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Additional Site Investigation Results October/November 2020

FV Steel and Wire Company

111 N. Douglas Street
Hortonville, Outagamie County Wisconsin

BRRTS No. 02-45-560221



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March 19, 2021

Mr. Jeremy Mitchell
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Subject: Additional Site Investigation Results for the former FV Steel and Wire Company Site at 111 North Douglas Street, Hortonville, Outagamie County, Wisconsin — BRRTS No. 02-45-560221. AECOM Project No. 60428891

Dear Mr. Mitchell,

AECOM Technical Services, Inc. (AECOM) is pleased to submit this Site Investigation (SI) report for the FV Steel and Wire Company who formerly owned the site at 111 North Douglas Street, Hortonville, Outagamie County, Wisconsin. This site investigation was undertaken to further assess deeper VOC concentrations at the source area and PAH impacts along Douglas Street at the subject property.

The recent site investigation activities represent a portion of the agreed upon scope of work in the current work plan submitted by AECOM on March 1, 2017, with supplemental information being submitted on July 17, 2017. Since access has not been able to be obtained for the off-site proposed piezometer location, a portion of the work was completed (including the installation of the source area piezometers) to obtain new groundwater information that will allow for improved decision making on future site investigation and management strategies. A discussion of the new subsurface data collected in 2020 and a new proposed location for PZ-7 is included in this report.

If you have any questions regarding the attached document, please contact us.

Respectfully,

AECOM Technical Services, Inc.

Gary Braun, PG (IL)
Senior Hydrogeologist/Project Manager

Andrew Mott, PG (WI), CPG
Senior Project Manager

cc Mr. Chad Erdmann, Environmental Manager, FVSW
Mr. Howard Law, General Counsel, GFG Alliance

April 23, 2021

Ms. Gwen Saliars
Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
625 East County Road Y, Suite 700, Oshkosh, WI 54901

Subject: Signature Page for the Additional Site Investigation Results Submittal for the former FV Steel and Wire Company Site at 111 North Douglas Street, Hortonville, Outagamie County, Wisconsin — BRRTS No. 02-45-560221. AECOM Project No. 60428891

Dear Ms. Saliars,

Per our telephone conversation, please see the attached signature page that is in conformance with NR 712.09 submittal certification requirements. If you have any additional comments or questions regarding the additional site investigation results, please contact us.

Respectfully,

AECOM Technical Services, Inc.



Gary M. Braun, PG (IL)
Senior Hydrogeologist/Project Manager

cc Mr. Chad Erdmann, Environmental Manager, FVSW
Mr. Howard Law, General Counsel, GFG Alliance

March 26, 2021

Hydrogeologist Certification

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



Andrew G. Mott, Senior Project Hydrogeologist
ANDREW G.
MOTT
PG-1266
OSHKOSH,
WI


4/16/2021

Date

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1.0 Introduction

This report has been prepared by AECOM Technical Services (AECOM) on behalf of FV Steel and Wire Company (FVSW) to document site investigation activities conducted in October and November 2020 at the 6.64-acre industrial property formerly owned by FVSW located at 111 North Douglas Street (Parcel Number 240031100) in Hortonville, Wisconsin. The recent site investigation activities represent a portion of the agreed upon scope of work in the current work plan. The current work plan was submitted to Wisconsin Department of Natural Resources (WI DNR) by AECOM on March 1, 2017 (AECOM, 2017a), with supplemental information being submitted on July 17, 2017 (AECOM, 2017b) at the request of WI DNR reviewers.

The primary work scope included in the Work Plan was further investigation of the Glacial Outwash hydrostratigraphic unit. Vertical profiling near the source area and evaluation of the horizontal extents of volatile organic compound (VOC) concentrations in the Glacial Outwash were proposed to characterize these concentrations in groundwater. The March 1, 2017 work plan (AECOM, 2017a) included installation of four roto-sonic drilled bedrock-contact piezometers (PZ-4, PZ-5, PZ-6, and PZ-7) to supplement the three existing piezometers. The scope of work also included: 1) abandonment of the 6-inch diameter “well” casing that was found along the north property boundary, 2) two rounds of groundwater quality monitoring, 3) hand auger soil sampling in the ditch-line near MW-13, and 4) an assessment of aquifer hydraulic conductivities.

The July 17, 2017 supplemental investigation plan (AECOM, 2017b) added the installation of a multi-level piezometer near the “source” area adjacent to shallow monitoring well MW-1. It also included shifting the proposed location of offsite piezometer PZ-7 to be closer to historical offsite tank spills in the adjacent property former owned by the American Toy Company. However, implementation of the existing site investigation plans (AECOM, 2017a and AECOM, 2017b) have been delayed for three years due to stalled access negotiations for installation of proposed off-site piezometer PZ-7.

To avoid further delays, a portion of the site investigation – including the installation of the source area piezometers – was advanced to obtain new groundwater information that will allow for improved decision making on future site investigation and management strategies. Specifically, the new subsurface investigation will be used to reevaluate the location and need for PZ-7 relative to achieving site closure. A discussion of the new subsurface data collected in 2020 and a new proposed location for PZ-7 is included in this report.

1.1 Site Description

The subject property, which is 6.64 acres in size and is zoned industrial, is located at 111 N. Douglas Street in the Village of Hortonville (Figure 1). The parcel is present within the Northwest 1/4 of the Southwest 1/4 of Section 35 Township- 22 North Range 15 East of Outagamie County. Approximate coordinates (in Wisconsin Transverse Mercator, meters) are 627452 (X) and 430245 (Y). Ground surface elevations vary from approximately 815 feet above the North American Datum of 1988 (Ft MSL) along the southern property line shared with the Chicago and Northwestern Railroad tracks to 800 Ft MSL towards the residential parcels north-northeast of the property.

The subject property is currently occupied primarily by a single-story building approximately 73,200 square feet (ft²) in dimension. The structure is constructed of a structural steel frame with masonry block and concrete floors. A wood-framed out building, which is about 3,500 ft² in size, is located immediately west of the main site structure. Finally, a small garage (900 ft²) is located east of the

main site structure. The remainder of the surface is covered with asphaltic concrete, concrete, gravel, and landscaped areas as illustrated in Figure 2. South and west of the aforementioned railroad tracks is an industrial parcel that was formerly owned by the American Toy Company.

1.2 Site Background

The subject property was used for agricultural and rural residential purposes until development in 1948 as a manufacturing facility for various steel and wire products under the name Wire Products Company (Phase I ESA report by Clayton Group Service, 2005). The company changed its name to Fox Valley Steel and Wire Company in 1995. In 2001, the company (except for the subject property) was sold to Monroe Acquisition Corporation, who leased the property and continued to operate steel and wire products manufacturing operations at the subject property under the name "Fox Valley Steel & Wire" until 2014. The original Fox Valley Steel and Wire Company retained ownership of the subject property and in 2001 changed its name to FV Steel and Wire Company. The current owner of the subject property is "111 N. Douglas, LLC" who took ownership as of March 5, 2018.

AECOM's previous subsurface investigation report (AECOM, 2016) summarized the historical environmental investigations at the property, as follows:

Between 2009 and 2013 United Engineering Consultants (United) on behalf of the tenant, Fox Valley Steel & Wire, conducted a site investigation of the property under BRRTS Case No. 02-45-553699. The site investigation was prompted by a June 5, 2009, letter from WDNR indicating that "visible disposal of uncontained sludge" was noted. During United's site investigation between 2009 and 2013, approximately 50 direct push borings were advanced with soil and water analysis. In addition, 13 groundwater monitoring wells were installed and sampled 3 to 4 times along with an on-site production well located along the south edge of the subject property near the wood structure.

Concentrations of selected VOCs including trichloroethene (TCE) exceeded Wisconsin Administrative Code (WAC) chapter NR 140 enforcement standards (ES) and/or preventive action limits (PALs) in some of the monitoring wells along with the on-site former supply well. In correspondence between United and WDNR it was suggested that VOC and polynuclear aromatic hydrocarbons (PAH) impacts in soils and groundwater were the responsibility of FV Steel and Wire Company. The WDNR issued an April 10, 2013, responsible party (RP) letter to Keystone Consolidated, Inc., requiring implementation of further soil and groundwater investigation for VOCs and PAHs along with a possible VOC vapor analysis under BRRTS case number 02-45-560221.¹ In a July 18, 2013, Phase II assessment report, United on behalf of the tenant, Fox Valley Steel & Wire, requested closure of the project case for inorganics, including metals and cyanide. WDNR issued final closure for metals under BRRTS case number 02-45-553699 on March 6, 2014.

Readily available records also indicated that up to four underground storage tanks (USTs) may have been on-site over the course of site operations. Three reported USTs included a 10,000-gallon diesel UST, a 7,000-gallon fuel oil UST, and a 550-gallon unleaded gasoline UST that were subsequently

¹ FVSW is a wholly-owned subsidiary of Keystone Consolidated, Inc.

removed in 1989. An additional 550-gallon UST is suspected to be double reported in the Wisconsin UST database.

The former American Toy & Furniture Company property (now owned by Affordable Rental & Storage, LLC) located south of the subject property conducted soil and groundwater investigation related to tetrachloroethylene (PCE) and TCE impacts to soil and groundwater from a spill under BRRTs Numbers 02-45-00563 (closed ERP) and 06-45-307856 (open VPLE). Surface soil and dissolved impacts at the area of the spill in the water table aquifer were delineated on-site and are currently in VPLE long-term monitoring for natural attenuation. No information was obtained regarding investigation of other areas of the site or the deep unconsolidated aquifer beneath the property.

