	**85**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20660										
Client ID: **B5**							Collection: 8/3/2000			Time: 11:50
							Sample Description: 8-10			
Lead - ICAP	**10**	**mg/kg**	**DB**	2.95	9.4	6010	tm	8/8/2000	*994885*	
Solids, Total Percent	**85**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20661										
Client ID: **B1**							Collection: 8/3/2000			Time: 10:20
							Sample Description: 16-18			
Solids, Total Percent	**85**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	
Nova Sample Number: 20662										
Client ID: **B3**							Collection: 8/3/2000			Time: 11:00
							Sample Description: 16-18			
Solids, Total Percent	**86**	**%**	**#**			SM 2540	tn	8/8/2000	*994866*	

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Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY _____

Site _____

- ☐ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

Address 2221-2319 W. Burleigh St
Milwaukee, WI

POSSIBLE HAZARDS: _____

Sample Collector	Dick Reesman	Project Manager	Dick Reesman	Project Number	1E-0006034
Laboratory Used	APL.	Lab Contact		Lab Job Number	

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC + Naphth	BTEX	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
21139 MW2	6-8	Soil	9/8 2000	11:00 AM PM	BDL	X	X		X		2-C	MeOH	STD		
21140 MW3	8-10			11:45 AM PM	BDL	X	X		X		2-C				
21141 MW4	8-10			12:45 AM PM	BDL	X	X		X		2-C				
21142 Trip Blank				AM PM					X		1-C				
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
Dick Reesman	9/11/00	9:00 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☐ Send copy to Project Manager
Giles

REPORT TO: ☐ same ☐ PM
Giles

Page 1 of 1

forms.xls//COC 08/10/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000655
DATE REPORTED: 14-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 W.Burleig

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21139		QC Batch Number: 995171					Collection: 9/8/2000		Time: 11:00	
Client ID: MW2		%Solid: 82.9				Sample Description: 6-8				
Gas Range Organics	46	mg/kg	0.60	2	1		WI GRO	cps		9/12/2000
APL Sample Number: 21140		QC Batch Number: 995171					Collection: 9/8/2000		Time: 11:45	
Client ID: MW3		%Solid: 91.5				Sample Description: 8-10				
Gas Range Organics	.58	mg/kg	0.55	2	1	J	WI GRO	cps		9/12/2000
APL Sample Number: 21141		QC Batch Number: 995171					Collection: 9/8/2000		Time: 12:45	
Client ID: MW4		%Solid: 87				Sample Description: 8-10				
Gas Range Organics	< 0.57	mg/kg	0.57	2	1		WI GRO	cps		9/12/2000

Approved By: _____ **Date:** 9/21/00
James Chang, Ph.D., Lab Director

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LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

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DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000655
DATE REPORTED: 18-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 W.Burleigh ST

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: **21139**	*Percent Solid:*	*82.9%*	*QC Batch Number: 995203*			*Sample analyzed within*	*4*	*Day(s) from collection.*		
Client ID: **MW2**	Sample Description:	**6-8**				*Collection:*	*9/8/2000*	*Time:*	*11:00*	
1,2,4-Trimethyl Benzene	**3120**	**ug/kg**	25	60	24	1.0		WI PVOC	cps	9/12/2000
1,3,5-Trimethyl Benzene	**605**	**ug/kg**	25	60	19	1.0		WI PVOC	cps	9/12/2000
Benzene	**31**	**ug/kg**	25	60	16	1.0	*J*	WI PVOC	cps	9/12/2000
Ethylbenzene	**808**	**ug/kg**	25	60	15	1.0		WI PVOC	cps	9/12/2000
Meta/Para-Xylene	**757**	**ug/kg**	25	60	33	1.0		WI PVOC	cps	9/12/2000
MTBE	<25*	**ug/kg**	25	60	12	1.0		WI PVOC	cps	9/12/2000
Ortho-Xylene	**347**	**ug/kg**	25	60	18	1.0		WI PVOC	cps	9/12/2000
Toluene	**147**	**ug/kg**	25	60	18	1.0		WI PVOC	cps	9/12/2000
Sample Number: **21140**	*Percent Solid:*	*91.5%*	*QC Batch Number: 995203*			*Sample analyzed within*	*4*	*Day(s) from collection.*		
Client ID: **MW3**	Sample Description:	**8-10**				*Collection:*	*9/8/2000*	*Time:*	*11:45*	
1,2,4-Trimethyl Benzene	<25*	**ug/kg**	25	60	24	1.0		WI PVOC	cps	9/12/2000
1,3,5-Trimethyl Benzene	<25*	**ug/kg**	25	60	19	1.0		WI PVOC	cps	9/12/2000
Benzene	<25*	**ug/kg**	25	60	16	1.0		WI PVOC	cps	9/12/2000
Ethylbenzene	<25*	**ug/kg**	25	60	15	1.0		WI PVOC	cps	9/12/2000
Meta/Para-Xylene	<33	**ug/kg**	25	60	33	1.0		WI PVOC	cps	9/12/2000
MTBE	<25*	**ug/kg**	25	60	12	1.0		WI PVOC	cps	9/12/2000
Ortho-Xylene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	cps	9/12/2000
Toluene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	cps	9/12/2000
Sample Number: **21141**	*Percent Solid:*	*87%*	*QC Batch Number: 995203*			*Sample analyzed within*	*4*	*Day(s) from collection.*		
Client ID: **MW4**	Sample Description:	**8-10**				*Collection:*	*9/8/2000*	*Time:*	*12:45*	
1,2,4-Trimethyl Benzene	<25*	**ug/kg**	25	60	24	1.0		WI PVOC	cps	9/12/2000
1,3,5-Trimethyl Benzene	<25*	**ug/kg**	25	60	19	1.0		WI PVOC	cps	9/12/2000
Benzene	<25*	**ug/kg**	25	60	16	1.0		WI PVOC	cps	9/12/2000
Ethylbenzene	<25*	**ug/kg**	25	60	15	1.0		WI PVOC	cps	9/12/2000
Meta/Para-Xylene	<33	**ug/kg**	25	60	33	1.0		WI PVOC	cps	9/12/2000
MTBE	<25*	**ug/kg**	25	60	12	1.0		WI PVOC	cps	9/12/2000
Ortho-Xylene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	cps	9/12/2000
Toluene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	cps	9/12/2000
Sample Number: **21142**	*Percent Solid:*	*100%*	*QC Batch Number: 995203*			*Sample analyzed within*	*4*	*Day(s) from collection.*		
Client ID: **Trip Blank**	Sample Description:					*Collection:*	*9/8/2000*	*Time:*		
1,2,4-Trimethyl Benzene	<25*	**ug/kg**	25	60	24	1.0		WI PVOC	cps	9/12/2000

* ***According to LUST Release News, October 1994 Volume 4, Number 5, ; Laboratories are not required to report sample results that are below 25 ug/kg, but are required to report their actual MDL on the report.***

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000655
DATE REPORTED: 18-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 W.Burleigh ST

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
1,3,5-Trimethyl Benzene	<25*	ug/kg	25	60	19	1.0		WI PVOC	cps	9/12/2000
Benzene	<25*	ug/kg	25	60	16	1.0		WI PVOC	cps	9/12/2000
Ethylbenzene	<25*	ug/kg	25	60	15	1.0		WI PVOC	cps	9/12/2000
Meta/Para-Xylene	<33	ug/kg	25	60	33	1.0		WI PVOC	cps	9/12/2000
MTBE	<25*	ug/kg	25	60	12	1.0		WI PVOC	cps	9/12/2000
Ortho-Xylene	<25*	ug/kg	25	60	18	1.0		WI PVOC	cps	9/12/2000
Toluene	<25*	ug/kg	25	60	18	1.0		WI PVOC	cps	9/12/2000

Approved By: _____ **Date:** 9/21/00
James Chang, Ph.D. , Lab Director

*** Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

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DNR Analytical Detection Limit Guidance, April 1995.

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000655
DATE REPORTED: 18-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 W.Burleig

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21139		QC Batch Number: 995204					Collection: 9/8/2000		Time: 11:00	
Client ID: MW2		%Solid: 82.9					Sample Description: 6-8			
Naphthalene	**1050**	**ug/kg**	57	181	1		WIPVO	cps		9/12/2000
APL Sample Number: 21140		QC Batch Number: 995204					Collection: 9/8/2000		Time: 11:45	
Client ID: MW3		%Solid: 91.5					Sample Description: 8-10			
Naphthalene	< 52	**ug/kg**	52	165	1		WIPVO	cps		9/12/2000
APL Sample Number: 21141		QC Batch Number: 995204					Collection: 9/8/2000		Time: 12:45	
Client ID: MW4		%Solid: 87					Sample Description: 8-10			
Naphthalene	< 54	**ug/kg**	54	172	1		WIPVO	cps		9/12/2000
APL Sample Number: 21142		QC Batch Number: 995204					Collection: 9/8/2000		Time:	
Client ID: Trip Blank		%Solid: 100					Sample Description:			
Naphthalene	< 47	**ug/kg**	47	150	1		WIPVO	cps		9/12/2000

Approved By: _____ **Date:** 9/26/00
James Chang, Ph.D. , Lab Director

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DNR Analytical Detection Limit Guidance, April 1995.

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000655
DATE REPORTED: 21-Sep-00
DATE RECEIVED: 11-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 W.Burleig

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 21139		QC Batch Number: 995233					Collection: 9/8/2000		Time: 11:00	
Client ID: MW2		%Solid: 82.9					Sample Description: 6-8			
Diesel Range Organics	30	mg/kg	1.2	4	1		WI DRO	qh	9/14/2000	9/15/2000
APL Sample Number: 21140		QC Batch Number: 995233					Collection: 9/8/2000		Time: 11:45	
Client ID: MW3		%Solid: 91.5					Sample Description: 8-10			
Diesel Range Organics	19	mg/kg	1.1	3	1		WI DRO	qh	9/14/2000	9/15/2000
APL Sample Number: 21141		QC Batch Number: 995233					Collection: 9/8/2000		Time: 12:45	
Client ID: MW4		%Solid: 87					Sample Description: 8-10			
Diesel Range Organics	8.5	mg/kg	1.1	3	1		WI DRO	qh	9/14/2000	9/15/2000

Approved By: _____ **Date:** 9/22/00
James Chang, Ph.D. , Lab Director

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2 70 331

TECTA

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

Site City of Milwaukee

Address 2221-2319 W. Aver Dr

Milwaukee, WI

- ☒ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 tel: 414-544-0118 fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 tel: 714-779-0052 fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 tel: 410-312-9950 fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 tel: 214-358-5885 fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 tel: 608-223-1853 fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 tel. 770-458-3399 fax: 770-458-3998

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

POSSIBLE HAZARDS:

Sample Collector	Charles Rens	Project Manager	Dick Reesman	Project Number	1E-006034
Laboratory Used	APL	Lab Contact		Lab Job Number	

Analysis Required

	Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC + Naph	BTEX	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
2004	MW-5	5-7	S	10/28	10:30 AM PM	BDL	X	X		X		2-60ml 1-pl	M	Std		
201	Blank				AM PM		X			X						
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H =
I =
J =

Relinquished By	Date	Time	Received By
[signature]	10/31/00	8:00 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☒ Send copy to Project Manager
Giles Engineering
Attn: Dick Reesman

REPORT TO: ☒ same ☐ PM
Same

Page 1 of 1

forms.xls//COC 08/10/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000831
DATE REPORTED: 16-Nov-00
DATE RECEIVED: 31-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-006034
PROJECT NAME:

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 22004		QC Batch Number: 995539						Collection: 10/28/2000		Time: 10:00
Client ID: MW-5		%Solid: 88.7				Sample Description:				
Diesel Range Organics	3.7	mg/kg	1.1	3	1		WI DRO	qh	10/30/2000	11/1/2000

Approved By: _____ **Date:** 11/12/00
James Chang, Ph.D. , Lab Director

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DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000831
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 31-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-006034
PROJECT NAME:

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Dry Weight and Dilution Factor Corrected

Compound	LUST Result	Units	LUST LOD	LUST LOQ	NOVA LOD	Dilution Factor	RQ	Method	Analyst	Date of Analysis
Sample Number: **22004**	*Percent Solid:*	*88.7%*	*QC Batch Number: 995566*			*Sample analyzed within*	*7*	*Day(s) from collection.*		
Client ID: **MW-5**	Sample Description:					*Collection:*	*10/28/2000*	*Time:*	*10:00*	
1,2,4-Trimethyl Benzene	<25*	**ug/kg**	25	60	24	1.0		WI PVOC	jsc	11/4/2000
1,3,5-Trimethyl Benzene	<25*	**ug/kg**	25	60	19	1.0		WI PVOC	jsc	11/4/2000
Benzene	<25*	**ug/kg**	25	60	16	1.0		WI PVOC	jsc	11/4/2000
Ethylbenzene	<25*	**ug/kg**	25	60	15	1.0		WI PVOC	jsc	11/4/2000
Meta/Para-Xylene	<33	**ug/kg**	25	60	33	1.0		WI PVOC	jsc	11/4/2000
MTBE	<25*	**ug/kg**	25	60	12	1.0		WI PVOC	jsc	11/4/2000
Ortho-Xylene	49	**ug/kg**	25	60	18	1.0	*J*	WI PVOC	jsc	11/4/2000
Toluene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	jsc	11/4/2000
Sample Number: **22011**	*Percent Solid:*	*100%*	*QC Batch Number: 995566*			*Sample analyzed within*	*9*	*Day(s) from collection.*		
Client ID: **Blank**	Sample Description:					*Collection:*	*10/28/2000*	*Time:*		
1,2,4-Trimethyl Benzene	<25*	**ug/kg**	25	60	24	1.0		WI PVOC	jsc	11/6/2000
1,3,5-Trimethyl Benzene	<25*	**ug/kg**	25	60	19	1.0		WI PVOC	jsc	11/6/2000
Benzene	<25*	**ug/kg**	25	60	16	1.0		WI PVOC	jsc	11/6/2000
Ethylbenzene	<25*	**ug/kg**	25	60	15	1.0		WI PVOC	jsc	11/6/2000
Meta/Para-Xylene	<33	**ug/kg**	25	60	33	1.0		WI PVOC	jsc	11/6/2000
MTBE	<25*	**ug/kg**	25	60	12	1.0		WI PVOC	jsc	11/6/2000
Ortho-Xylene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	jsc	11/6/2000
Toluene	<25*	**ug/kg**	25	60	18	1.0		WI PVOC	jsc	11/6/2000

Approved By: _____ **Date:** 11/9/00
James Chang, Ph.D. , Lab Director

* **Special LUST Format for Methanol - Preserved Soil PVOCs or VOCs, (Release News, July and October 1994)**

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000831
DATE REPORTED: 09-Nov-00
DATE RECEIVED: 31-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-006034
PROJECT NAME:
Matrix: Soil

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 22004		QC Batch Number: 995600						Collection: 10/28/2000	Time: 10:00	
Client ID: MW-5		%Solid: 88.7				Sample Description:				
Naphthalene	< 53	**ug/kg**	53	169	1		WIPVO	jsc		11/4/2000

Approved By: _____ **Date:** 11/9/00
James Chang, Ph.D. , Lab Director

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LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20000831
DATE REPORTED: 16-Nov-00
DATE RECEIVED: 31-Oct-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-006034
PROJECT NAME:

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	LOD	LOQ	Dil	RQ	Method	Analyst	Date Ext.	Date Anal.
APL Sample Number: 22004		QC Batch Number: 995565					Collection: 10/28/2000		Time: 10:00	
Client ID: MW-5		%Solid: 88.7					Sample Description:			
Gas Range Organics	5.8	mg/kg	0.56	2	1		WI GRO	jsc		11/4/2000
APL Sample Number: 22011		QC Batch Number: 995565					Collection: 10/28/2000		Time:	
Client ID: Blank		%Solid: 100					Sample Description:			
Gas Range Organics	< 0.50	mg/kg	0.50	2	1		WI GRO	jsc		11/6/2000

Approved By: _____ **Date:** 11/16/00
James Chang, Ph.D. , Lab Director

NOVA Lab LOD = where the LOD has been determined in accordance with 40 CFR, Part 136, Appendix B.
LUST LOD = LUST program PVOC/VOC LOD of 25 ug/kg (wet weight basis)
LUST LOQ = LUST program PVOC/VOC LOQ of 60 ug/kg (wet weight basis)
RQ : Run Qualifier; "J" = Results between LOD and LOQ "L" = Sample less than 20 g, "B" = Showed in Blank sample. "#" = Exceed Calibration Curve

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ATTACHMENT G

Groundwater Analytical Laboratory Reports and Chain-of-Custodies

City of Milwaukee 200041

Giles Engineering Associates, Inc.

- ☒ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

CHAIN-OF-CUSTODY

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

POSSIBLE HAZARDS:

Site: Auer School
Address: 2221-2319 W. Auer Ave
Milwaukee, WI

Sample Collector	Tom B.	Project Manager	Dick R.
Laboratory Used	APL	Lab Contact	Jim Chang
Project Number	IE-0006034	Lab Job Number	

Analysis Required

	Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
0666	B1	—	WTR	8/3/00	AM PM	—			X			2-D	HCl	STD		
0667	B3	—	↓	↓	AM PM	↓			X			↓	↓	↓		
0668	B4	—			AM PM				X							
0669	Trip Blank	—	↓	—	AM PM				X			1-D	↓	↓		
0669	B7	—			AM PM				X							
0670	B6	—			AM PM				X							
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											
					AM PM											

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H =
I =
J =

Relinquished By	Date	Time	Received By
Tom Bauman	8/4/00	10:25 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☐ Send copy to Project Manager
Dick Reesman

REPORT TO: ☐ same ☐ PM
Dick Reesman

Page 2 of 2

forms.xls//COC 08/10/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Sample Number: **20666** QC Prep Batch Number: 994931 *Sample analyzed within 11 Day(s) from collection.*
Client ID: **B1** Sample Description: *Collection: 8/3/2000 Time: 13:00*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	1.7	ns	2.5		8260	cps	8/14/2000
1,1,1-Trichloroethane	< 0.78	ug/l	0.78	2.5	40	2.5		8260	cps	8/14/2000
1,1,2,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	0.02	2.5		8260	cps	8/14/2000
1,1,2-Trichloroethane	< 1.1	ug/l	1.1	3.5	0.5	2.5		8260	cps	8/14/2000
1,1-Dichloroethane	< 0.8	ug/l	0.8	2.5	85	2.5		8260	cps	8/14/2000
1,1-Dichloroethene	< 0.85	ug/l	0.85	2.7	0.7	2.5		8260	cps	8/14/2000
1,1-Dichloropropene	< 1.1	ug/l	1.1	3.4	ns	2.5		8260	cps	8/14/2000
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4	ns	2.5		8260	cps	8/14/2000
1,2,3-Trichloropropane	< 1.3	ug/l	1.3	4.1	ns	2.5		8260	cps	8/14/2000
1,2,4-Trichlorobenzene	< 1.2	ug/l	1.2	3.7	14	2.5		8260	cps	8/14/2000
1,2,4-Trimethylbenzene	87	ug/l	0.75	2.4	ns	2.5		8260	cps	8/14/2000
1,2-Dibromoethane	< 1.2	ug/l	1.2	3.7	0.005	2.5		8260	cps	8/14/2000
1,2-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	60	2.5		8260	cps	8/14/2000
1,2-Dichloroethane	< 0.88	ug/l	0.88	2.8	0.5	2.5		8260	cps	8/14/2000
1,2-Dichloropropane	< 0.8	ug/l	0.8	2.5	0.5	2.5		8260	cps	8/14/2000
1,3,5-Trimethylbenzene	4.1	ug/l	0.85	2.7	ns	2.5		8260	cps	8/14/2000
1,3-Dichlorobenzene	< 0.65	ug/l	0.65	2.1	125	2.5		8260	cps	8/14/2000
1,3-Dichloropropane	< 0.98	ug/l	0.98	3.1	ns	2.5		8260	cps	8/14/2000
1,4-Dichlorobenzene	< 0.9	ug/l	0.9	2.9	15	2.5		8260	cps	8/14/2000
12Dibromo-3-chloropropan	< 0.83	ug/l	0.83	2.6	0.02	2.5		8260	cps	8/14/2000
2,2-Dichloropropane	< 0.68	ug/l	0.68	2.1	ns	2.5		8260	cps	8/14/2000
2-Butanone (MEK)	< 3.5	ug/l	3.5	11	90	2.5		8260	cps	8/14/2000
2-Chloroethyl Vinyl Ether	< 1.8	ug/l	1.8	5.6	ns	2.5		8260	cps	8/14/2000
2-Chlorotoluene	< 0.75	ug/l	0.75	2.4	ns	2.5		8260	cps	8/14/2000
4-Chlorotoluene	< 0.65	ug/l	0.65	2.1	ns	2.5		8260	cps	8/14/2000
4-Methyl-2-Pentanone	< 2	ug/l	2	6.4	50	2.5		8260	cps	8/14/2000
Acetone	< 3.9	ug/l	3.9	12	200	2.5		8260	cps	8/14/2000
Benzene	2.3	ug/l	0.68	2.1	0.5	2.5		8260	cps	8/14/2000
Bromobenzene	< 0.78	ug/l	0.78	2.5	ns	2.5		8260	cps	8/14/2000
Bromochloromethane	< 0.93	ug/l	0.93	2.9	ns	2.5		8260	cps	8/14/2000
Bromodichloromethane	< 0.95	ug/l	0.95	3	0.06	2.5		8260	cps	8/14/2000
Bromoform	< 0.98	ug/l	0.98	3.1	0.44	2.5		8260	cps	8/14/2000
Bromomethane	< 1.6	ug/l	1.6	5.2	1	2.5		8260	cps	8/14/2000
Carbon tetrachloride	< 0.68	ug/l	0.68	2.1	0.5	2.5		8260	cps	8/14/2000
Chlorobenzene	< 0.65	ug/l	0.65	2.1	20	2.5		8260	cps	8/14/2000
Chloroethane	< 1.6	ug/l	1.6	5.1	80	2.5		8260	cps	8/14/2000
Chloroform	< 0.6	ug/l	0.6	1.9	0.6	2.5		8260	cps	8/14/2000
Chloromethane	< 1.2	ug/l	1.2	3.9	0.3	2.5		8260	cps	8/14/2000
cis-1,2-Dichloroethene	< 0.68	ug/l	0.68	2.1	7	2.5		8260	cps	8/14/2000
cis-1,3-Dichloropropene	< 0.93	ug/l	0.93	2.9	0.02	2.5		8260	cps	8/14/2000

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APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	< 1	ug/l	1	3.3	6	2.5		8260	cps	8/14/2000
Dibromomethane	< 1.2	ug/l	1.2	3.7	ns	2.5		8260	cps	8/14/2000
Dichlorodifluoromethane	< 0.68	ug/l	0.68	2.1	200	2.5		8260	cps	8/14/2000
Ethylbenzene	67	ug/l	0.63	2	140	2.5		8260	cps	8/14/2000
Hexachlorobutadiene	< 1.1	ug/l	1.1	3.3	ns	2.5		8260	cps	8/14/2000
Isopropyl Ether	< 0.75	ug/l	0.75	2.4	ns	2.5		8260	cps	8/14/2000
Isopropylbenzene	19	ug/l	0.83	2.6	ns	2.5		8260	cps	8/14/2000
m&p-xylene	48	ug/l	1.3	4.2	124	2.5		8260	cps	8/14/2000
Methyl-t-butyl ether	< 0.98	ug/l	0.98	3.1	12	2.5		8260	cps	8/14/2000
Methylene chloride	< 0.75	ug/l	0.75	2.4	0.5	2.5		8260	cps	8/14/2000
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	ns	2.5		8260	cps	8/14/2000
n-Propylbenzene	33	ug/l	0.7	2.2	ns	2.5		8260	cps	8/14/2000
Naphthalene	12	ug/l	1.9	6	8	2.5		8260	cps	8/14/2000
o-xylene	11	ug/l	0.63	2	124	2.5		8260	cps	8/14/2000
p-Isopropyltoluene	24	ug/l	0.78	2.5	ns	2.5		8260	cps	8/14/2000
sec-Butylbenzene	16	ug/l	0.85	2.7	ns	2.5		8260	cps	8/14/2000
Styrene	< 0.63	ug/l	0.63	2	10	2.5		8260	cps	8/14/2000
tert-Butylbenzene	1.7	ug/l	0.75	2.4	ns	2.5	J	8260	cps	8/14/2000
Tetrachloroethene	< 0.78	ug/l	0.78	2.5	0.5	2.5		8260	cps	8/14/2000
Toluene	< 0.73	ug/l	0.73	2.3	68.6	2.5		8260	cps	8/14/2000
trans-1,2-Dichloroethene	< 0.63	ug/l	0.63	2	20	2.5		8260	cps	8/14/2000
trans-1,3-Dichloropropene	< 0.65	ug/l	0.65	2.1	0.02	2.5		8260	cps	8/14/2000
Trichloroethene	< 0.85	ug/l	0.85	2.7	0.5	2.5		8260	cps	8/14/2000
Trichlorofluoromethane	< 0.6	ug/l	0.6	1.9	ns	2.5		8260	cps	8/14/2000
Vinyl chloride	< 0.53	ug/l	0.53	1.7	0.02	2.5		8260	cps	8/14/2000