1.3 Report Organization

The remaining portion of Section 1 provides contact information of the participants of this investigation. The remainder of the report describes the Methods (Section 2.0), Results (Section 3.0), and Conclusions (Section 4.0) related to additional site investigation activities conducted in October and November 2020.

1.4 Investigation Participants

The following parties are participants in this site investigation.

<p>Responsible Party: FV Steel and Wire Company (FVSW) 288 Argentina Avenue Bartonville, IL 61607</p>	<p>Contact: Mr. Chad Erdmann Environmental Manager Chad.Erdmann@libertysteel.us (309) 697-7165</p>
<p>Regulatory Agency: Wisconsin Department of Natural Resources 2984 Shawano Avenue, Green Bay, WI 54313</p>	<p>Contact: Mr. Jeremy Mitchell Senior Hydrogeologist/Project Manager 920-366-6830</p>
<p>Consultant: AECOM 1555 N. RiverCenter Drive, Suite 214 Milwaukee, Wisconsin 53212</p>	<p>Contact: Mr. Gary Braun, P.G. (IL) Senior Hydrogeologist/Project Manager 414-526-6224</p>
<p>Analytical Laboratory: Pace Analytical Inc. (Pace) 1795 Industrial Drive Green Bay, Wisconsin 54302</p>	<p>Contact: Mr. Chris Hyska 920-321-9407</p>
<p>Former Tenant and Plant Operator (2001-2014): Fox Valley Steel & Wire</p>	<p>Contact: Mr. James Monroe</p>

2.0 Investigative Methods

The recently completed subsurface investigation was focused around the installation of a nested piezometer installed near the “source area” where the highest concentrations of chlorinated solvents were previously observed. The nested piezometers were installed using roto-sonic techniques that were performed in accordance with WAC NR 141. The deep soil boring for PZ-MW1C was advanced at the source area and yielded continuous subsurface retrieval for stratigraphic review. Retrieved soil samples were visually inspected and logged on-site by an AECOM geologist using the Unified Soil Classification System (USCS). Borings advanced for the two shallower piezometers (PZ-MW1A and PZ-MW1B) within the nested well were not sampled (blank drilled) since they were offset less than 10 feet from PZ-MW1C. Shallow well MW-14 was advanced in a similar fashion. The boring logs for the new piezometers and monitoring well are included in Appendix A1.

The new monitoring well and piezometers were constructed of 2-inch diameter schedule 40 PVC with a 5-foot slotted screen (0.010-inch manufactured slots). Three nested piezometers were installed as indicated in the Work Plan Addendum (AECOM, 2017b), but the well screen intervals for PZ-MW1A and PZ-MW1B were adjusted to accommodate coarser-grained sand deposits for better groundwater yields within the Outwash Unit as summarized below (listed as feet below ground surface, ft bgs):

- PZ-MW1A (40 to 45 ft bgs)
- PZ-MW1B (55 to 60 ft bgs)

The screen interval for PZ-MW1C (75 to 80 ft bgs) was installed at the inferred unconsolidated-sandstone bedrock contact. AECOM surveyed the elevations of MW-14 and the piezometers following installation. Details of well construction are provided on the well construction reports provided in Appendix A2.

After the well seals were allowed to hydrate, each new groundwater monitoring point was developed using surge and purge techniques. The wells were surged using a nominal 2-inch diameter surge block and then purged using a disposable bailer or a submersible pump. Purging continued until at least 10 well volumes were excavated from the wells, which resulted in minimum turbidity (visually clear) being achieved. Note that monitoring well MW-14 was dry after its installation and not developed. Well development records are included in Appendix A3.

Groundwater level monitoring and sample collections were conducted at the new nested piezometers (PZ-MW1A, PZ-MW1B, and PZ-MW1C), new upgradient monitoring well (MW-14), as well as existing monitoring wells and piezometers that were located. Two monitoring wells (MW-2 and MW-9) and one piezometer (PZ-1) could not be located and suspected to be covered with gravel from snow plowing or lot grading activities. Static groundwater levels were recorded using an electronic water level tape to an accuracy of 0.01 feet below the top of the PVC riser pipes. A summary of the groundwater level monitoring results is provided in Table 1.

Groundwater samples were collected using minimum drawdown (low-flow) sampling techniques. Similar to previous sampling events, water samples were collected from water table wells using a peristaltic pump and from piezometers using a submersible pump. Dedicated tubing was used for the sampling in all wells. A flow-through cell was used during well purging so the field parameters, including: temperature, pH, and specific conductance could be recorded, and consistent readings could be reasonably assured that indicate formation water is being sampled rather than static water

within the riser pipe. Groundwater samples were analyzed for VOCs (using EPA Method 8260), as well as several natural attenuation parameters, including: methane, ethane, ethene, nitrate/nitrite, chloride, and sulfide. Analytical testing was performed by Pace Analytical Services, Inc. (Pace) of Green Bay, Wisconsin.

Soil cuttings and well purge water were drummed, tested, removed from the site, and disposed of by a licensed waste hauler, Covanta Environmental Solutions, from Winneconne, Wisconsin. Copies of the disposal records are included in Appendix A4.

Soil Sampling

Four soil samples were collected after hand augers were advanced to a depth of approximately 3 ft bgs along the ditch line near monitoring well MW-13. Utilities were cleared by a subcontracted utility locating service and from the Hortonville Public Works Director. The soil samples were collected from the hand auger borings to aid in further delineation of PAH soil impacts along the ditch-line.

3.0 Results

3.1 Site Geology

The shallow subsurface materials consist of fill, recent silt and fine-sand flood deposits, and Pleistocene sub- and pro- glacial meltwater deposits. These overburden materials are underlain by undifferentiated Upper Cambrian sandstones from the Franconia and Dresbach member sandstones of the Trempealeau Formation, as illustrated in the North-South regional geologic cross-section included as Figure 3. Glacially-derived Pleistocene materials consist of mostly glacial drift overlying bedrock, which are in turn overlain by till and glacial-fluvial and fill deposits. Overburden deposits range from 50 to 79 feet in thickness, as observed in the borings for PZ-1, PZ-2, PZ-3, and PZ-MW1C. Sandstone bedrock was observed at the terminal depths for each of these four borings.

Specifically, the upper five to seven feet of soil typically consists of fine to medium-grained sand topped with various reworked fill material. Underlying the surficial sand (and fill) deposits is fine-grained silty-clay till unit that is yellowish-brown to dark brown, damp to moist with trace volumes of fine to coarse gravel. The Quaternary Till Unit varies from 6 to 14 feet in thickness and generally observed between elevations 795 and 805 Ft NAVD88. The water table is shallow (approximate 5 ft bgs) and observed either within the base of the surficial sand deposits or within the upper portion of the till unit.

An outwash unit underlies the glacial till and was observed to extend to bedrock at depths from 51 to 79 ft bgs, or elevations that vary from 736 to 759 Ft NAVD88. Outwash primarily consists of silty sand (SM), but was typically found to be coarser grained (poorly to well sorted medium sand) for 5 to 10 feet immediately overlying bedrock. The outwash appears to be only slightly coarser-grained than the primarily silty clay of the till unit that overlies it.

Silty clay (CL) and well sorted sand (SW) were occasionally observed as 2 to 4-foot thick lens within the outwash. However, the lenses were not observed to be consistent across the site at piezometer locations. Bedrock elevations appear to vary considerably across the site, considering the bedrock elevation at PZ-1 is more than 20 feet higher (759 Ft) than observed at the remaining site piezometers (about 736 Ft MSL at PZ-2, PZ-3, and PZ-MW1C). Additional bedrock elevations were inferred from local well records to assess the bedrock surface and its potential for structural controls on groundwater flow. A structural contour map of the bedrock surface is included as Figure 4. The inferred local bedrock surface indicates bedrock elevations range locally from more than 800 Ft MSL less than a half-mile west to less than 650 Ft MSL north of the subject property. Bedrock lows correspond to the buried bedrock valley that underlies the Wolf River Basin.

3.2 Site Hydrogeology

A contour map of the water table was developed (Figure 5) based on the static groundwater elevations measured at shallow monitoring wells on November 11, 2020. A summary of the groundwater elevations, along with a comparison to water levels measured in March 2016 are summarized in Table 1. Groundwater flow is generally north or northeast as illustrated on Figure 5. The measured water table was encountered at a depth of approximately 2 to 8 ft bgs in the shallow monitoring wells.

Shallow groundwater flows generally north/northeast toward the Wolf River Basin. The Wolf River is the major regional groundwater sink and runs east-west approximately one-mile north of the site. Its present location overlies a bedrock valley which is filled with glacial deposits that are may be up to 800 feet in thickness (LeRoux, E.F., 1957). The glacial and recent deposits from the Wolf River produce a broad, low-lying river bottoms area. The subject property is located in a transition area between the higher topography to the south and the Wolf River valley located approximately one-mile to the north. The average horizontal hydraulic gradient of the water table in the Till Unit is approximately 0.017 ft/ft across the site indicated on Table 2.

Equilibrated piezometric elevations observed in the piezometers completed within the Outwash indicate a primarily southerly flow direction as shown on Figure 6. The horizontal hydraulic gradient as the base of the Outwash unit was an order of magnitude lower than the Till unit. The horizontal hydraulic gradient calculated at the basal outwash/bedrock interface was 0.00167 ft/ft as summarized on Table 2. The resulting depth to water in the piezometers was approximately 7 to 14 ft bgs, which indicates confined (or leaky confined) conditions within Outwash Unit. Field hydraulic conductivity tests will provide additional information on hydraulic properties of the Till and Outwash units. The hydraulic conductivity tests have been delayed until the remaining proposed piezometers are installed. The hydraulic conductivity of the bedrock is better understood considering the Upper Cambrian series sandstones yield sufficient volumes of groundwater, and therefore are the primary source of water for industrial and public-supply wells in Outagamie County (LeRoux, 1957). Regardless, hydraulic testing and additional groundwater level monitoring will occur in 2021 to further evaluate aquifer properties, groundwater flow directions and fluctuation of seasonal water table and piezometric levels.