Sample Number: **20667** QC Prep Batch Number: 994875 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **B3** Sample Description: *Collection: 8/3/2000 Time: 13:10*

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7	ns	10		8260	cps	8/7/2000
1,1,1-Trichloroethane	< 3.1	ug/l	3.1	9.9	40	10		8260	cps	8/7/2000
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	0.02	10		8260	cps	8/7/2000
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	0.5	10		8260	cps	8/7/2000
1,1-Dichloroethane	< 3.2	ug/l	3.2	10	85	10		8260	cps	8/7/2000
1,1-Dichloroethene	< 3.4	ug/l	3.4	11	0.7	10		8260	cps	8/7/2000
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	ns	10		8260	cps	8/7/2000
1,2,3-Trichlorobenzene	< 5	ug/l	5	16	ns	10		8260	cps	8/7/2000
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	ns	10		8260	cps	8/7/2000
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	14	10		8260	cps	8/7/2000
1,2,4-Trimethylbenzene	855	ug/l	3	9.5	ns	10		8260	cps	8/7/2000
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	0.005	10		8260	cps	8/7/2000
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	60	10		8260	cps	8/7/2000
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	0.5	10		8260	cps	8/7/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	<3.2	ug/l	3.2	10	0.5	10		8260	cps	8/7/2000
1,3,5-Trimethylbenzene	87	ug/l	3.4	11	ns	10		8260	cps	8/7/2000
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	125	10		8260	cps	8/7/2000
1,3-Dichloropropane	<3.9	ug/l	3.9	12	ns	10		8260	cps	8/7/2000
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	15	10		8260	cps	8/7/2000
12Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	0.02	10		8260	cps	8/7/2000
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	ns	10		8260	cps	8/7/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	8/7/2000
2-Chloroethyl Vinyl Ether	<7	ug/l	7	22	ns	10		8260	cps	8/7/2000
2-Chlorotoluene	<3	ug/l	3	9.5	ns	10		8260	cps	8/7/2000
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	ns	10		8260	cps	8/7/2000
4-Methyl-2-Pentanone	<8	ug/l	8	25	50	10		8260	cps	8/7/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	8/7/2000
Benzene	8.2	ug/l	2.7	8.6	0.5	10	J	8260	cps	8/7/2000
Bromobenzene	<3.1	ug/l	3.1	9.9	ns	10		8260	cps	8/7/2000
Bromochloromethane	<3.7	ug/l	3.7	12	ns	10		8260	cps	8/7/2000
Bromodichloromethane	<3.8	ug/l	3.8	12	0.06	10		8260	cps	8/7/2000
Bromoform	<3.9	ug/l	3.9	12	0.44	10		8260	cps	8/7/2000
Bromomethane	<6.5	ug/l	6.5	21	1	10		8260	cps	8/7/2000
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	0.5	10		8260	cps	8/7/2000
Chlorobenzene	<2.6	ug/l	2.6	8.3	20	10		8260	cps	8/7/2000
Chloroethane	<6.4	ug/l	6.4	20	80	10		8260	cps	8/7/2000
Chloroform	<2.4	ug/l	2.4	7.6	0.6	10		8260	cps	8/7/2000
Chloromethane	<4.9	ug/l	4.9	16	0.3	10		8260	cps	8/7/2000
cis-1,2-Dichloroethene	<2.7	ug/l	2.7	8.6	7	10		8260	cps	8/7/2000
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	0.02	10		8260	cps	8/7/2000
Dibromochloromethane	<4.1	ug/l	4.1	13	6	10		8260	cps	8/7/2000
Dibromomethane	<4.6	ug/l	4.6	15	ns	10		8260	cps	8/7/2000
Dichlorodifluoromethane	<2.7	ug/l	2.7	8.6	200	10		8260	cps	8/7/2000
Ethylbenzene	204	ug/l	2.5	8	140	10		8260	cps	8/7/2000
Hexachlorobutadiene	<4.2	ug/l	4.2	13	ns	10		8260	cps	8/7/2000
Isopropyl Ether	<3	ug/l	3	9.5	ns	10		8260	cps	8/7/2000
Isopropylbenzene	28	ug/l	3.3	10	ns	10		8260	cps	8/7/2000
m&p-xylene	191	ug/l	5.3	17	124	10		8260	cps	8/7/2000
Methyl-t-butyl ether	<3.9	ug/l	3.9	12	12	10		8260	cps	8/7/2000
Methylene chloride	<3	ug/l	3	9.5	0.5	10		8260	cps	8/7/2000
n-Butylbenzene	<3.6	ug/l	3.6	11	ns	10		8260	cps	8/7/2000
n-Propylbenzene	109	ug/l	2.8	8.9	ns	10		8260	cps	8/7/2000
Naphthalene	52	ug/l	7.5	24	8	10		8260	cps	8/7/2000
o-xylene	34	ug/l	2.5	8	124	10		8260	cps	8/7/2000
p-Isopropyltoluene	4.5	ug/l	3.1	9.9	ns	10	J	8260	cps	8/7/2000
sec-Butylbenzene	8.2	ug/l	3.4	11	ns	10	J	8260	cps	8/7/2000
Styrene	<2.5	ug/l	2.5	8	10	10		8260	cps	8/7/2000

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 3	ug/l	3	9.5	ns	10		8260	cps	8/7/2000
Tetrachloroethene	< 3.1	ug/l	3.1	9.9	0.5	10		8260	cps	8/7/2000
Toluene	6.9	ug/l	2.9	9.2	68.6	10	J	8260	cps	8/7/2000
trans-1,2-Dichloroethene	< 2.5	ug/l	2.5	8	20	10		8260	cps	8/7/2000
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	0.02	10		8260	cps	8/7/2000
Trichloroethene	< 3.4	ug/l	3.4	11	0.5	10		8260	cps	8/7/2000
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	ns	10		8260	cps	8/7/2000
Vinyl chloride	< 2.1	ug/l	2.1	6.7	0.02	10		8260	cps	8/7/2000

Sample Number: **20668** QC Prep Batch Number: 994875 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **B4** Sample Description: *Collection: 8/3/2000 Time: 13:20*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/7/2000

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/7/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/7/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/7/2000

Sample Number: **20669** QC Prep Batch Number: 994875 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **B7** Sample Description: *Collection: 8/3/2000 Time: 13:40*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/7/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
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N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/7/2000

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/7/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/7/2000

Sample Number: **20670** QC Prep Batch Number: 994875 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **B6** Sample Description: *Collection: 8/3/2000 Time: 14:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/7/2000

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/7/2000
Chloroform	0.52	ug/l	0.24	0.76	0.6	1	J	8260	cps	8/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/7/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/7/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/7/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/7/2000

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APL INC.
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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Sample Number: **20671** QC Prep Batch Number: 994875 *Sample analyzed within 4 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 8/3/2000 Time:*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	8/7/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	8/7/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	8/7/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	8/7/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	8/7/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	8/7/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	8/7/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	8/7/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	8/7/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	8/7/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	8/7/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	8/7/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	8/7/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	8/7/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	8/7/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	8/7/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	8/7/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	8/7/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	8/7/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	8/7/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	8/7/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	8/7/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	8/7/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	8/7/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	8/7/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	8/7/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	8/7/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	8/7/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	8/7/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	8/7/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	8/7/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	8/7/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	8/7/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	8/7/2000

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APL INC.
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000571**
DATE REPORTED: 16-Aug-00
DATE RECEIVED: 04-Aug-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: Auer School 2221-23

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	8/7/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	8/7/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	8/7/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	8/7/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	8/7/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	8/7/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	8/7/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	8/7/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	8/7/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	8/7/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	8/7/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	8/7/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	8/7/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	8/7/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	8/7/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	8/7/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	8/7/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	8/7/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	8/7/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	8/7/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	8/7/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	8/7/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	8/7/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	8/7/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	8/7/2000

Approved By: _____ **Date:** 8 / 15 / 00
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

PECFA 2000071

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

- ☑ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

POSSIBLE HAZARDS: _____

Site 2222 -2319
Address ~~Burleigh St.~~ Auer Ave
Milwaukee, WI

Sample Collector: Nick Balistrieri	Project Manager: Dick Roesner	Project Number: LE-0006034
Laboratory Used: APL	Lab Contact:	Lab Job Number:

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
MW-1	—	W	9/13/00	AM PM				X			2-D	HCl	STD	2193	
MW-2	↓	↓	↓	AM PM				↓			↓	↓	↓	2194	
MW-3	↓	↓	↓	AM PM				↓			↓	↓	↓	2195	
MW-4	↓	↓	↓	AM PM				↓			↓	↓	↓	2196	
T. Blank	↓	↓	↓	→ AM PM	↓			↓			1-D	↓	↓	2197	
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
Nick Balistrieri	9/13/00	1640 AM PM	
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: Giles

☑ Send copy to Project Manager

REPORT TO: Giles

☐ same
☐ PM

Page 1 of 1

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Sample Number: **21193** QC Prep Batch Number: 995180 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **MW-1** Sample Description: *Collection: 9/13/2000 Time: 12:00*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/14/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/14/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/14/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/14/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/14/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/14/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/14/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/14/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/14/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/14/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/14/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/14/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/14/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/14/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/14/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/14/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/14/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/14/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/14/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/14/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/14/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/14/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
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N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/14/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/14/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/14/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/14/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/14/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/14/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/14/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/14/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/14/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/14/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/14/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/14/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/14/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/14/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/14/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/14/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/14/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/14/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/14/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/14/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/14/2000

Sample Number: **21194** QC Prep Batch Number: 995180 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **MW-2** Sample Description: *Collection: 9/13/2000 Time: 12:00*

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/14/2000
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	40	1		8260	cps	9/14/2000
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/14/2000
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/14/2000
1,1-Dichloroethane	<0.32	ug/l	0.32	1	85	1		8260	cps	9/14/2000
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/14/2000
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/14/2000
1,2,3-Trichlorobenzene	<0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/14/2000
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/14/2000
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	14	1		8260	cps	9/14/2000
1,2,4-Trimethylbenzene	101	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/14/2000
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	60	1		8260	cps	9/14/2000
1,2-Dichloroethane	0.75	ug/l	0.35	1.1	0.5	1	J	8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
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N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/14/2000
1,3,5-Trimethylbenzene	12	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/14/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/14/2000
2-Butanone (MEK)	33	ug/l	1.4	4.4	90	1		8260	cps	9/14/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/14/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/14/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/14/2000
Acetone	63	ug/l	1.6	4.9	200	1		8260	cps	9/14/2000
Benzene	20	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/14/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/14/2000
Ethylbenzene	35	ug/l	0.25	0.8	140	1		8260	cps	9/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/14/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Isopropylbenzene	5.9	ug/l	0.33	1	ns	1		8260	cps	9/14/2000
m&p-xylene	19	ug/l	0.53	1.7	124	1		8260	cps	9/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/14/2000
n-Propylbenzene	27	ug/l	0.28	0.89	ns	1		8260	cps	9/14/2000
Naphthalene	3.9	ug/l	0.75	2.4	8	1		8260	cps	9/14/2000
o-xylene	5.4	ug/l	0.25	0.8	124	1		8260	cps	9/14/2000
p-Isopropyltoluene	3.3	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
sec-Butylbenzene	3.6	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/14/2000
Toluene	1.4	ug/l	0.29	0.92	68.6	1		8260	cps	9/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/14/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/14/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/14/2000

Sample Number: **21195** QC Prep Batch Number: 995180 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **MW-3** Sample Description: *Collection: 9/13/2000 Time: 12:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/14/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/14/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/14/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/14/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/14/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/14/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/14/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/14/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/14/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/14/2000
1,2,4-Trimethylbenzene	2.4	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/14/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/14/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/14/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/14/2000
1,3,5-Trimethylbenzene	0.98	ug/l	0.34	1.1	ns	1	J	8260	cps	9/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/14/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/14/2000
2-Butanone (MEK)	4.7	ug/l	1.4	4.4	90	1		8260	cps	9/14/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/14/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/14/2000
4-Methyl-2-Pentanone	1.1	ug/l	0.8	2.5	50	1	J	8260	cps	9/14/2000
Acetone	42	ug/l	1.6	4.9	200	1		8260	cps	9/14/2000
Benzene	0.67	ug/l	0.27	0.86	0.5	1	J	8260	cps	9/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

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Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/14/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/14/2000
Ethylbenzene	3.1	ug/l	0.25	0.8	140	1		8260	cps	9/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/14/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/14/2000
m&p-xylene	1.5	ug/l	0.53	1.7	124	1	J	8260	cps	9/14/2000
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/14/2000
n-Propylbenzene	0.82	ug/l	0.28	0.89	ns	1	J	8260	cps	9/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/14/2000
o-xylene	0.97	ug/l	0.25	0.8	124	1		8260	cps	9/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/14/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/14/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/14/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/14/2000

Sample Number: **21196** QC Prep Batch Number: 995180 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **MW-4** Sample Description: *Collection: 9/13/2000 Time: 12:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/14/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/14/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/14/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/14/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/14/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/14/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/14/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/14/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/14/2000
1,2,4-Trimethylbenzene	0.4	ug/l	0.3	0.95	ns	1	J	8260	cps	9/14/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/14/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/14/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/14/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/14/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/14/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/14/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/14/2000
2-Chloroethyl Vinyl Ether	< 0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/14/2000
2-Chlorotoluene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/14/2000
4-Methyl-2-Pentanone	< 0.8	ug/l	0.8	2.5	50	1		8260	cps	9/14/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	9/14/2000
Benzene	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Bromobenzene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
Bromochloromethane	< 0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/14/2000
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/14/2000
Bromoform	< 0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/14/2000
Bromomethane	< 0.65	ug/l	0.65	2.1	1	1		8260	cps	9/14/2000
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Chlorobenzene	< 0.26	ug/l	0.26	0.83	20	1		8260	cps	9/14/2000
Chloroethane	< 0.64	ug/l	0.64	2	80	1		8260	cps	9/14/2000
Chloroform	< 0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/14/2000
Chloromethane	< 0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/14/2000
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	7	1		8260	cps	9/14/2000
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/14/2000
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	6	1		8260	cps	9/14/2000
Dibromomethane	< 0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/14/2000
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	200	1		8260	cps	9/14/2000
Ethylbenzene	< 0.25	ug/l	0.25	0.8	140	1		8260	cps	9/14/2000
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/14/2000
Isopropyl Ether	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Isopropylbenzene	< 0.33	ug/l	0.33	1	ns	1		8260	cps	9/14/2000
m&p-xylene	< 0.53	ug/l	0.53	1.7	124	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	12	1		8260	cps	9/14/2000
Methylene chloride	< 0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/14/2000
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/14/2000
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/14/2000
Naphthalene	< 0.75	ug/l	0.75	2.4	8	1		8260	cps	9/14/2000
o-xylene	< 0.25	ug/l	0.25	0.8	124	1		8260	cps	9/14/2000
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
Styrene	< 0.25	ug/l	0.25	0.8	10	1		8260	cps	9/14/2000
tert-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/14/2000
Toluene	< 0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/14/2000
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.8	20	1		8260	cps	9/14/2000
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/14/2000
Trichloroethene	< 0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/14/2000
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/14/2000
Vinyl chloride	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/14/2000

Sample Number: **21197** QC Prep Batch Number: 995180 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 9/13/2000 Time: 12:00*

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	9/14/2000
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	40	1		8260	cps	9/14/2000
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	0.02	1		8260	cps	9/14/2000
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	0.5	1		8260	cps	9/14/2000
1,1-Dichloroethane	< 0.32	ug/l	0.32	1	85	1		8260	cps	9/14/2000
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	0.7	1		8260	cps	9/14/2000
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	ns	1		8260	cps	9/14/2000
1,2,3-Trichlorobenzene	< 0.5	ug/l	0.5	1.6	ns	1		8260	cps	9/14/2000
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	ns	1		8260	cps	9/14/2000
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	14	1		8260	cps	9/14/2000
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	0.005	1		8260	cps	9/14/2000
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	60	1		8260	cps	9/14/2000
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	0.5	1		8260	cps	9/14/2000
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	0.5	1		8260	cps	9/14/2000
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	125	1		8260	cps	9/14/2000
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	ns	1		8260	cps	9/14/2000
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	15	1		8260	cps	9/14/2000
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1	0.02	1		8260	cps	9/14/2000
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	ns	1		8260	cps	9/14/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER: **20000671**
DATE REPORTED: 15-Sep-00
DATE RECEIVED: 14-Sep-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	<0.7	ug/l	0.7	2.2	ns	1		8260	cps	9/14/2000
2-Chlorotoluene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	ns	1		8260	cps	9/14/2000
4-Methyl-2-Pentanone	<0.8	ug/l	0.8	2.5	50	1		8260	cps	9/14/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	9/14/2000
Benzene	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Bromobenzene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
Bromochloromethane	<0.37	ug/l	0.37	1.2	ns	1		8260	cps	9/14/2000
Bromodichloromethane	<0.38	ug/l	0.38	1.2	0.06	1		8260	cps	9/14/2000
Bromoform	<0.39	ug/l	0.39	1.2	0.44	1		8260	cps	9/14/2000
Bromomethane	<0.65	ug/l	0.65	2.1	1	1		8260	cps	9/14/2000
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	0.5	1		8260	cps	9/14/2000
Chlorobenzene	<0.26	ug/l	0.26	0.83	20	1		8260	cps	9/14/2000
Chloroethane	<0.64	ug/l	0.64	2	80	1		8260	cps	9/14/2000
Chloroform	<0.24	ug/l	0.24	0.76	0.6	1		8260	cps	9/14/2000
Chloromethane	<0.49	ug/l	0.49	1.6	0.3	1		8260	cps	9/14/2000
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	7	1		8260	cps	9/14/2000
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	0.02	1		8260	cps	9/14/2000
Dibromochloromethane	<0.41	ug/l	0.41	1.3	6	1		8260	cps	9/14/2000
Dibromomethane	<0.46	ug/l	0.46	1.5	ns	1		8260	cps	9/14/2000
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	200	1		8260	cps	9/14/2000
Ethylbenzene	<0.25	ug/l	0.25	0.8	140	1		8260	cps	9/14/2000
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	ns	1		8260	cps	9/14/2000
Isopropyl Ether	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Isopropylbenzene	<0.33	ug/l	0.33	1	ns	1		8260	cps	9/14/2000
m&p-xylene	<0.53	ug/l	0.53	1.7	124	1		8260	cps	9/14/2000
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	12	1		8260	cps	9/14/2000
Methylene chloride	<0.3	ug/l	0.3	0.95	0.5	1		8260	cps	9/14/2000
n-Butylbenzene	<0.36	ug/l	0.36	1.1	ns	1		8260	cps	9/14/2000
n-Propylbenzene	<0.28	ug/l	0.28	0.89	ns	1		8260	cps	9/14/2000
Naphthalene	<0.75	ug/l	0.75	2.4	8	1		8260	cps	9/14/2000
o-xylene	<0.25	ug/l	0.25	0.8	124	1		8260	cps	9/14/2000
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	ns	1		8260	cps	9/14/2000
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	9/14/2000
Styrene	<0.25	ug/l	0.25	0.8	10	1		8260	cps	9/14/2000
tert-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	9/14/2000
Tetrachloroethene	<0.31	ug/l	0.31	0.99	0.5	1		8260	cps	9/14/2000
Toluene	<0.29	ug/l	0.29	0.92	68.6	1		8260	cps	9/14/2000
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.8	20	1		8260	cps	9/14/2000
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	0.02	1		8260	cps	9/14/2000
Trichloroethene	<0.34	ug/l	0.34	1.1	0.5	1		8260	cps	9/14/2000
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	ns	1		8260	cps	9/14/2000
Vinyl chloride	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	9/14/2000

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ORGANIC REPORT

WDNR# 241340550

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

BATCH NUMBER:	**20000671**
DATE REPORTED:	15-Sep-00
DATE RECEIVED:	14-Sep-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E-0006034
PROJECT NAME:	2221-2319 Burlegh S

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ **Date:** 9/18/00
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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NON PECFA City Milwaukee 20000[illegible]

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY _____

Site City Milwaukee

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- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 tel: 214-358-5885 fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 tel: 608-223-1853 fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 tel. 770-458-3399 fax: 770-458-3998

- ☐ closure sample
- ☐ confirmation required (NR720)
- ☐ RUSH

POSSIBLE HAZARDS: _____

Sample Collector	Charles Gens	Project Manager	Dick Reesman	Project Number	1E-0006034
Laboratory Used	API	Lab Contact		Lab Job Number	

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC + Napth.	BTEX	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
MW-5	—	GW	11/6	10:00 AM PM	—				X		2-40ml	A	std	22109	
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											
				AM PM											

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
[signature]	11/8/00	8:05 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☐ Send copy to Project Manager

REPORT TO: ☐ same ☐ PM

Page _____ of _____

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000850**
DATE REPORTED: 05-Dec-00
DATE RECEIVED: 08-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-006034
PROJECT NAME: Police Atheltic F

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Sample Number: 22109
Client ID: MW-~~4~~5

QC Prep Batch Number: 995789

Collection: 11/6/2000 Time: 10:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	Admin	/
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	Admin	/
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	Admin	/
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	Admin	/
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	Admin	/
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	Admin	/
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	Admin	/
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	Admin	/

Approved By: _____ **Date:** 12/4/00
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

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8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000850**
DATE REPORTED: 05-Dec-00
DATE RECEIVED: 08-Nov-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-006034
PROJECT NAME: Police Atheltic F

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 22109	QC Prep Batch Number:						Collection: 11/6/2000		Time: 10:00
Client ID: MW-~~65~~							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	qh	/ 1/22/200

Approved By: _____ **Date:** 12/4/00
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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City of Milwaukee Cooling

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

Site

Address 2221-2319 W. Auer Ave
Milwaukee, WI

- ☐ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 tel: 414-544-0118 fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 tel: 714-779-0052 fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 tel: 410-312-9950 fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 tel: 214-358-5885 fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 tel: 608-223-1853 fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 tel. 770-458-3399 fax: 770-458-3998

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

POSSIBLE HAZARDS:

Sample Collector	Chip Rens.	Project Manager	Dick Reesman	Project Number	1E-0006034
Laboratory Used	APL	Lab Contact	Jim Chang	Lab Job Number	

Analysis Required

	Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	Methane	Dissolved Fe & Pb												Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
3031	MW1		H_2O	2/15	AM PM					X		X	X														STD		
35	MW2		↓	↓	AM PM					X		X	X														↓		
36	MW3				AM PM					X		X	X																
37	MW4				AM PM					X		X	X																
38	MW5				AM PM					X		X	X																
23033	Trip Blank				AM PM					X																			
					AM PM																								
					AM PM																								
					AM PM																								
					AM PM																								
					AM PM																								
					AM PM																								

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H =
I =
J =

Relinquished By	Date	Time	Received By
Dick Reesman	2/19/01	10:30 AM PM	2/19/01 Yvonne Hewitt 10:25
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☐ Send copy to Project Manager
Giles

REPORT TO: ☐ same ☐ PM
Giles

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010098**
DATE REPORTED: 23-Feb-01
DATE RECEIVED: 19-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: city of milwauke

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 23033	QC Prep Batch Number: 996475					Collection: 2/15/2001		Time:	
Client ID: TRIP BLANK						Sample Description:			
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	mw	2/22/2001 / 2/22/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Sample Number: 23034	QC Prep Batch Number: 996475					Collection: 2/15/2001		Time:	
Client ID: MW1						Sample Description:			
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	mw	2/22/2001 / 2/22/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Sample Number: 23035	QC Prep Batch Number: 996475					Collection: 2/15/2001		Time:	
Client ID: MW2						Sample Description:			
1,2,4-Trimethyl Benzene	84	ug/l	0.63	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Benzene	47	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ethylbenzene	110	ug/l	0.57	1.8	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Meta/Para-Xylene	25	ug/l	1.0	3.2	1		WI PVOC	mw	2/22/2001 / 2/22/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ortho-Xylene	25	ug/l	0.48	1.5	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Toluene	7.3	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Sample Number: 23036	QC Prep Batch Number: 996475					Collection: 2/15/2001		Time:	
Client ID: MW3						Sample Description:			
1,2,4-Trimethyl Benzene	63	ug/l	0.63	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
1,3,5-Trimethyl Benzene	20	ug/l	0.62	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Benzene	1.9	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ethylbenzene	24	ug/l	0.57	1.8	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Meta/Para-Xylene	42	ug/l	1.0	3.2	1		WI PVOC	mw	2/22/2001 / 2/22/2001