3.3 Groundwater Conditions

The results of the chemical analyses conducted on 17 water samples collected from the following monitoring points are summarized in Appendix B-1:

Water Table Monitoring Wells		Outwash / Bedrock Interface Piezometers
MW-1	MW-8	PZ-MW1A
MW-3	MW-10	PZ-MW1B
MW-4	MW-11	PZ-MW1C
MW-5	MW-12	PZ-2
MW-6	MW-13	PZ-3
MW-7	MW-14	

Detections of VOCs were observed in the water table monitoring wells, but concentrations were low or not detected. Only four potential ES exceedances were observed in shallow monitoring wells, including detections at MW-1 (for TCE), MW-14 (for TCE), and MW-3 (for TCE and 1,1-DCE). In fact, six of the monitoring wells did not have any VOC detections, including MW-6, MW-7, MW-10, MW-11, MW-12, and MW-13.

Monitoring wells MW-4, MW-5, and PZ-2 each had only one PAL exceedance noted, which were all for TCE. TCE concentrations at MW-4 (1.6 ug/L), MW-5 (0.55 J ug/L), and PZ-2 (0.56 J) narrowly exceeded the PAL concentration of 0.5 ug/L. The TCE concentrations at MW-5 and PZ-2 are flagged as estimated concentrations.

Monitoring well MW-8 had concentrations for TCE (2 ug/L) and 1,1-Dichloroethene (1,1-DCE at 2.1 ug/L) that exceeded the PAL concentrations of 0.5 mg/L and 0.7 mg/L, respectively. As mentioned, monitoring wells MW-1 (6.1 ug/L) and MW-14 (5.4 ug/L) each had exceedances of the ES for TCE,

which is 5 ug/L. Monitoring well MW-3 (5.5 ug/L) also had a detection that narrowly above the ES standard for TCE (5 ug/L), but also observed a detection of 1,1-Dichloroethane (1,1-DCA) at 8.9 ug/L that exceeded the ES standard of 7 ug/L.

The VOC concentrations within the Outwash deposits were found to be slightly higher than the shallow monitoring wells. However, this direct comparison is biased since three of the piezometers (PZ-MW1A, PZ-MW1B, and PZ-MW1C) are completed at the source area and not at down-gradient or side-gradient positions which all of the shallow wells, with the exception of MW-1, are positioned within the Till unit. As summarized on Table 4, PAL exceedances were observed for 1,1-DCA (at PZ-MW1A and PZ-MW1B), cis-1,2-dichloroethene [cis-1,2-DCE] (at PZ-MW1A, PZ-MW1B, PZ-MW1C, and PZ-3), and 1,2-dichloroethane [1,2-DCA] (at PZ-MW1B), respectively. Exceedances of ES levels were observed for 1,1-DCE (at PZ-MW1A, PZ-MW1B, PZ-MW1C, and PZ-3), TCE (at PZ-MW1A, PZ-MW1B, PZ-MW1C, and PZ-3), cis-1,2-DCE (at PZ-MW1A, PZ-MW1B, and PZ-MW1C), as well as 1,1-DCA (at PZ-MW1C and PZ-3) and 1,2-DCA at PZ-MW1C.

The November 2020 subsurface investigation results indicate the deepest piezometer at the source area (PZ-MW1C) had the highest TCE concentration (48.9 ug/L), but also had the highest concentration for the daughter products of 1,1-DCE (146 ug/L) and vinyl chloride (7.9 ug/L). PZ-MW1C also had the highest number of VOC detections (seven; along with PZ-MW1B) and ES exceedances (5). Groundwater sampling results from both the water table monitoring wells and Outwash unit piezometers are presented on Figure 7.

Detected concentrations within the shallow monitoring wells and piezometers were nearly always less than the detections formerly reported at the facility (AECOM, 2016). A snapshot of some of the detections is summarized below.

Analyte (Concentrations in ug/L)	NR140 ES	NR140 PAL	Monitoring Location	2016 Results		2020 Results	
Trichloroethene	5	0.5	MW-1	6.7	>PAL & >ES	6.1	>PAL & >ES
			MW-3	4.0	>PAL	5.5	>PAL & >ES
			MW-4	2.4	>PAL	1.6	>PAL
			MW-8	2.9	>PAL	2	>PAL
			MW-10	1.3	>PAL	<0.26	< PAL concentration
1,1-Dichloroethane	850	85	PZ-3	1590	>PAL & >ES	1160	>PAL & >ES
1,1-Dichloroethene	7	0.7		45.9	>PAL & >ES	27.6	>PAL & >ES
cis-1,2-Dichloroethene	70	7		38.7	>PAL	42.5	>PAL
Trichloroethene	5	0.5		11.9	>PAL & >ES	10.8	>PAL & >ES
Vinyl chloride	0.2	0.02		3.9 J	>PAL & >ES	< 1.7	<PAL concentration

The only exception for TCE is the concentration at MW-3, which fluctuated slightly higher to a concentration of 5.5 ug/L. Note that the cis-1,2-DCE concentration at PZ-3 was observed to increase since 2016. However, since cis-1,2-DCE is a daughter product of TCE, its increase is seen as a positive indicator of natural attenuation processes. The remainder of the data indicated VOC concentrations are decreasing and offer further evidence of the natural attenuation processes occurring in the subsurface.

3.4 Soil Results

Soil samples were collected from four hand augers advanced within the western ditch of Douglas Street (HA-1, HA-2, HA-4) and near a drain discharge (HA-3) as illustrated on Figure 2. Samples were collected from depths between 3 and 4 ft bgs to aid in further delineation of PAH soil impacts along the ditch-line. The analyte list and soil sample locations were proposed based on sampling conducted in July 2016 (AECOM, 2016) for sump/roof drain cleanout work. Apparently, material collected in a subset of concrete enclosed roof drains and sumps, which were located both inside and outside of the former manufacturing building, indicated elevated PAH concentrations. Since at least some of the sumps appeared to ultimately discharge into the ditch running alongside Douglas Street, additional investigation of surface soils in the discharge area of the ditch was proposed. Collected samples were placed in proper laboratory containers and submitted to Pace in Green Bay, Wisconsin under chain-of-custody control in an ice filled cooler. Recovered samples were analyzed for PAHs using EPA Method 8270. Laboratory results are included in Appendix C and summarized on Table 5.

A review of Table 5 indicates that all of the PAH constituents were not detected above method detection levels at all three sample locations within the ditch (HA-1, HA-2, and HA-4). The only PAH detections were observed at HA-3, which was located in close proximity to the drain discharge previously identified as a potential migration pathway. However, the PAH concentrations observed at HA-3 are very low and below the most conservative WDNR Soil Residual Contaminant Levels (RCLs) as illustrated on Table 5.

Thus, based on the November 10, 2020 soil sampling results, any previous PAH detections in the ditch west of Douglas Street were very limited since no detections of PAH constituents were observed at HA-1, HA-2, and HA-3. Furthermore, PAH concentrations from samples next to the building's drain outfall (at HA-3) were also much lower than RCL concentrations (Table 6). Therefore, no further subsurface investigation is necessary to delineate soil impacts from historical site usage.

3.5 Well Abandonment

The 6-inch pipe, which was identified as the "east pipe" in a previous site investigation (AECOM, 2016), was found to extend to 20.5 ft bgs with water present at about 6.3 feet below grade. The suspected former test well protruded from the grass area just south of the north property line as illustrated on Figure 2. Previous investigations revealed that no VOC or PAH detections were observed from soil borings advanced in its vicinity during 2015 sampling activities.

Furthermore, an excavation around the test conducted in 2016 confirmed that the pipe was not associated with any subsurface structures, such as USTs, piping, etc. In addition, no soil staining or odors were noted. Combined with 2015 soil borings advanced adjacent to the pipe location, no identifiable adverse environmental impacts are associated with their presence or use. Since the steel casing was likely a historical "test well", the steel casing was abandoned on October 9, 2020 by Cascade Drilling, who provided a licensed water well driller following the requirements in NR 812.26. The east pipe was cut several feet below ground surface and disposed of. The well casing was then cement grouted and the excavation was backfilled. The well abandonment form is included in Appendix A5.

4.0 Discussion of Proposed Work Plan Completion

Several tasks from the Work Plan (2017a) and Work Plan Addendum (2017b) have not be completed so the new groundwater information provided in this report can be reviewed to improve decision making on future site investigation and management strategies. Specifically, the November 2020 subsurface investigation will be used to reevaluate the location and need for PZ-7 relative to achieving site closure. A discussion of the new subsurface data collected in 2020 and a new proposed location for PZ-7 is included in this report.

The most recent data indicate the highest concentrations are generally observed at the base of the Outwash unit (at the source area) and continue to result in ES exceedances for three constituents (1,1-DCE, TCE, and 1-1-DCA) at the furthest downgradient piezometer (PZ-3). As a result, proposed piezometer PZ-7 is still warranted to be installed off-site to evaluate the downgradient extents of the ES exceedances. However, to avoid further delays in the site investigation, it is proposed that PZ-7 be located in the public right-of-way of W. Main Street, which is also known as State Trunk Highway 15 (STH 15) as illustrated in Figure 8. This location is less than 300 feet from location previously proposed, but provides for a more-accessible location.