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010098**
DATE REPORTED: 23-Feb-01
DATE RECEIVED: 19-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: city of milwauke

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ortho-Xylene	28	ug/l	0.48	1.5	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Toluene	1.1	ug/l	0.44	1.4	1	J	WI PVOC	mw	2/22/2001 / 2/22/2001

Sample Number: 23037 QC Prep Batch Number: 996475 Collection: 2/15/2001 Time:
Client ID: MW4 Sample Description:

1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	mw	2/22/2001 / 2/22/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	mw	2/22/2001 / 2/22/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	mw	2/22/2001 / 2/22/2001

Sample Number: 23038 QC Prep Batch Number: 996475 Collection: 2/15/2001 Time:
Client ID: MW5 Sample Description:

1,2,4-Trimethyl Benzene	20	ug/l	1.3	4.0	2		WI PVOC	mw	2/22/2001 / 2/22/2001
1,3,5-Trimethyl Benzene	2.4	ug/l	1.2	3.9	2	J	WI PVOC	mw	2/22/2001 / 2/22/2001
Benzene	192	ug/l	0.89	2.8	2		WI PVOC	mw	2/22/2001 / 2/22/2001
Ethylbenzene	132	ug/l	1.1	3.6	2		WI PVOC	mw	2/22/2001 / 2/22/2001
Meta/Para-Xylene	111	ug/l	2.0	6.4	2		WI PVOC	mw	2/22/2001 / 2/22/2001
MTBE	< 0.60	ug/l	0.60	1.9	2		WI PVOC	mw	2/22/2001 / 2/22/2001
Ortho-Xylene	56	ug/l	0.95	3.0	2		WI PVOC	mw	2/22/2001 / 2/22/2001
Toluene	8.5	ug/l	0.88	2.8	2		WI PVOC	mw	2/22/2001 / 2/22/2001

Approved By: _____ **Date:** 3/5/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010098**
DATE REPORTED:	05-Mar-01
DATE RECEIVED:	19-Feb-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E-0006034
PROJECT NAME:	city of milwaukee

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 23034		Matrix: GW								
Client ID: **MW1**							Collection: 2/15/2001			Time:
							Sample Description:			
Iron - ICAP	**0.16**	**mg/l**	*J* **TD**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	jz	2/20/2001	*996438*	
Sample Number: 23035		Matrix: GW								
Client ID: **MW2**							Collection: 2/15/2001			Time:
							Sample Description:			
Iron - ICAP	**0.09**	**mg/l**	*J* **TD**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	jz	2/20/2001	*996438*	
Sample Number: 23036		Matrix: GW								
Client ID: **MW3**							Collection: 2/15/2001			Time:
							Sample Description:			
Iron - ICAP	**0.29**	**mg/l**	**TD**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	jz	2/20/2001	*996438*	
Sample Number: 23037		Matrix: GW								
Client ID: **MW4**							Collection: 2/15/2001			Time:
							Sample Description:			
Iron - ICAP	**0.13**	**mg/l**	*J* **TD**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	jz	2/20/2001	*996438*	
Sample Number: 23038		Matrix: GW								
Client ID: **MW5**							Collection: 2/15/2001			Time:
							Sample Description:			
Iron - ICAP	**<0.081**	**mg/l**	**TD**	0.081	0.26	200.7	bb	3/1/2001	*996543*	
Lead - Furnace AA	**<1.5**	**ug/l**	**TD**	1.5	4.8	239.2	jz	2/20/2001	*996438*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010098**
DATE REPORTED:	05-Mar-01
DATE RECEIVED:	19-Feb-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E-0006034
PROJECT NAME:	city of milwaukee

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments

Approved By: _____ **Date:** 3/5/14
James Chang, Ph.D. , Lab Director

TD Result expressed as Total Dissolved.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010098**
DATE REPORTED: 05-Mar-01
DATE RECEIVED: 19-Feb-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: city of milwauke

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 23034	QC Prep Batch Number: 996510					Collection: 2/15/2001			Time:
Client ID: MW1						Sample Description:			
Methane	< 0.50	**ug/l**	0.50	1.6	1		ECCS-1	uo	/ 2/15/2001
Sample Number: 23035	QC Prep Batch Number: 996510					Collection: 2/15/2001			Time:
Client ID: MW2						Sample Description:			
Methane	670	**ug/l**	0.50	1.6	1		ECCS-1	uo	/ 2/15/2001
Sample Number: 23036	QC Prep Batch Number: 996510					Collection: 2/15/2001			Time:
Client ID: MW3						Sample Description:			
Methane	200	**ug/l**	0.50	1.6	1		ECCS-1	uo	/ 2/15/2001
Sample Number: 23037	QC Prep Batch Number: 996510					Collection: 2/15/2001			Time:
Client ID: MW4						Sample Description:			
Methane	5.6	**ug/l**	0.50	1.6	1		ECCS-1	uo	/ 2/15/2001
Sample Number: 23038	QC Prep Batch Number: 996510					Collection: 2/15/2001			Time:
Client ID: MW5						Sample Description:			
Methane	190	**ug/l**	0.50	1.6	1		ECCS-1	uo	/ 2/15/2001

Approved By: _____ **Date:** 3/5/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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City of Milwaukee PBF.

Giles Engineering Associates, Inc.

- ■ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

CHAIN-OF-CUSTODY 20010314

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

Site Proposed Development
Address 2221-2319 Auer A
Milwaukee, Wi

POSSIBLE HAZARDS:

Sample Collector	Charles Rens	Project Manager	Dick Reesman	Project Number	IE-0006034
Laboratory Used	API	Lab Contact		Lab Job Number	

Analysis Required

	Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC / NAPL	BTEX	Methane Fe & Pb											Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
4155	MW-1	—	W	5/23	9:00 AM PM	—				X		X	X										4-40ml 1-500	A	std		
4156	MW-2	—	W	↓	9:30 AM PM	—				X		X	X										↓	↓	↓		
4157	MW-3	—	W		10:00 AM PM	—				X		X	X														
4158	MW-4	—	W		10:30 AM PM	—				X		X	X														
4159	MW-5	—	W		11:00 AM PM	—				X		X	X														
4160	Trip Blank	—	W	↓	9:00 AM PM	—				X													1-40ml	↓	↓		
					AM PM																						
					AM PM																						
					AM PM																						
					AM PM																						
					AM PM																						
					AM PM																						

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
[signature]	5-24-01	11:00 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☐ Send copy to Project Manager
Giles Eng.
Attn: Dick Reesman

REPORT TO: ■ same ☐ PM
Same

Page 1 of 1

forms.xls//COC 08/10/99

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010314**
DATE REPORTED: 06-Jun-01
DATE RECEIVED: 24-May-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Proposed Develo

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24155 — QC Prep Batch Number: 997165 — Collection: 5/23/2001 — Time: 09:00 — Client ID: MW-1 — Sample Description:									
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	tm	5/29/2001 / 6/4/2001
Sample Number: 24156 — QC Prep Batch Number: 997165 — Collection: 5/23/2001 — Time: 09:30 — Client ID: MW-2 — Sample Description:									
Naphthalene	1.8	**ug/l**	1.2	3.9	1	*J*	WIPVOC	tm	5/29/2001 / 6/4/2001
Sample Number: 24157 — QC Prep Batch Number: 997165 — Collection: 5/23/2001 — Time: 10:00 — Client ID: MW-3 — Sample Description:									
Naphthalene	56	**ug/l**	1.2	3.9	1		WIPVOC	tm	5/29/2001 / 6/4/2001
Sample Number: 24158 — QC Prep Batch Number: 997165 — Collection: 5/23/2001 — Time: 10:30 — Client ID: MW-4 — Sample Description:									
Naphthalene	3.9	**ug/l**	1.2	3.9	1		WIPVOC	tm	5/29/2001 / 6/4/2001
Sample Number: 24159 — QC Prep Batch Number: 997165 — Collection: 5/23/2001 — Time: 11:00 — Client ID: MW-5 — Sample Description:									
Naphthalene	3.3	**ug/l**	1.2	3.9	1	*J*	WIPVOC	tm	5/29/2001 / 6/4/2001
Sample Number: 24160 — QC Prep Batch Number: 997165 — Collection: 5/23/2001 — Time: 09:00 — Client ID: Trip Blank — Sample Description:									
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	tm	5/29/2001 / 6/4/2001

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ORGANIC REPORT

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Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 6/6/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
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ORGANIC REPORT

WDNR# 241340550

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Dick Reesman
Giles Engineering Associates, Inc.
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Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24155	QC Prep Batch Number: 997163						Collection: 5/23/2001		Time: 09:00
Client ID: MW-1							Sample Description:		
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	tm	6/4/2001 / 6/4/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Sample Number: 24156	QC Prep Batch Number: 997163						Collection: 5/23/2001		Time: 09:30
Client ID: MW-2							Sample Description:		
1,2,4-Trimethyl Benzene	3.8	ug/l	0.63	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
1,3,5-Trimethyl Benzene	1.4	ug/l	0.62	2.0	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
Benzene	3.5	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ethylbenzene	6.1	ug/l	0.57	1.8	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Meta/Para-Xylene	1.4	ug/l	1.0	3.2	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ortho-Xylene	0.70	ug/l	0.48	1.5	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
Toluene	1.2	ug/l	0.44	1.4	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
Sample Number: 24157	QC Prep Batch Number: 997163						Collection: 5/23/2001		Time: 10:00
Client ID: MW-3							Sample Description:		
1,2,4-Trimethyl Benzene	66	ug/l	0.63	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
1,3,5-Trimethyl Benzene	22	ug/l	0.62	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Benzene	3.2	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ethylbenzene	25	ug/l	0.57	1.8	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Meta/Para-Xylene	47	ug/l	1.0	3.2	1		WI PVOC	tm	6/4/2001 / 6/4/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ortho-Xylene	26	ug/l	0.48	1.5	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Toluene	1.2	ug/l	0.44	1.4	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
Sample Number: 24158	QC Prep Batch Number: 997163						Collection: 5/23/2001		Time: 10:30
Client ID: MW-4							Sample Description:		
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	tm	6/4/2001 / 6/4/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010314**
DATE REPORTED: 06-Jun-01
DATE RECEIVED: 24-May-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Proposed Develo

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ortho-Xylene	2.1	ug/l	0.48	1.5	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001

Sample Number: 24159 QC Prep Batch Number: 997163 Collection: 5/23/2001 Time: 11:00
Client ID: MW-5 Sample Description:

1,2,4-Trimethyl Benzene	1.6	ug/l	0.63	2.0	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
1,3,5-Trimethyl Benzene	1.2	ug/l	0.62	2.0	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001
Benzene	11	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ethylbenzene	2.9	ug/l	0.57	1.8	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Meta/Para-Xylene	32	ug/l	1.0	3.2	1		WI PVOC	tm	6/4/2001 / 6/4/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ortho-Xylene	28	ug/l	0.48	1.5	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Toluene	1.2	ug/l	0.44	1.4	1	J	WI PVOC	tm	6/4/2001 / 6/4/2001

Sample Number: 24160 QC Prep Batch Number: 997163 Collection: 5/23/2001 Time: 09:00
Client ID: Trip Blank Sample Description:

1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	tm	6/4/2001 / 6/4/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	tm	6/4/2001 / 6/4/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	tm	6/4/2001 / 6/4/2001

Approved By: [signature] **Date:** 6/6/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
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RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations. DNR Analytical Detection Limit Guidance, April 1995.

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010314**
DATE REPORTED: 15-Jun-01
DATE RECEIVED: 24-May-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Proposed Develo

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 24155	QC Prep Batch Number: 997270					Collection: 5/23/2001			Time: 09:00
Client ID: MW-1						Sample Description:			
Methane	< 0.50	ug/l	0.50	1.6	1		ECCS-1	ua	/ 5/31/2001
Sample Number: 24156	QC Prep Batch Number: 997270					Collection: 5/23/2001			Time: 09:30
Client ID: MW-2						Sample Description:			
Methane	260	ug/l	0.50	1.6	1		ECCS-1	ua	/ 5/31/2001
Sample Number: 24157	QC Prep Batch Number: 997270					Collection: 5/23/2001			Time: 10:00
Client ID: MW-3						Sample Description:			
Methane	390	ug/l	0.50	1.6	1		ECCS-1	ua	/ 5/31/2001
Sample Number: 24158	QC Prep Batch Number: 997270					Collection: 5/23/2001			Time: 10:30
Client ID: MW-4						Sample Description:			
Methane	1.2	ug/l	0.50	1.6	1	J	ECCS-1	ua	/ 5/31/2001
Sample Number: 24159	QC Prep Batch Number: 997270					Collection: 5/23/2001			Time: 11:00
Client ID: MW-5						Sample Description:			
Methane	27	ug/l	0.50	1.6	1		ECCS-1	ua	/ 5/31/2001

Approved By: _____ **Date:** 6/25/01
James Chang, Ph.D. , Lab Director

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LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010314**
DATE REPORTED: 15-Jun-01
DATE RECEIVED: 24-May-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Proposed Developmen

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 24155		Matrix: GW								
Client ID: **MW-1**							Collection: 5/23/2001		Time: 09:00	
							Sample Description:			
Iron - ICAP	**0.12**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	bb	6/6/2001	*997171*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	6/4/2001	*997144*	
Sample Number: 24156		Matrix: GW								
Client ID: **MW-2**							Collection: 5/23/2001		Time: 09:30	
							Sample Description:			
Iron - ICAP	**0.14**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	bb	6/6/2001	*997171*	
Lead - Furnace AA	**7.9**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	6/4/2001	*997144*	
Sample Number: 24157		Matrix: GW								
Client ID: **MW-3**							Collection: 5/23/2001		Time: 10:00	
							Sample Description:			
Iron - ICAP	**0.11**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	bb	6/6/2001	*997171*	
Lead - Furnace AA	**40**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	6/4/2001	*997144*	
Sample Number: 24158		Matrix: GW								
Client ID: **MW-4**							Collection: 5/23/2001		Time: 10:30	
							Sample Description:			
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	6/6/2001	*997171*	
Lead - Furnace AA	**23**	**ug/l**	**RJ**	1.5	4.8	239.2	jb	6/4/2001	*997144*	
Sample Number: 24159		Matrix: GW								
Client ID: **MW-5**							Collection: 5/23/2001		Time: 11:00	
							Sample Description:			
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	bb	6/6/2001	*997171*	
Lead - Furnace AA	**2.3**	**ug/l**	*J* **RJ**	1.5	4.8	239.2	jb	6/4/2001	*997144*	

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20010314**
DATE REPORTED:	15-Jun-01
DATE RECEIVED:	24-May-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	IE-0006034
PROJECT NAME:	Proposed Developmen

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments

Approved By: [signature] **Date:** 6/15/01
James Chang, Ph.D. , Lab Director

RJ Result expressed as Total.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
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Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

City Milwaukee FEC, A

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

- ■ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

- ☐ closure sample
- ☐ confirmation required (NR720)
- ☐ RUSH

POSSIBLE HAZARDS:

Site: Vacant Lot

Address: 2221-7319 W. Ave. Milwaukee, WI

Sample Collector	Charles Rens	Project Manager	Dick Reesman	Project Number	1E-0006034
Laboratory Used	APL	Lab Contact		Lab Job Number	

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	Naphth. Pb	Methane	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
5635 MW-1	—	W	8/27	11:00 AM PM	—				X		X	X	4-40-1 1-500	A	Std		
5636 MW-2	—	W		11:30 AM PM	—				X		X	X	4-40-1 1-500	A			
5637 MW-3	—	W		12:00 AM PM	—				X		X	X	4-40-1 2-250	A			
5638 MW-5	—	W		12:30 AM PM	—				X		X	X	4-40-1 2-250	A			
5639 Trip Blank	—	W		1:00 AM PM	—				X		X	X	1-40-1	A			
				AM PM													
				AM PM													
				AM PM													
				AM PM													
				AM PM													
				AM PM													
				AM PM													

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H =
I =
J =

Relinquished By	Date	Time	Received By
[signature]	8-27-01	3:05 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ■ Send copy to Project Manager
Giles Eng.
Attn: Dick Reesman

REPORT TO: ■ same ☐ PM
Same

Page 1 of 1

forms.xls//COC 08/10/99

20010641

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010641**
DATE REPORTED: 17-Sep-01
DATE RECEIVED: 27-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: VACANT LOT

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25635	QC Prep Batch Number: 998267						Collection: 8/27/2001		Time: 11:00
Client ID: MW-1							Sample Description:		
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	lu	9/5/2001 / 9/5/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25636	QC Prep Batch Number: 998267						Collection: 8/27/2001		Time: 11:30
Client ID: MW-2							Sample Description:		
1,2,4-Trimethyl Benzene	228	ug/l	0.63	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Benzene	3.1	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ethylbenzene	9.2	ug/l	0.57	1.8	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Meta/Para-Xylene	1.8	ug/l	1.0	3.2	1	J	WI PVOC	lu	9/5/2001 / 9/5/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ortho-Xylene	0.70	ug/l	0.48	1.5	1	J	WI PVOC	lu	9/5/2001 / 9/5/2001
Toluene	1.3	ug/l	0.44	1.4	1	J	WI PVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25637	QC Prep Batch Number: 998267						Collection: 8/27/2001		Time: 12:00
Client ID: MW-3							Sample Description:		
1,2,4-Trimethyl Benzene	25	ug/l	0.63	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Benzene	2.7	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ethylbenzene	17	ug/l	0.57	1.8	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Meta/Para-Xylene	14	ug/l	1.0	3.2	1		WI PVOC	lu	9/5/2001 / 9/5/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ortho-Xylene	8.3	ug/l	0.48	1.5	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Toluene	0.77	ug/l	0.44	1.4	1	J	WI PVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25638	QC Prep Batch Number: 998267						Collection: 8/27/2001		Time: 12:30
Client ID: MW-5							Sample Description:		
1,2,4-Trimethyl Benzene	4.1	ug/l	0.63	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
1,3,5-Trimethyl Benzene	1.0	ug/l	0.62	2.0	1	J	WI PVOC	lu	9/5/2001 / 9/5/2001
Benzene	99	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ethylbenzene	18	ug/l	0.57	1.8	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Meta/Para-Xylene	24	ug/l	1.0	3.2	1		WI PVOC	lu	9/5/2001 / 9/5/2001

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010641**
DATE REPORTED: 17-Sep-01
DATE RECEIVED: 27-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: VACANT LOT

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ortho-Xylene	13	ug/l	0.48	1.5	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Toluene	1.7	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001

Sample Number: 25639
Client ID: TRIP BLANK
QC Prep Batch Number: 998267
Collection: 8/27/2001 Time: 13:00
Sample Description:

1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	lu	9/5/2001 / 9/5/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	lu	9/5/2001 / 9/5/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	lu	9/5/2001 / 9/5/2001

Approved By: _____ **Date:** 9/17/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010641**
DATE REPORTED: 20-Sep-01
DATE RECEIVED: 27-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: VACANT LOT

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 25635 Matrix: GW										
Client ID: **MW-1**							Collection: 8/27/2001			Time: 11:00
							Sample Description:			
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/12/2001	*998254*	
Sample Number: 25636 Matrix: GW										
Client ID: **MW-2**							Collection: 8/27/2001			Time: 11:30
							Sample Description:			
Lead - Furnace AA	**4.3**	**ug/l**	***J* RJ**	1.5	4.8	239.2	tm	9/12/2001	*998254*	
Sample Number: 25637 Matrix: GW										
Client ID: **MW-3**							Collection: 8/27/2001			Time: 12:00
							Sample Description:			
Lead - Furnace AA	**15**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/12/2001	*998254*	
Sample Number: 25638 Matrix: GW										
Client ID: **MW-5**							Collection: 8/27/2001			Time: 12:30
							Sample Description:			
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	tm	9/12/2001	*998254*	

Approved By: _____ **Date:** 9/27/01
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010641**
DATE REPORTED: 20-Sep-01
DATE RECEIVED: 27-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: VACANT LOT

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25635	QC Prep Batch Number: 998376					Collection: 8/27/2001			Time: 11:00
Client ID: MW-1						Sample Description:			
Methane	0.67	**ug/l**	0.50	1.6	1	J	ECCS-1	us	/ 9/4/2001
Sample Number: 25636	QC Prep Batch Number: 998376					Collection: 8/27/2001			Time: 11:30
Client ID: MW-2						Sample Description:			
Methane	160	**ug/l**	0.50	1.6	1		ECCS-1	us	/ 9/4/2001
Sample Number: 25637	QC Prep Batch Number: 998376					Collection: 8/27/2001			Time: 12:00
Client ID: MW-3						Sample Description:			
Methane	180	**ug/l**	0.50	1.6	1		ECCS-1	us	/ 9/4/2001
Sample Number: 25638	QC Prep Batch Number: 998376					Collection: 8/27/2001			Time: 12:30
Client ID: MW-5						Sample Description:			
Methane	140	**ug/l**	0.50	1.6	1		ECCS-1	us	/ 9/4/2001
Sample Number: 25639	QC Prep Batch Number: 998376					Collection: 8/27/2001			Time: 13:00
Client ID: TRIP BLANK						Sample Description:			
Methane	< 0.50	**ug/l**	0.50	1.6	1		ECCS-1	us	/ 9/4/2001

Approved By: _____ **Date:** 9/20/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010641**
DATE REPORTED: 17-Sep-01
DATE RECEIVED: 27-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: VACANT LOT

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25635	QC Prep Batch Number:			998268			Collection: 8/27/2001		Time: 11:00
Client ID: MW-1							Sample Description:		
Naphthalene	38	**ug/l**	1.2	3.9	1		WIPVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25636	QC Prep Batch Number:			998268			Collection: 8/27/2001		Time: 11:30
Client ID: MW-2							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25637	QC Prep Batch Number:			998268			Collection: 8/27/2001		Time: 12:00
Client ID: MW-3							Sample Description:		
Naphthalene	38	**ug/l**	1.2	3.9	1		WIPVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25638	QC Prep Batch Number:			998268			Collection: 8/27/2001		Time: 12:30
Client ID: MW-5							Sample Description:		
Naphthalene	2.6	**ug/l**	1.2	3.9	1	J	WIPVOC	lu	9/5/2001 / 9/5/2001
Sample Number: 25639	QC Prep Batch Number:			998268			Collection: 8/27/2001		Time: 13:00
Client ID: TRIP BLANK							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	lu	9/5/2001 / 9/5/2001

Approved By: [signature] **Date:** 9/17/01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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Giles Engineering Associates, Inc.

- ☒ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

CHAIN-OF-CUSTODY 20010983

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

POSSIBLE HAZARDS: _____

Site: Police Athletic Field
Address: Milwaukee, WI

Sample Collector: Charles Rens	Project Manager: Dick Reesman	Project Number: IE-0006034
Laboratory Used: APL	Lab Contact:	Lab Job Number:

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC / Naphthalene	BTEX	Methane	Pb											Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
MW-1	—	W	12/7	12:00 AM/PM	—				X		X	X											3	A	Std	26773	
MW-2	—	W	12/7	1:00 AM/PM	—				X		X	X											3	A	Std	26774	
MW-3	—	W	12/7	2:00 AM/PM	—				X		X	X	possible	Dilution									3	A	Std	26780	
MW-5	—	W	12/7	3:00 AM/PM	—				X		X	X											3	A	Std	26781	
				AM/PM																							
				AM/PM																							
				AM/PM																							
				AM/PM																							
				AM/PM																							
				AM/PM																							
				AM/PM																							
				AM/PM																							

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
[signature]	12-7-01	3:00 AM/PM	[signature]
		AM/PM	
		AM/PM	
		AM/PM	

INVOICE TO: ☒ Send copy to Project Manager
Giles Engineering
Attn: Dick Reesman

REPORT TO: ☒ same ☐ PM
Same

Page 1 of 1

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010983**
DATE REPORTED: 27-Dec-01
DATE RECEIVED: 07-Dec-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Police Athletic F

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26778		QC Prep Batch Number:		999321			Collection: 12/7/2001		Time: 12:00
Client ID: MW-1							Sample Description:		
Naphthalene	10	**ug/l**	1.2	3.9	1		WIPVOC	lu	12/20/2001 / 12/20/2001
Sample Number: 26779		QC Prep Batch Number:		999321			Collection: 12/7/2001		Time: 13:00
Client ID: MW-2							Sample Description:		
Naphthalene	3.1	**ug/l**	1.2	3.9	1	*J*	WIPVOC	lu	12/20/2001 / 12/20/2001
Sample Number: 26780		QC Prep Batch Number:		999321			Collection: 12/7/2001		Time: 14:00
Client ID: MW-3							Sample Description:		
Naphthalene	2.6	**ug/l**	1.2	3.9	1	*J*	WIPVOC	lu	12/20/2001 / 12/20/2001
Sample Number: 26781		QC Prep Batch Number:		999321			Collection: 12/7/2001		Time: 15:00
Client ID: MW-5							Sample Description:		
Naphthalene	8.5	**ug/l**	1.2	3.9	1		WIPVOC	lu	12/20/2001 / 12/20/2001