The bedrock elevation at the proposed PZ-7 location is estimated to be similar to what was observed onsite (Figure 4) - between 736 Ft MSL (PZ-3) and 759 Ft MSL (PZ-1). Assuming the ground surface is about 828 Ft MSL, PZ-7 is proposed to be advanced to the bedrock (approximately 75 to 95 ft bgs) and screened at the base of the glacial deposits and across the bedrock interface. These proposed screen interval elevations (between 735 and 755 Ft MSL) are similar to the elevations of the VOC ES Exceedances observed on-site. The same five-foot screened interval will be maintained.

A street-view illustration of the proposed location is provided in Figure 9, which indicates that several issues will need to be addressed including right-of-way access, avoidance of underground utilities, and vehicular protections during drilling. These issues are deemed to be less of a challenge than what obtaining access to the private Former Toy Company property have become. Thus, it is requested that the revised location of PZ-7 be approved so the remainder of the outstanding scope of work, which is summarized below, can be completed:

- Installation of the PZ-7, and the three remaining proposed piezometers for the subject property (including, PZ-4, PZ-5 and PZ-6), and
- Completion of the hydraulic conductivity testing of the monitoring wells and piezometers

No further changes to the outstanding Work Plan tasks are proposed, with the possible minor exception of the location of PZ-6. The current owner/operator continually utilize semi-trailers at their loading docks. Thus, to avoid disrupting on-going site activities and problems with future access, it is proposed that PZ-6 be shifted to the northeastern corner of the main building – approximately 65 feet north-northeast of its proposed location, as illustrated on Figure 8.

5.0 Summary

Results of the October/November 2020 site investigation indicate that the dissolved VOC impacts in the shallow water table Till unit west of the former manufacturing building is delineated (around wells MW-1, MW-3, and MW-14), and continue to indicate stable and slightly decreasing concentrations. Sampling of the Outwash unit piezometers (PZ-2, PZ-3, and source area piezometers PZ-MW1A, PZ-MW1B, and PZ-MW1C) revealed PAL and ES exceedances in groundwater for TCE, vinyl chloride, and other associated TCE breakdown byproducts (i.e., 1,1-DCE, 1,1-DCA, and 1,2-DCA). The highest concentrations were observed at the source area located south/southwest of the main building and immediately northwest the out-building located along the south property line (Figure 7). Further delineation of TCE and associated byproducts in the deep unconsolidated aquifer is required.

Hand-augered soil borings advanced within and near to the western ditch of Douglas St. indicate no other adverse environmental impacts to soil from operation of the former manufacturing facility. The basis for the Douglas St. ditch soil sampling were from PAH detections in sediment traps located adjacent to the building. Several PAH compounds were detected near the storm water discharge location (at HA-3), but were observed at very low concentrations – well below applicable RCLs. Furthermore, hand augers advanced within the ditch did not observe detections of any PAH compounds. Thus, no further investigations of the soils are warranted for the site.

Finally, a 6-diameter well casing that was originally identified along the north property line was abandoned. No visual or olfactory evidence of impacts were noted during excavation and no other structures or laterals were encountered. Therefore, no further investigation is warranted.

6.0 Qualifications

Conclusions presented in this report are based on our professional interpretation of information collected during this investigation and review of available information related to activities and data collected by previous environmental consultants. Our conclusions are limited by the accuracy and completeness of the information provided by others. Therefore, if additional information is disclosed or an alteration of the information occurs, the conclusions presented in this report may need to be revised. Conclusions and recommendations are based on conditions as revealed in soil borings completed at the time of assessment activities. Stratification lines shown on the soil boring logs represent approximate boundaries between soil types. Variations in soil types and subsurface conditions may exist both in horizontal and vertical directions away from the soil borings. Additionally, seasonal and annual fluctuation of the groundwater table may influence the distribution of hazardous substances causing variation in groundwater quality.

AECOM has prepared this report on behalf of FV Steel and Wire Company. AECOM assumes responsibility for the accuracy of the contents of this report subject to what is stated elsewhere in this section, but recommends that this report be used only for the purposes intended at the time this report was prepared. The report may be unsuitable for other uses and reliance on its contents by any other party is done at the sole risk of the user.

7.0 References

AECOM, 2016. Initial Site Investigation Report, for the FV Steel and Wire Company site located at 111 North Douglas Street, Hortonville, Wisconsin dated July 29, 2016. AECOM Project No. 60139760.

AECOM, 2017a. Addendum to the Work Plan for Additional Site Investigation dated March 1, 2017, Fox Valley Steel and Wire Site, 111 North Douglas Street, Hortonville, Wisconsin.

AECOM, 2017b. Addendum to the Work Plan for Additional Site Investigation dated July 17, 2017, Fox Valley Steel and Wire Site, 111 North Douglas Street, Hortonville, Wisconsin.

Clayton Group Service, Phase I Environmental Site Assessment dated May 25, 2005, Fox Valley Steel and Wire Facility, 111 North Douglas Street, Hortonville, Wisconsin.

LeRoux, E.F., 1957. Geology and ground-water resources of Outagamie County, Wisconsin. Water Supply Paper. U.S. Geological Survey.

United Engineering Consultants (UEC), Phase II Environmental Site Investigation Report, Fox Valley Steel & Wire Company, 111 N. Douglas Street, Hortonville, Wisconsin, July 18, 2013.

Tables

Table 1
Summary of Groundwater Levels
Former FV Steel & Wire Site, Hortonville, Wisconsin

Well / Piezometer	Date:		10-Mar-16		16-Nov-20		Monitored Unit
	Ground Surface Elevation	Top of PVC Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	
	(Ft NAVD88)	(Ft NAVD88)	(Ft)	(Ft NAVD88)	(Ft)	(Ft NAVD88)	
MW-1	814.4	813.88	4.72	809.16	4.70	809.18	Quaternary Till [undifferentiated] / Water table
MW-2	814.0	813.58	n/a	--	n/a	---	Quaternary Till [undifferentiated] / Water table
MW-3	812.8	812.19	5.34	806.85	6.65	805.54	Quaternary Till [undifferentiated] / Water table
MW-4	809.2	808.51	3.33	805.18	3.25	805.26	Quaternary Till [undifferentiated] / Water table
MW-5	811.8	811.2	3.51	807.69	4.30	806.9	Quaternary Till [undifferentiated] / Water table
MW-6	809.5	808.87	n/a	--	3.05	805.82	Quaternary Till [undifferentiated] / Water table
MW-7	810.4	809.88	3.05	806.83	3.25	806.63	Quaternary Till [undifferentiated] / Water table
MW-8	810.3	809.87	3.29	806.58	4.50	805.37	Quaternary Till [undifferentiated] / Water table
MW-9	808.8	808.12	2.53	805.59	n/a	---	Quaternary Till [undifferentiated] / Water table
MW-10	808.6	807.93	2.18	805.75	3.00	804.93	Quaternary Till [undifferentiated] / Water table
MW-11	805.6	808.47	4.29	804.18	4.45	804.02	Quaternary Till [undifferentiated] / Water table
MW-12	814.0	817.09	7.44	809.65	7.40	809.69	Quaternary Till [undifferentiated] / Water table
MW-13	805.5	808.53	3.64	804.89	4.50	804.03	Quaternary Till [undifferentiated] / Water table
MW-14	815.0	814.40	NI	NI	4.10	810.30	Quaternary Till [undifferentiated] / Water table
PZ-1	810.6	810.19	9.21	800.98	n/a	---	Quaternary Outwash (Inferred bedrock/basal sand interface)
PZ-2	809.9	808.62	7.55	801.07	8.25	800.37	Quaternary Outwash (Inferred bedrock/basal sand interface)
PZ-3	814.9	814.69	13.78	800.91	15.10	799.59	Quaternary Outwash (Inferred bedrock/basal sand interface)
PZ-MW1A	814.6	813.97	NI	NI	11.05	802.92	Quaternary Outwash [undifferentiated]
PZ-MW1B	814.5	814.09	NI	NI	12.40	801.69	Quaternary Outwash [undifferentiated]
PZ-MW1C	814.7	814.25	NI	NI	14.28	799.97	Quaternary Outwash (Inferred bedrock/basal sand interface)

Notes:

March 2016 groundwater levels from AECOM (2016) included for reference.

Depth to water are measured from top of PVC riser pipe.

Elevations are referenced to NAVD88

n/a = Well / Piezometer could not be located

NI = Well / Piezometer not installed at time of measurement

Table 2
Horizontal Hydraulic Gradient Calculations
Former FV Steel & Wire Site, Hortonville, Wisconsin

Description	Monitoring Well Pair	Horizontal Distance between Wells	Static Water Level (11/16/20)	Head Difference	Horizontal Gradient	
		(feet)	(Ft MSL)	(Ft)	(Ft/Ft)	
Horizontal Gradient at Water Table	MW-14	260	810.30	5.37	0.021	Average Gradient at Water Table:
	MW-10		804.93			
	MW-5 MW-4	122	806.90 805.37	1.53	0.013	0.017
Horizontal Gradient at Base of Drift Unit	PZ-2 PZ-MW1C	240	800.37 799.97	0.4	0.00167	

Notes:

- 1.) Elevations are referenced to NAVD88

Table 3
Vertical Hydraulic Gradient Calculations
Former FV Steel & Wire Site, Hortonville, Wisconsin