Approved By: _____ **Date:** 12-27-01
James Chang, Ph.D., Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
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DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010983**
DATE REPORTED: 27-Dec-01
DATE RECEIVED: 07-Dec-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Police Athletic F

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26778	QC Prep Batch Number: 999300						Collection: 12/7/2001		Time: 12:00
Client ID: MW-1							Sample Description:		
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	lu	12/20/2001 / 12/20/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Sample Number: 26779	QC Prep Batch Number: 999300						Collection: 12/7/2001		Time: 13:00
Client ID: MW-2							Sample Description:		
1,2,4-Trimethyl Benzene	27	ug/l	0.63	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
1,3,5-Trimethyl Benzene	6.8	ug/l	0.62	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Benzene	41	ug/l	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ethylbenzene	81	ug/l	0.57	1.8	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Meta/Para-Xylene	9.2	ug/l	1.0	3.2	1		WI PVOC	lu	12/20/2001 / 12/20/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ortho-Xylene	4.5	ug/l	0.48	1.5	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Toluene	6.9	ug/l	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Sample Number: 26780	QC Prep Batch Number: 999300						Collection: 12/7/2001		Time: 14:00
Client ID: MW-3							Sample Description:		
1,2,4-Trimethyl Benzene	13	ug/l	0.63	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Benzene	3.6	ug/l	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ethylbenzene	11	ug/l	0.57	1.8	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Meta/Para-Xylene	6.9	ug/l	1.0	3.2	1		WI PVOC	lu	12/20/2001 / 12/20/2001
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ortho-Xylene	5.7	ug/l	0.48	1.5	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Toluene	1.4	ug/l	0.44	1.4	1	J	WI PVOC	lu	12/20/2001 / 12/20/2001
Sample Number: 26781	QC Prep Batch Number: 999300						Collection: 12/7/2001		Time: 15:00
Client ID: MW-5							Sample Description:		
1,2,4-Trimethyl Benzene	15	ug/l	0.63	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
1,3,5-Trimethyl Benzene	3.1	ug/l	0.62	2.0	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Benzene	160	ug/l	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ethylbenzene	75	ug/l	0.57	1.8	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Meta/Para-Xylene	73	ug/l	1.0	3.2	1		WI PVOC	lu	12/20/2001 / 12/20/2001

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8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20010983**
DATE REPORTED:	27-Dec-01
DATE RECEIVED:	07-Dec-01
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	IE-0006034
PROJECT NAME:	Police Athletic F

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
MTBE	< 0.30	**ug/l**	0.30	0.95	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Ortho-Xylene	41	**ug/l**	0.48	1.5	1		WI PVOC	lu	12/20/2001 / 12/20/2001
Toluene	6.9	**ug/l**	0.44	1.4	1		WI PVOC	lu	12/20/2001 / 12/20/2001

Approved By: _____ **Date:** 12-27-01
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20010983**
DATE REPORTED: 28-Dec-01
DATE RECEIVED: 07-Dec-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Police Athletic F

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 26778	QC Prep Batch Number: 999329						Collection: 12/7/2001		Time: 12:00
Client ID: MW-1							Sample Description:		
Methane	2.4	**ug/l**	0.50	1.6	1		ECCS-1	445134030	12/13/2001 / 12/14/2001
Sample Number: 26779	QC Prep Batch Number: 999329						Collection: 12/7/2001		Time: 13:00
Client ID: MW-2							Sample Description:		
Methane	550	**ug/l**	0.50	1.6	1		ECCS-1	445134030	12/13/2001 / 12/14/2001
Sample Number: 26780	QC Prep Batch Number: 999329						Collection: 12/7/2001		Time: 14:00
Client ID: MW-3							Sample Description:		
Methane	440	**ug/l**	0.50	1.6	1		ECCS-1	445134030	12/13/2001 / 12/14/2001
Sample Number: 26781	QC Prep Batch Number: 999329						Collection: 12/7/2001		Time: 15:00
Client ID: MW-5							Sample Description:		
Methane	130	**ug/l**	0.50	1.6	1		ECCS-1	445134030	12/13/2001 / 12/14/2001

Approved By: [signature] TM **Date:** 12 DEC 01
James Chang, Ph.D. , Lab Director

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LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
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DNR Analytical Detection Limit Guidance, April 1995.

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APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010983**
DATE REPORTED: 28-Dec-01
DATE RECEIVED: 07-Dec-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: IE-0006034
PROJECT NAME: Police Athletic Field

Dick Reesman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 26778		Matrix: GW								
Client ID: **MW-1**							Collection: 12/7/2001		Time: 12:00	
							Sample Description:			
Iron - ICAP	**0.15**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	ez	12/19/2001	*999250*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	12/19/2001	*999250*	
Sample Number: 26779		Matrix: GW								
Client ID: **MW-2**							Collection: 12/7/2001		Time: 13:00	
							Sample Description:			
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/19/2001	*999250*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	12/19/2001	*999250*	
Sample Number: 26780		Matrix: GW								
Client ID: **MW-3**							Collection: 12/7/2001		Time: 14:00	
							Sample Description:			
Iron - ICAP	**0.35**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/19/2001	*999250*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	12/19/2001	*999250*	
Sample Number: 26781		Matrix: GW								
Client ID: **MW-5**							Collection: 12/7/2001		Time: 15:00	
							Sample Description:			
Iron - ICAP	**<0.081**	**mg/l**	**RJ**	0.081	0.26	200.7	ez	12/19/2001	*999250*	
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	ez	12/19/2001	*999250*	

Approved By: _____ **Date:** 12/28/01
James Chang, Ph.D., Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
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2003006T

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY _____

Site _____

Address 2320 W Burleigh Milw WI

- ☒ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 tel: 414-544-0118 fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 tel: 714-779-0052 fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 tel: 410-312-9950 fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 tel: 214-358-5885 fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 tel: 608-223-1853 fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 tel. 770-458-3399 fax: 770-458-3998

- ☐ closure sample
- ☐ confirmation required (NR720)
- ☐ RUSH

POSSIBLE HAZARDS: _____

Sample Collector	Greg Vogel	Project Manager	Tim Welch	Project Number	1E0006034
Laboratory Used	APL	Lab Contact	Jim	Lab Job Number	

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	Naphthalene	Dissolved Pb												Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
MW1R		GW	1-31	AM PM					X		X	X															3133	3
MW2R		GW	1-31	AM PM					X		X	X															34	
MW5		GW	1-31	AM PM					X		X	X															35	
MW6		GW	1-31	AM PM					X		X	X															36	
Trip Blk		Lab	1-31	AM PM					X																		37	
				AM PM																								
				AM PM																								
				AM PM																								
				AM PM																								
				AM PM																								
				AM PM																								
				AM PM																								

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
Gregory S. Vogel	2-3-03	10 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: ☐ Send copy to Project Manager

Giles Eng.
Att. Tim Welch

REPORT TO: ☐ same ☐ PM

Same

Page 1 of 1

forms.xls//COC 08/10/99

Sample Login Record

Giles Engineering Associates, Inc. Tel: 262-544-0118
Tim Welch Fax: 262-549-5868

Login Date: 2/3/2003
Date Generated: 2/3/03

Batch#	Samp#	Method and Test	#_Bottles	Bot_Type	Pres_Type

20030067

31333 Matrix: GW Client S#: MW1R Sample Desc.: Collect_D: 1/31/2003

NAPHW
PVOCW
200.7 *Lead - ICAP*

31334 Matrix: GW Client S#: MW2R Sample Desc.: Collect_D: 1/31/2003

NAPHW
PVOCW
200.7 *Lead - ICAP*

31335 Matrix: GW Client S#: MW5 Sample Desc.: Collect_D: 1/31/2003

NAPHW
PVOCW
200.7 *Lead - ICAP*

31336 Matrix: GW Client S#: MW6 Sample Desc.: Collect_D: 1/31/2003

NAPHW
PVOCW
200.7 *Lead - ICAP*

31337 Matrix: GW Client S#: Trip BLK Sample Desc.: Collect_D: 1/31/2003

NAPHW
PVOCW
200.7 *Lead - ICAP*

Generated By: ab **at** 10:29 AM

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20030067**
DATE REPORTED:	13-Feb-03
DATE RECEIVED:	03-Feb-03
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E-0006034
PROJECT NAME:	2320 W Burleigh

Tim Welch
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 31333		Matrix: GW								
Client ID: **MW1R**								Collection: 1/31/2003		Time: 10:00
								Sample Description:		
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	am	2/12/2003	*1003411*	
Sample Number: 31334		Matrix: GW								
Client ID: **MW2R**								Collection: 1/31/2003		Time: 10:00
								Sample Description:		
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	am	2/12/2003	*1003411*	
Sample Number: 31335		Matrix: GW								
Client ID: **MW5**								Collection: 1/31/2003		Time: 10:00
								Sample Description:		
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	am	2/12/2003	*1003411*	
Sample Number: 31336		Matrix: GW								
Client ID: **MW6**								Collection: 1/31/2003		Time: 10:00
								Sample Description:		
Lead - ICAP	**<0.049**	**mg/l**	**RJ**	0.049	0.16	200.7	am	2/12/2003	*1003411*	

Approved By: James Chang /LB **Date:** 2/13/03
James Chang, Ph.D. Lab Director

RJ Result expressed as Total.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20030067**
DATE REPORTED: 04-Feb-03
DATE RECEIVED: 03-Feb-03
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2320 W Burleig

Tim Welch
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Sample Number: 31333
Client ID: MW1R
QC Prep Batch Number: 1003340
Collection: 1/31/2003 Time: 10:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	2/4/2003 / 2/4/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003

Sample Number: 31334
Client ID: MW2R
QC Prep Batch Number: 1003340
Collection: 1/31/2003 Time: 10:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	2/4/2003 / 2/4/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003

Sample Number: 31335
Client ID: MW5
QC Prep Batch Number: 1003340
Collection: 1/31/2003 Time: 10:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Benzene	1.7	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	2/4/2003 / 2/4/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003

Sample Number: 31336
Client ID: MW6
QC Prep Batch Number: 1003340
Collection: 1/31/2003 Time: 10:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	2/4/2003 / 2/4/2003

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APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20030067**
DATE REPORTED: 04-Feb-03
DATE RECEIVED: 03-Feb-03
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2320 W Burleig

Tim Welch
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003

Sample Number: 31337
Client ID: Trip BLK
QC Prep Batch Number: 1003340
Collection: 1/31/2003 Time: 10:00
Sample Description:

1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	2/4/2003 / 2/4/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	2/4/2003 / 2/4/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	2/4/2003 / 2/4/2003

Approved By: James Chang /dB **Date:** 2/4/03
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time windows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20030067**
DATE REPORTED: 04-Feb-03
DATE RECEIVED: 03-Feb-03
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E-0006034
PROJECT NAME: 2320 W Burleig

Tim Welch
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 31333	QC Prep Batch Number:			1003343			Collection: 1/31/2003		Time: 10:00
Client ID: MW1R							Sample Description:		
Naphthalene	< 1.2	ug/l	1.2	3.9	1		WIPVOC	jc	2/4/2003 / 2/4/2003
Sample Number: 31334	QC Prep Batch Number:			1003343			Collection: 1/31/2003		Time: 10:00
Client ID: MW2R							Sample Description:		
Naphthalene	< 1.2	ug/l	1.2	3.9	1		WIPVOC	jc	2/4/2003 / 2/4/2003
Sample Number: 31335	QC Prep Batch Number:			1003343			Collection: 1/31/2003		Time: 10:00
Client ID: MW5							Sample Description:		
Naphthalene	< 1.2	ug/l	1.2	3.9	1		WIPVOC	jc	2/4/2003 / 2/4/2003
Sample Number: 31336	QC Prep Batch Number:			1003343			Collection: 1/31/2003		Time: 10:00
Client ID: MW6							Sample Description:		
Naphthalene	< 1.2	ug/l	1.2	3.9	1		WIPVOC	jc	2/4/2003 / 2/4/2003
Sample Number: 31337	QC Prep Batch Number:			1003343			Collection: 1/31/2003		Time: 10:00
Client ID: Trip BLK							Sample Description:		
Naphthalene	< 1.2	ug/l	1.2	3.9	1		WIPVOC	jc	2/4/2003 / 2/4/2003

Approved By: James Chang/AB **Date:** 2/4/03
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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Giles Engineering Associates, Inc.