Description	Well / Piezometer Pair	Static Water Level (11/16/20)	Head Difference	Top Slot Screen Elev.	Bottom Slot Screen Elev.	Midpoint Screen	Difference in Water Table to Screen Midpoint Elevations	Vertical Gradient
		(Ft MSL)	(Ft)	(Ft MSL)	(Ft MSL)	(Ft MSL)	(Ft)	(Ft/Ft)
Vertical Gradient Across Till Unit	MW-1	809.18	6.26	Use water table elevation		809.18	36.58	0.17
	PZ-MW1A	802.92		775.1	770.1	772.6		
	MW-1	809.18	7.49	Use water table elevation		809.18	50.68	0.15
	PZ-MW1B	801.69		761.0	756.0	758.5		
	MW-1	809.18	9.21	Use water table elevation		809.18	71.98	0.13
PZ-MW1C	799.97	739.7		734.7	737.2			
MW-10	804.93	4.56	Use water table elevation		804.93	69.53	0.07	
PZ-2	800.37		737.9	732.9	735.4			
MW-14	810.30	10.71	Use water table elevation		810.30	71.9	0.15	
PZ-3	799.59		741.9	734.9	738.4			
Vertical Gradient through Drift Unit	PZ-MW1A	802.92	1.23	775.1	770.1	772.6	14.1	0.09
	PZ-MW1B	801.69		761.0	756.0	758.5		
	PZ-MW1A	802.92	2.95	775.1	770.1	772.6	35.4	0.08
	PZ-MW1C	799.97		739.7	734.7	737.2		
	PZ-MW1B	801.69	1.72	761.0	756.0	758.5	21.3	0.08
	PZ-MW1C	799.97		739.7	734.7	737.2		

Notes:

- 1.) A positive vertical gradient indicates a downward gradient; Negative gradient indicates upward flow.
- 2.) Elevations are referenced to NAVD88

Table 4
Summary of Groundwater Analytical Results
 Preventative Action Level (PAL) and Enforcement Standard (ES) Exceedances in Groundwater

Preventative Action Level (PAL) Exceedances - Groundwater
 November 2020 Sampling Results

Analyte (ug/L)	NR-140 PAL	Till (Shallow) Unit			Outwash Unit				
		MW-4	MW-5	MW-8	PZ-MW1A	PZ-MW1B	PZ-MW1C	PZ-2	PZ-3
Trichloroethene	0.5	1.6	0.55J	2	X	X	X	0.56 J	X
1,1-Dichloroethene	0.7	X	X	2.1	X	X	X	X	X
1,1-Dichloroethane	85	X	X	X	206	506	X	X	X
cis-1,2-Dichloroethene	7	X	X	X	19.9	34.6	20	X	42.5
1,2-Dichloroethane	0.5	X	X	X	X	0.82 J	X	X	X

Enforcement Standard Exceedances (ES) - Groundwater
 November 2020 Sampling Results

Analyte (ug/L)	NR-140 ES	Till (Shallow) Unit			Outwash Unit			
		MW-1	MW-3	MW-14	PZ-MW1A	PZ-MW1B	PZ-MW1C	PZ-3
1,1-Dichloroethene	7	X	8.9	X	21.7	13.2	146	27.6
Trichloroethene	5	6.1	5.5	5.4	5.9	39.8	48.9	10.8
Vinyl chloride	0.2	X	X	X	0.70J	1.5	7.9	X
1,1-Dichloroethane	850	X	X	X	X	X	3210	1160
1,2-Dichloroethane	5	X	X	X	X	X	10.1	X

Note:

Wisconsin Administrative Code (WAC) - Chapter NR 140 enforcement standards (ES) and preventive action limits (PALs)

Table 5
Summary of Hand Auger Soil Sampling Results
Former FVSW Property - Hortonville, WI

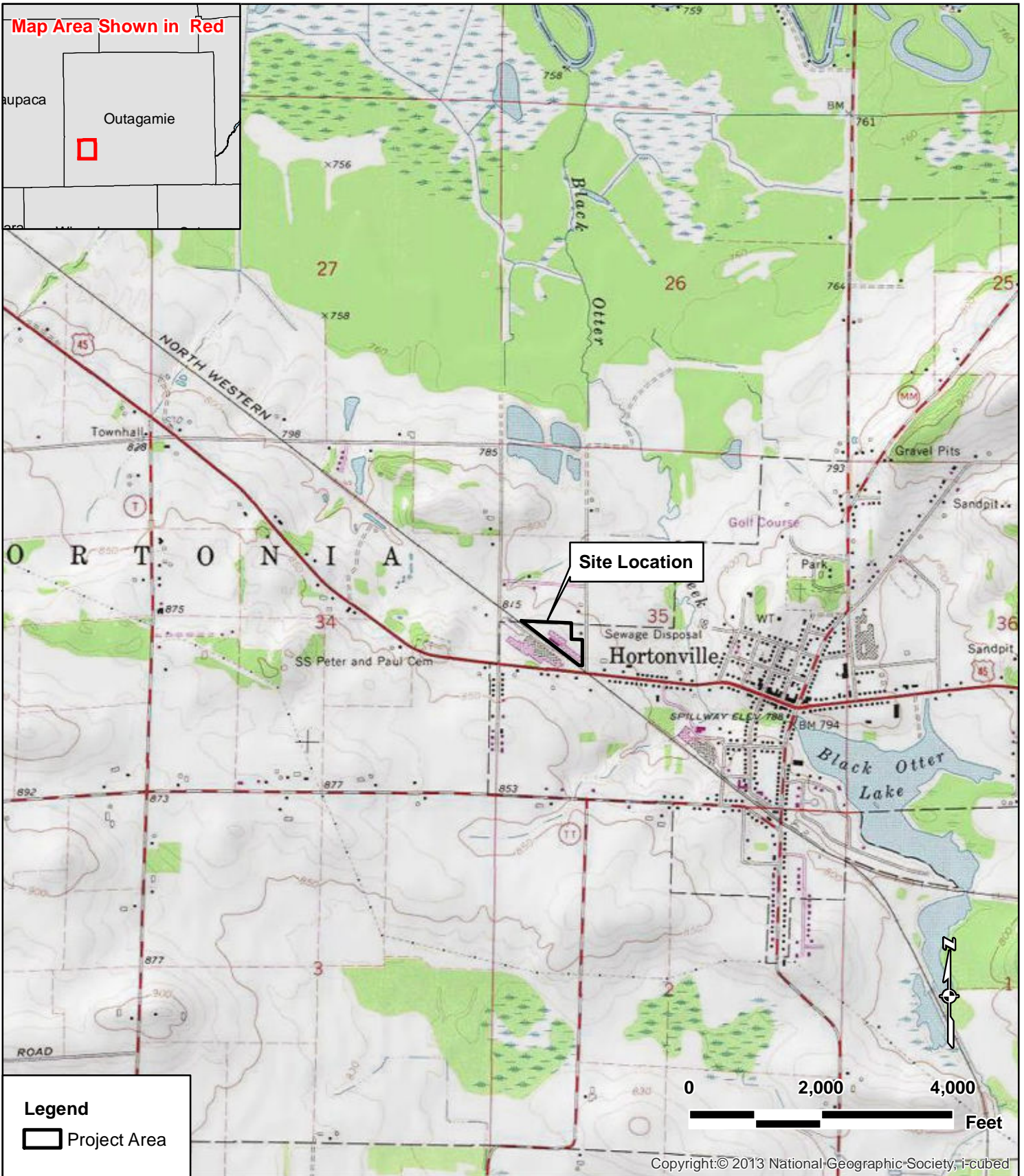
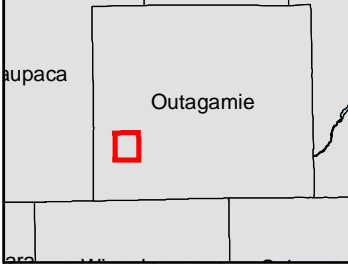
Parameters	Generic RCLs				HA-1	HA-2	HA-3	HA-4	
	Direct Contact		Soil to groundwater (mg/kg)	Groundwater Pathway (mg/kg) DF=1	Background	(2 to 4')	(2 to 4')	(2 to 4')	(2 to 4')
	Non-Industrial (mg/kg)	Industrial (mg/kg)				mg/kg	mg/kg	mg/kg	mg/kg
PAHs									
Acenaphthene	3590	45200		--	--	< 0.0026	< 0.0024	< 0.0024	< 0.0032
Acenaphthylene	--	--		--	--	< 0.0025	< 0.0024	< 0.0024	< 0.0031
Anthracene	17900	100000		98.4746	--	< 0.0025	< 0.0023	< 0.0023	< 0.0031
Benzo(a)anthracene	1.14	20.8		--	--	< 0.0026	< 0.0024	0.0116 J	< 0.0032
Benzo(a)pyrene	0.115	2.11	470	0.235	--	< 0.0023	< 0.0021	0.0155 J	< 0.0028
Benzo(b)fluoranthene	1.15	21.1	480	0.239	--	< 0.0028	< 0.0026	0.0239	< 0.0035
Benzo(g,h,i)perylene	--	--		--	--	< 0.0035	< 0.0033	0.0128 J	< 0.0044
Benzo(k)fluoranthene	11.5	211		--	--	< 0.0026	< 0.0024	0.0113 J	< 0.0032
Chrysene	115	2110	145	0.0721	--	< 0.0038	< 0.0036	0.021	< 0.0047
Dibenz(a,h)anthracene	0.115	2.11		--	--	< 0.0028	< 0.0026	0.0029 J	< 0.0035
Fluoranthene	2390	30100		44.4389	--	< 0.0024	< 0.0022	0.0403	< 0.003
Fluorene	2390	30100	14815	7.415	--	< 0.0024	< 0.0023	< 0.0022	< 0.003
Indeno(1,2,3-cd)pyrene	1.15	21.1		--	--	< 0.0042	< 0.0039	0.0106 J	< 0.0052
1-Methylnaphthalene	17.6	72.7	658	--	--	< 0.0029	< 0.0028	< 0.0027	< 0.0036
2-Methylnaphthalene	239	3010		--	--	< 0.0029	< 0.0028	< 0.0027	< 0.0037
Naphthalene	5.52	24.1	54473	0.3291	--	< 0.002	0.003 J	0.0019 J	< 0.0024
Phenanthrene	--	--		--	--	< 0.0023	< 0.0022	0.0257	< 0.0029
Pyrene	1790	22,600		27.2727	--	< 0.003	< 0.0028	0.0285	< 0.0037

Note:

Residual contaminant levels (RCLs) in accordance with ch. NR 720, Wis. Adm. Code soil cleanup standards.