- [x] N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- [ ] 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- [ ] 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- [ ] 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- [ ] 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- [ ] 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

CHAIN-OF-CUSTODY 200302-tx

- [ ] closure sample
- [ ] confirmation required (NR720)
- [ ] RUSH

POSSIBLE HAZARDS: _____

Site: RACM

Address: 2320 Burleigh Milw WI

Sample Collector: Gregory S. Vogel	Project Manager: Tom Bauman	Project Number: IE0006034
Laboratory Used: APL	Lab Contact: Jim	Lab Job Number:

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC + Naphthalene	BTEX	Dissolved Lead	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
MW1R		GW	5/7/03	AM PM					X			2D	HCL		3234	
MW2R				AM PM					X			2D	HCL		35	
MW3R				AM PM					X		X	2D, 1F	HCL/HNO3		36	
MW5				AM PM					X			2D	HCL		37	
MW6				AM PM					X			2D	HCL		38	
MW7				AM PM					X		X	2D, 1F	HCL/HNO3		39	
Trip Blank				AM PM					X			1D	HCL		40	
				AM PM												
				AM PM												
				AM PM												
				AM PM												
				AM PM												

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = ~~250~~ 500 mL plastic
G = poly bag
H = _____
I = _____
J = _____

Relinquished By	Date	Time	Received By
Gregory S. Vogel	5/8/03	5:45 AM PM	[signature]
		AM PM	
		AM PM	
		AM PM	

INVOICE TO: [x] Send copy to Project Manager
Giles Eng.
Att Tom Bauman

REPORT TO: [x] same [ ] PM
Same

Page 1 of 1

forms.xls//COC 08/10/99

Sample Login Record

Giles Engineering Associates, Inc. Tel: 262-544-0118
Tom Bouman Fax: 262-549-5868

Login Date: 5/8/2003
Date Generated: 5/8/03

Batch#	Samp#	Method and Test	#_Bottles	Bot_Type	Pres_Type

20030272

32034 Matrix: GW Client S#: MW1R Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW

32035 Matrix: GW Client S#: MW2R Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW

32036 Matrix: GW Client S#: MW3R Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW
239.2 *Lead - Furnace AA*

32037 Matrix: GW Client S#: MW5 Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW

32038 Matrix: GW Client S#: MW6 Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW

32039 Matrix: GW Client S#: MW7 Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW
239.2 *Lead - Furnace AA*

32040 Matrix: GW Client S#: Trip BLK Sample Desc.: Collect_D: 5/7/2003

NAPHW
PVOCW

Generated By: ab **at** 11:00 AM

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20030272**
DATE REPORTED: 14-May-03
DATE RECEIVED: 08-May-03
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0006034
PROJECT NAME: RACM - 2320 B

Tom Bouman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 32034 — QC Prep Batch Number: 1003962 — Collection: 5/7/2003 — Time: 13:00 — Client ID: MW1R — Sample Description:									
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	5/9/2003 / 5/9/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32035 — QC Prep Batch Number: 1003962 — Collection: 5/7/2003 — Time: 13:00 — Client ID: MW2R — Sample Description:									
1,2,4-Trimethyl Benzene	2.5	ug/l	1.3	4.0	2	J	WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 1.2	ug/l	1.2	3.9	2		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	8.2	ug/l	0.89	2.8	2		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	3.9	ug/l	1.1	3.6	2		WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	< 2.0	ug/l	2.0	6.4	2		WI PVOC	jc	5/9/2003 / 5/9/2003
MTBE	< 0.60	ug/l	0.60	1.9	2		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.95	ug/l	0.95	3.0	2		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.88	ug/l	0.88	2.8	2		WI PVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32036 — QC Prep Batch Number: 1003962 — Collection: 5/7/2003 — Time: 10:00 — Client ID: MW3R — Sample Description:									
1,2,4-Trimethyl Benzene	1.0	ug/l	0.63	2.0	1	J	WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	1.2	ug/l	0.57	1.8	1	J	WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	4.3	ug/l	1.0	3.2	1		WI PVOC	jc	5/9/2003 / 5/9/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32037 — QC Prep Batch Number: 1003962 — Collection: 5/7/2003 — Time: 13:00 — Client ID: MW5 — Sample Description:									
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	9.2	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	5/9/2003 / 5/9/2003

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20030272**
DATE REPORTED: 14-May-03
DATE RECEIVED: 08-May-03
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0006034
PROJECT NAME: RACM - 2320 B

Tom Bouman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003

Sample Number: 32038
Client ID: MW6
QC Prep Batch Number: 1003962
Collection: 5/7/2003 Time: 13:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	5/9/2003 / 5/9/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003

Sample Number: 32039
Client ID: MW7
QC Prep Batch Number: 1003962
Collection: 5/7/2003 Time: 13:00
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	5/9/2003 / 5/9/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003

Sample Number: 32040
Client ID: Trip BLK
QC Prep Batch Number: 1003962
Collection: 5/7/2003 Time:
Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2,4-Trimethyl Benzene	< 0.63	ug/l	0.63	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
1,3,5-Trimethyl Benzene	< 0.62	ug/l	0.62	2.0	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Benzene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ethylbenzene	< 0.57	ug/l	0.57	1.8	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Meta/Para-Xylene	< 1.0	ug/l	1.0	3.2	1		WI PVOC	jc	5/9/2003 / 5/9/2003
MTBE	< 0.30	ug/l	0.30	0.95	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Ortho-Xylene	< 0.48	ug/l	0.48	1.5	1		WI PVOC	jc	5/9/2003 / 5/9/2003
Toluene	< 0.44	ug/l	0.44	1.4	1		WI PVOC	jc	5/9/2003 / 5/9/2003

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20030272**
DATE REPORTED:	14-May-03
DATE RECEIVED:	08-May-03
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0006034
PROJECT NAME:	RACM - 2320 B

Tom Bouman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: James Chang/AB **Date:** 5/14/03
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20030272**
DATE REPORTED: 14-May-03
DATE RECEIVED: 08-May-03
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0006034
PROJECT NAME: RACM - 2320 B

Tom Bouman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 32034	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time: 13:00
Client ID: MW1R							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32035	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time: 13:00
Client ID: MW2R							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32036	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time: 10:00
Client ID: MW3R							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32037	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time: 13:00
Client ID: MW5							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32038	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time: 13:00
Client ID: MW6							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32039	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time: 13:00
Client ID: MW7							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003
Sample Number: 32040	QC Prep Batch Number:			1003961			Collection: 5/7/2003		Time:
Client ID: Trip BLK							Sample Description:		
Naphthalene	< 1.2	**ug/l**	1.2	3.9	1		WIPVOC	jc	5/9/2003 / 5/9/2003

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20030272**
DATE REPORTED:	14-May-03
DATE RECEIVED:	08-May-03
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0006034
PROJECT NAME:	RACM - 2320 B

Tom Bouman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: James Chang / LB **Date:** 5/14/03
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

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INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20030272**
DATE REPORTED:	14-May-03
DATE RECEIVED:	08-May-03
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0006034
PROJECT NAME:	RACM - 2320 Burlei

Tom Bouman
Giles Engineering Associates, Inc.
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 32036		Matrix: GW								
Client ID: **MW3R**								Collection: 5/7/2003		Time: 10:00
								Sample Description:		
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	5/13/2003	*1003981*	
Sample Number: 32039		Matrix: GW								
Client ID: **MW7**								Collection: 5/7/2003		Time: 13:00
								Sample Description:		
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	5/13/2003	*1003981*	

Approved By: James Chang, Lab **Date:** 5/14/03
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

ATTACHMENT H

Mann-Kendall Statistical Tests

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name = Police Athletic League Facility | BRRTS No. = 03-41-258967 | Well Number = MW2/MW2R

Event Number	Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	Naphthalene Concentration (leave blank if no data)
1	13-Sep-00	20.00	1.40	35.00	24.40	113.00	3.90
2	15-Feb-01	47.00	7.30	110.00	50.00	84.00	0.60
3	23-May-01	3.50	1.20	6.10	2.10	5.20	1.80
4	27-Aug-01	3.10	1.30	9.20	2.50	228.00	0.60
5	7-Dec-01	41.00	6.90	11.00	13.70	33.80	3.10
6	31-Jan-03	0.22	0.22	0.28	0.74	0.62	0.60
7	7-May-03	8.20	0.22	3.90	0.74	2.50	0.60
8							
9							
10							
	Mann Kendall Statistic (S) =	-7.0	-10.0	-11.0	-12.0	-11.0	-7.0
	Number of Rounds (n) =	7	7	7	7	7	7
	Average =	17.57	2.65	25.07	13.45	66.73	1.60
	Standard Deviation =	19.223	3.082	39.124	18.383	83.480	1.389
	Coefficient of Variation(CV)=	1.094	1.164	1.561	1.366	1.251	0.868

Error Check, Blank if No Errors Detected

Trend 80% Confidence Level	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING	DECREASING
Trend 90% Confidence Level	No Trend	DECREASING	DECREASING	DECREASING	DECREASING	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level	NA	NA	NA	NA	NA	NA

Data Entry By = T.J.B. | Date = 19-Jun-03 | Checked By = T.P.W.

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

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Site Name = Police Athletic League Facility | BRRTS No. = 03-41-258967 | Well Number = MW5

	Compound ->	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total TMB	Naphthalene
Event Number	Sampling Date (most recent last)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)	Concentration (leave blank if no data)
1	6-Nov-00	0.22	0.22	0.28	0.24	0.31	0.56
2	15-Feb-01	192.00	8.50	132.00	167.00	22.40	0.56
3	23-May-01	11.00	1.20	2.90	60.00	2.80	0.56
4	27-Aug-01	99.00	1.70	18.00	37.00	5.10	2.60
5	7-Dec-01	160.00	6.90	75.00	114.00	18.10	8.50
6	31-Jan-03	1.70	0.22	0.28	0.24	0.31	0.56
7	7-May-03	9.20	0.22	0.28	0.24	0.31	0.56
8							
9							
10							
	Mann Kendall Statistic (S) =	-1.0	-4.0	-4.0	-6.0	-4.0	3.0
	Number of Rounds (n) =	7	7	7	7	7	7
	Average =	67.59	2.71	32.68	54.10	7.05	1.99
	Standard Deviation =	82.154	3.488	51.490	65.018	9.272	2.971
	Coefficient of Variation(CV)=	1.216	1.288	1.576	1.202	1.316	1.496
Error Check, Blank if No Errors Detected							
Trend 80% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend 90% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level		CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE

Data Entry By = T.J.B. | Date = 19-Jun-03 | Checked By = T.P.W.

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name = Police Athletic League Facility | BRRTS No. = 03-41-258967 | Well Number = MW3/MW3R

Event Number	Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	Naphthalene Concentration (leave blank if no data)
1	13-Sep-00	0.67	0.14	3.10	24.70	3.38	0.37
2	15-Feb-01	1.90	1.10	24.00	70.00	83.00	
3	23-May-01	3.20	1.20	25.00	73.00	88.00	56.00
4	27-Aug-01	2.70	0.77	17.00	22.30	25.00	38.00
5	7-Dec-01	3.60	1.40	11.00	12.60	13.00	2.60
6	7-May-03	0.22	0.14	1.20	4.30	1.20	0.60
7							
8							
9							
10							
	Mann Kendall Statistic (S) =	3.0	2.0	-5.0	-9.0	-5.0	-2.0
	Number of Rounds (n) =	6	6	6	6	6	5
	Average =	2.05	0.79	13.55	34.48	35.60	19.51
	Standard Deviation =	1.373	0.544	10.202	29.594	39.591	25.900
	Coefficient of Variation(CV)=	0.670	0.688	0.753	0.858	1.112	1.327
Error Check, Blank if No Errors Detected							
Trend 80% Confidence Level		No Trend	No Trend	No Trend	DECREASING	No Trend	No Trend
Trend 90% Confidence Level		No Trend	No Trend	No Trend	DECREASING	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level		CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	NA	CV > 1 NON-STABLE	CV > 1 NON-STABLE

Data Entry By = T.J.B. | Date = 19-Jun-03 | Checked By = T.P.W.

Geotechnical, Environmental & Construction Materials Consultants

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