Figures

Map Area Shown in Red



Legend

 Project Area

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SITE LOCATION

**FV Steel and Wire Company
111 N. Douglas Street, Hortonville, WI**

2985 South Ridge Road Suite B
Green Bay, WI 54304
www.aecom.com

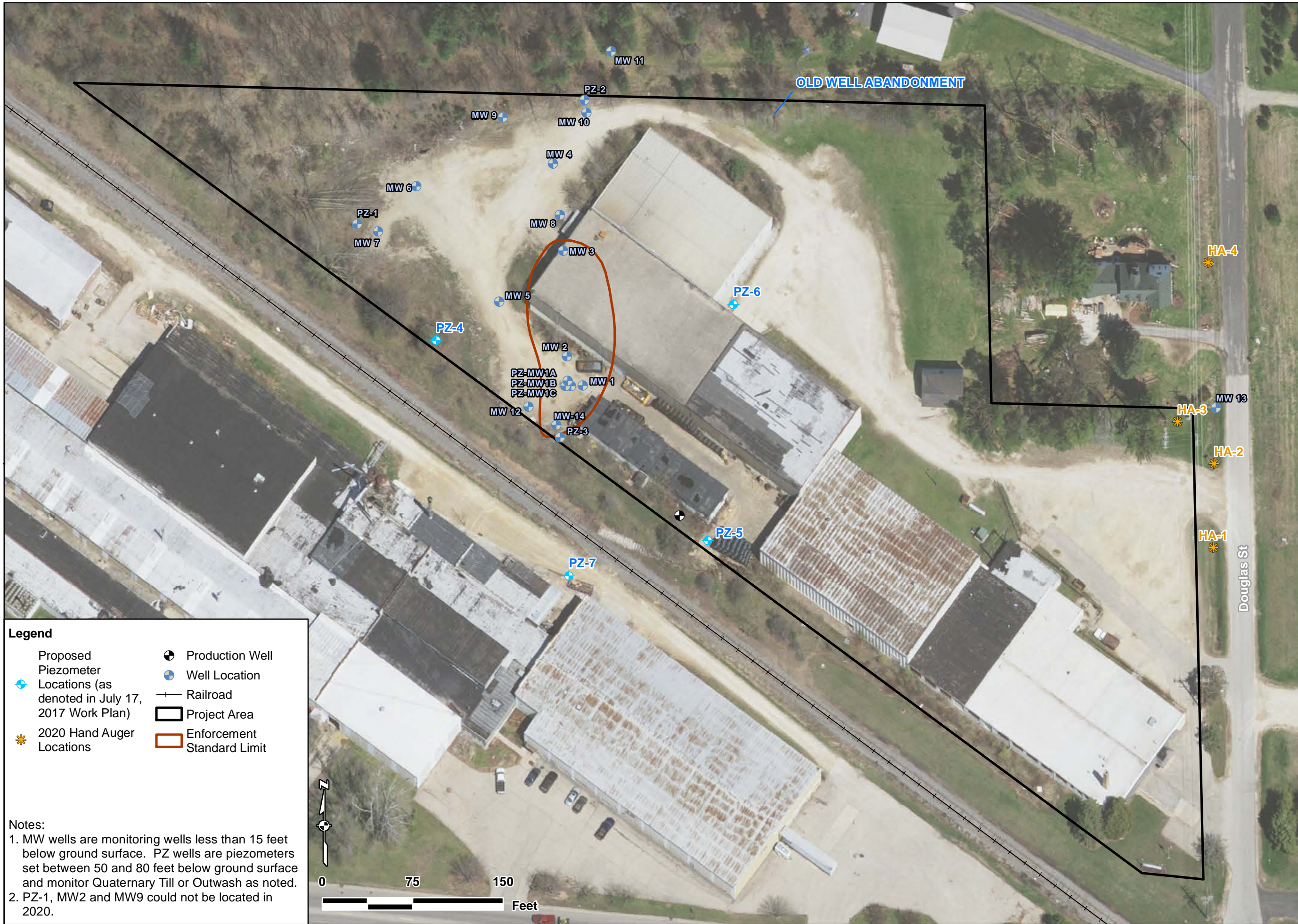
Drawn: K. UNKE 8/18/2016

Approved: R. MOTT 8/18/2016

Scale: AS SHOWN

PROJECT NUMBER 60301459

FIGURE NUMBER 1



SITE INVESTIGATION MAP
(as of NOVEMBER 2020)
FV Steel and Wire Company
111 N. Douglas Street, Hortonville, WI

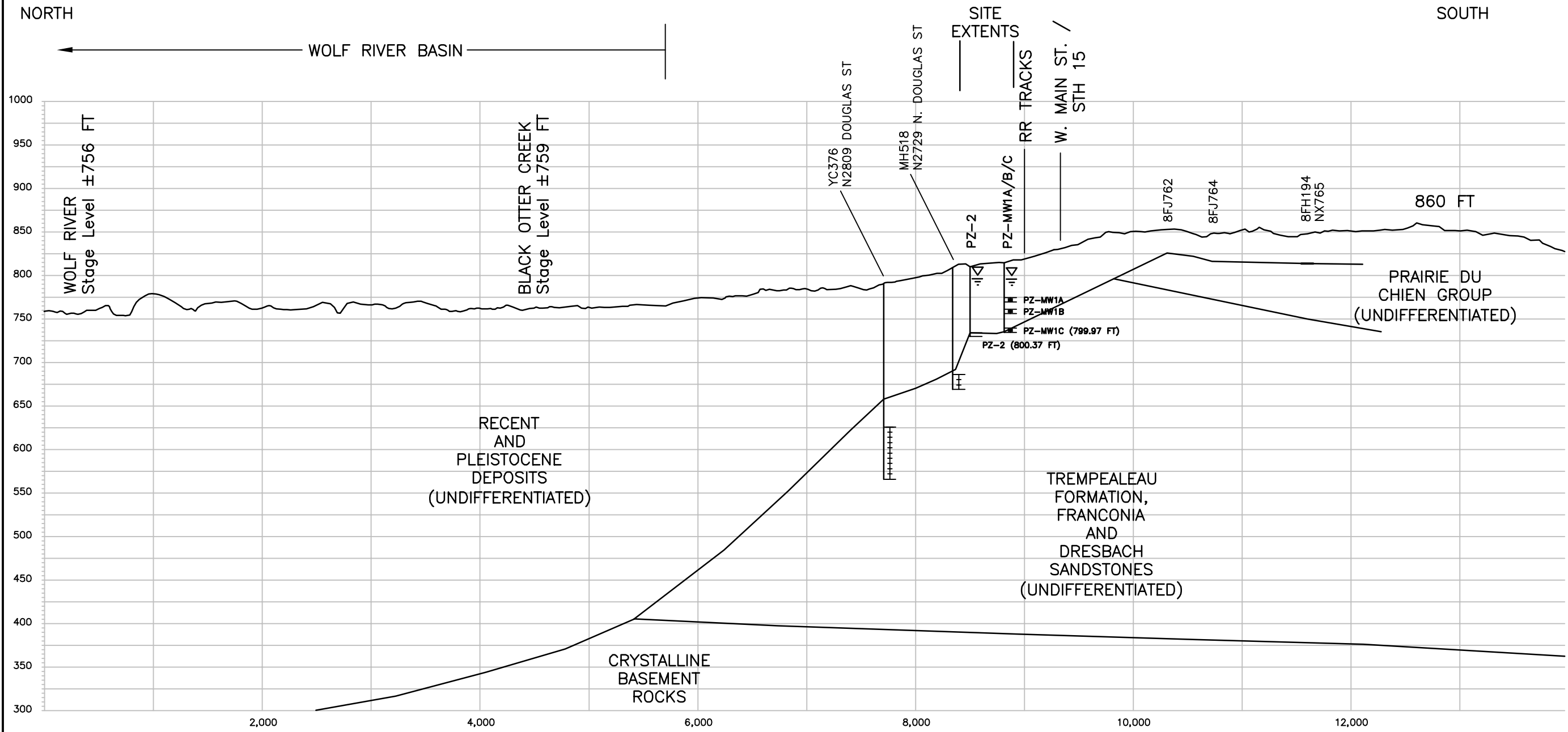
- Legend**
- ◆ Proposed Piezometer Locations (as denoted in July 17, 2017 Work Plan)
 - ★ 2020 Hand Auger Locations
 - Production Well
 - ⊕ Well Location
 - Railroad
 - ▭ Project Area
 - Enforcement Standard Limit

Notes:

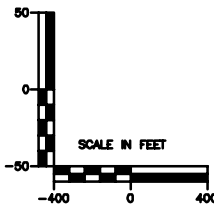
- MW wells are monitoring wells less than 15 feet below ground surface. PZ wells are piezometers set between 50 and 80 feet below ground surface and monitor Quaternary Till or Outwash as noted.
- PZ-1, MW2 and MW9 could not be located in 2020.



Approved:	G. BRAUN
DATE:	2/11/2021
Scale:	AS SHOWN
PROJECT NUMBER	60428891
FIGURE NUMBER	2



C:\Directory\Projects\Active\WV_Steel & Wire\FWS N-S Xsec.dwg; 3/2/2021 3:03:50 PM; BRAUN, GARY; STS_BLACK_040102.ctb



CROSS-SECTION LOCATION MAP (NOT TO SCALE)



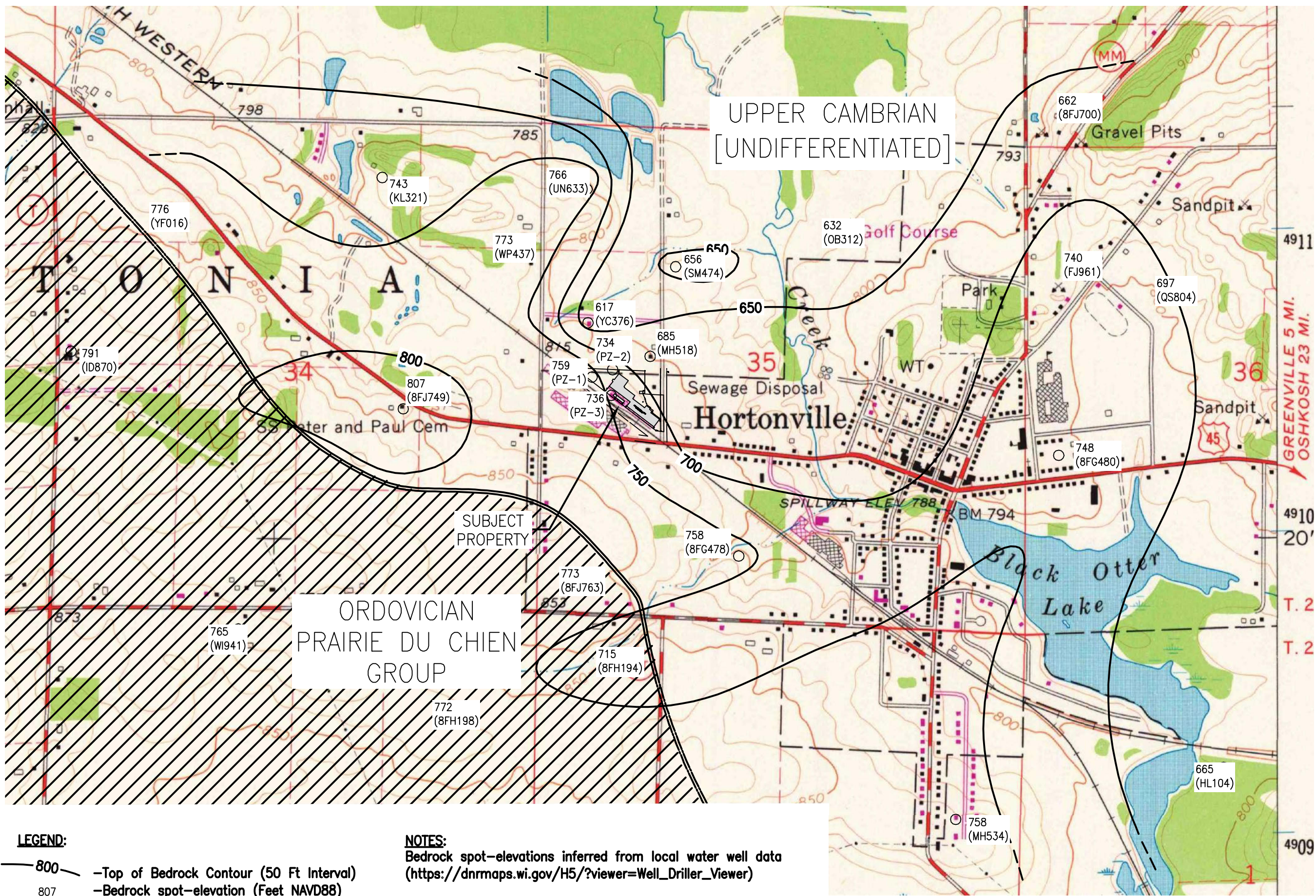
REGIONAL GEOLOGIC CROSS-SECTION (North - South)

Former FV Steel & Wire Company
111 N. Douglas Street
Hortonville, Wisconsin

Drawn:	GB	02/18/2021
Checked:	AM	02/18/2021
Approved:	AM	02/18/2021

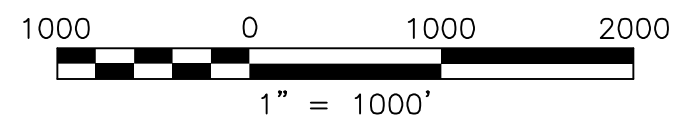
PROJECT NUMBER 60428891

FIGURE NUMBER 3



- LEGEND:**
- 800 -Top of Bedrock Contour (50 Ft Interval)
 - 807 (8FJ749) -Bedrock spot-elevation (Feet NAVD88)
 - Borehole Identification (Local water well OR on-site ID)

NOTES:
Bedrock spot-elevations inferred from local water well data (https://dnrmaps.wi.gov/H5/?viewer=Well_Driller_Viewer)
Bedrock Mapping from:
Brown, Bruce A., 2005. Preliminary Bedrock Geologic Map of OutagamieCounty,WI. Open-File Report 2005-02



STRUCTURAL CONTOUR MAP - TOP OF BEDROCK SURFACE

FV Steel & Wire Company
111 N. Douglas Street
Hortonville, Wisconsin

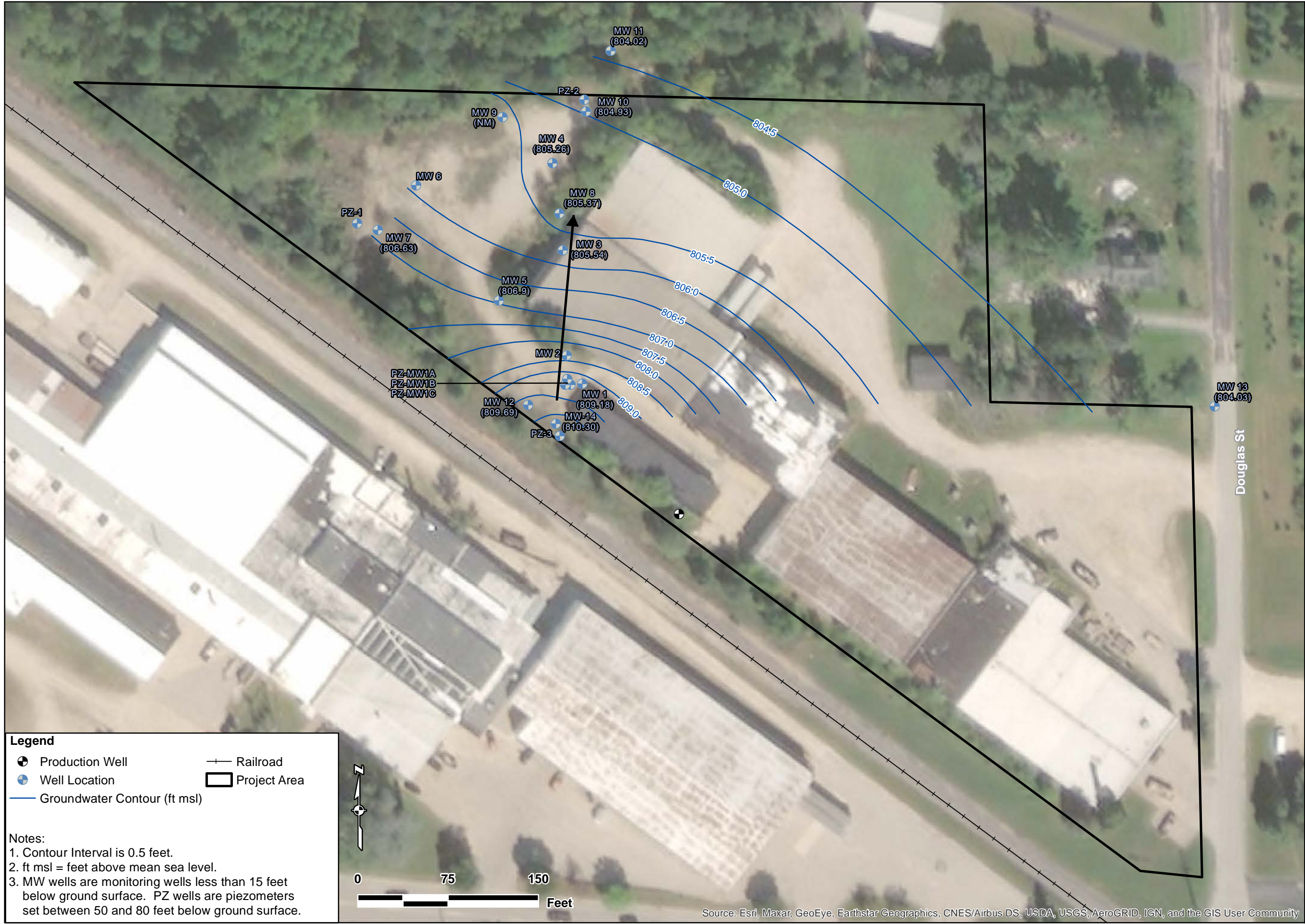
Drawn :	RW	02/20/2021
Checked:	GB	02/20/2021
Approved:	GB	02/20/2021

PROJECT NUMBER 60428891

FIGURE NUMBER 4

c:\Directory\Projects\Active\WI_FV Steel & Wire\Background\SiteMap\Top of Bedrock & Depth to BRK.dwg; 2/22/2021 11:17:57 PM; BRAUN, GARY; AECOM.ctb

GROUNDWATER TABLE MAP
(11/16/2020)
FV Steel and Wire Company
111 N. Douglas Street, Hortonville, WI



Legend

- Production Well
- Well Location
- Groundwater Contour (ft msl)
- Railroad
- Project Area

Notes:

1. Contour Interval is 0.5 feet.
2. ft msl = feet above mean sea level.
3. MW wells are monitoring wells less than 15 feet below ground surface. PZ wells are piezometers set between 50 and 80 feet below ground surface.

Approved:	G. BRAUN
Date:	2/11/2021
Scale:	AS SHOWN
PROJECT NUMBER	60301459
FIGURE NUMBER	5

PIEZOMETRIC SURFACE MAP
(11/16/2020)
FV Steel and Wire Company
111 N. Douglas Street, Hortonville, WI

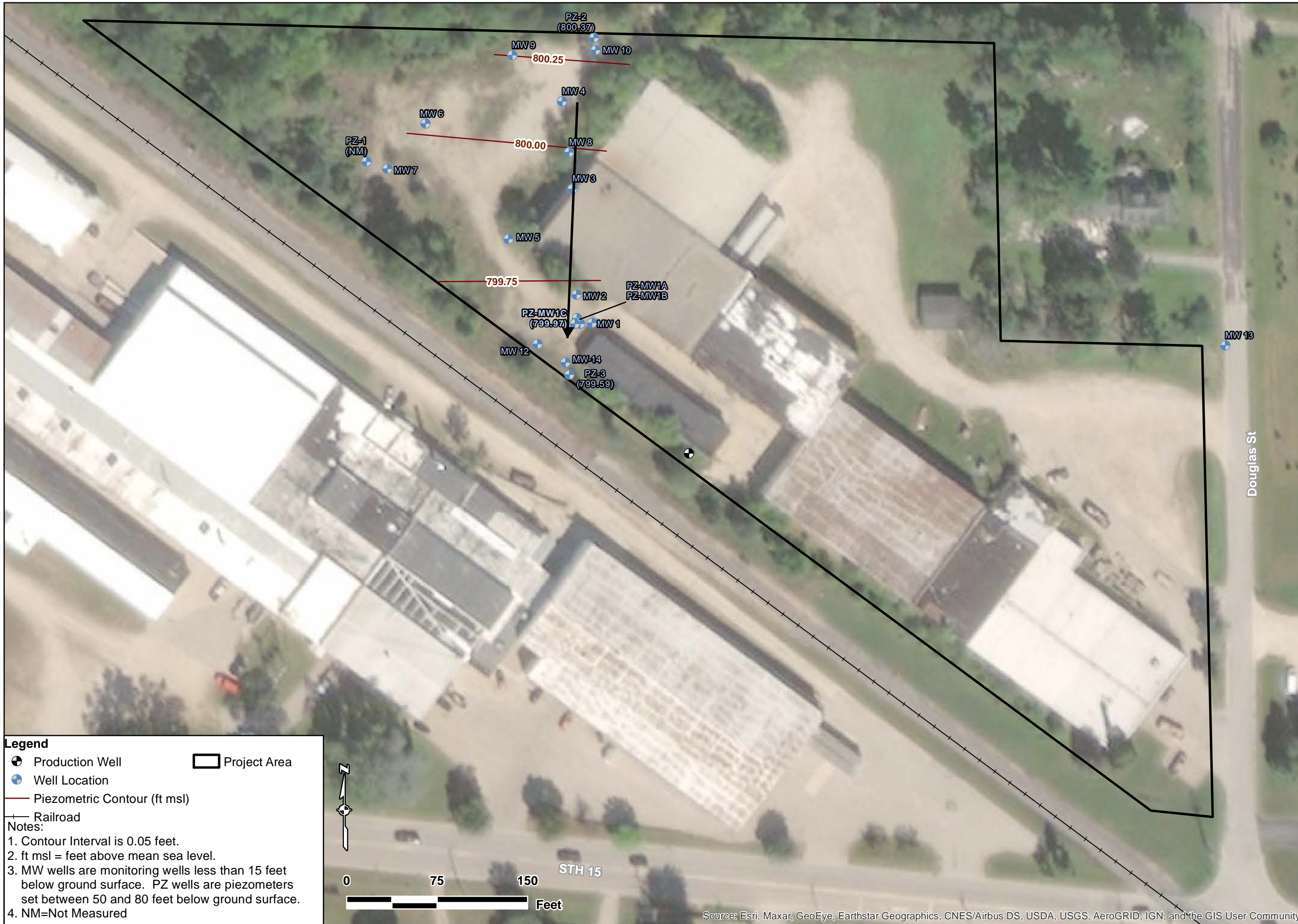
Approved: G. BRAUN

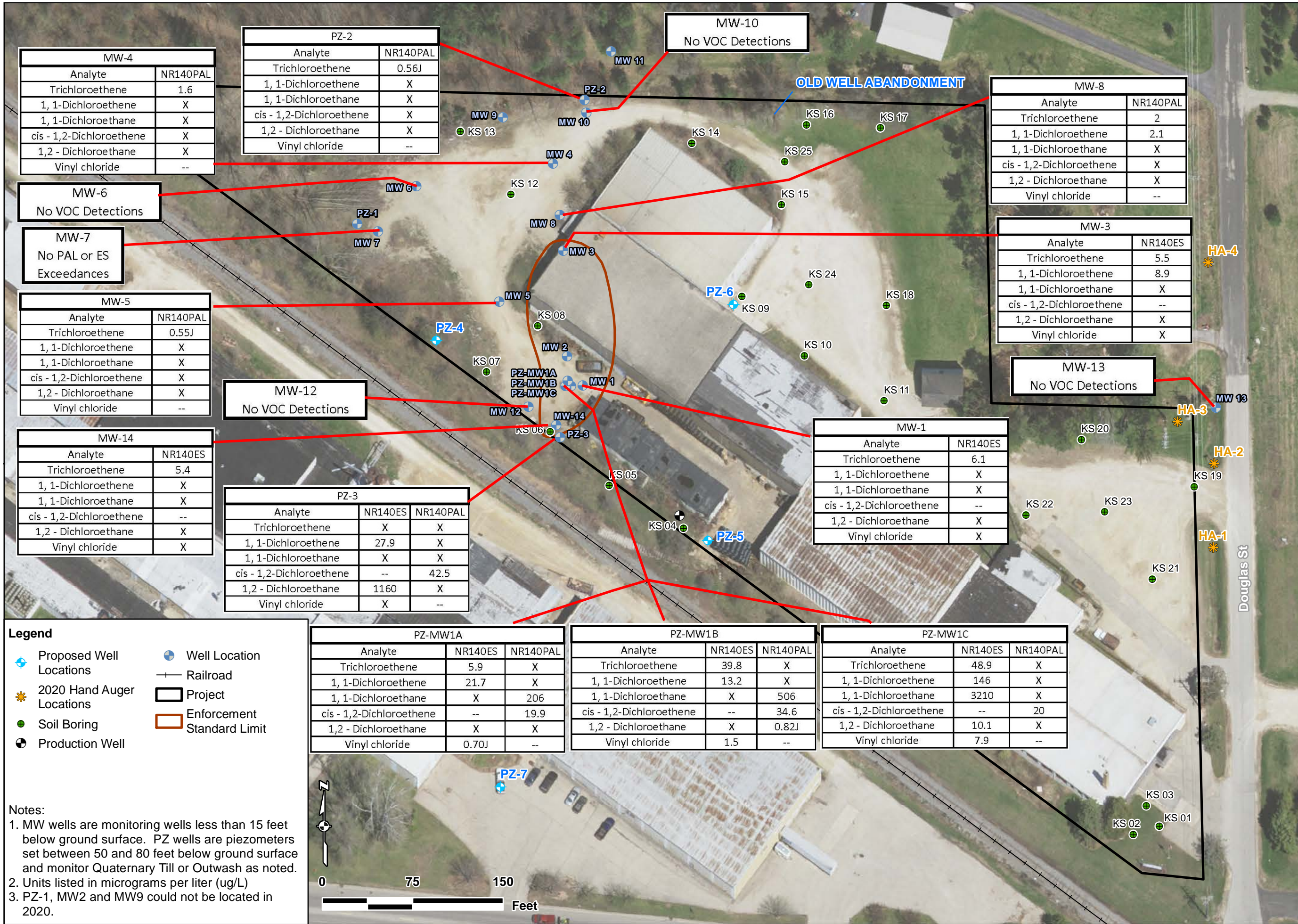
Date: 2/11/2021

Scale: AS SHOWN

PROJECT NUMBER 60301459

FIGURE NUMBER 6





MW-4	
Analyte	NR140PAL
Trichloroethene	1.6
1, 1-Dichloroethene	X
1, 1-Dichloroethane	X
cis - 1,2-Dichloroethene	X
1,2 - Dichloroethane	X
Vinyl chloride	--

PZ-2		NR140PAL
Analyte		
Trichloroethene		0.56J
1, 1-Dichloroethene		X
1, 1-Dichloroethane		X
cis - 1,2-Dichloroethene		X
1,2 - Dichloroethane		X
Vinyl chloride		--

MW-8	
Analyte	NR140PAL
Trichloroethene	2
1, 1-Dichloroethene	2.1
1, 1-Dichloroethane	X
cis - 1,2-Dichloroethene	X
1,2 - Dichloroethane	X
Vinyl chloride	--

MW-3	
Analyte	NR140ES
Trichloroethene	5.5
1, 1-Dichloroethene	8.9
1, 1-Dichloroethane	X
cis - 1,2-Dichloroethene	--
1,2 - Dichloroethane	X
Vinyl chloride	X

MW-6
No VOC Detections

MW-7
No PAL or ES
Exceedances

MW-5	
Analyte	NR140PAL
Trichloroethene	0.55J
1, 1-Dichloroethene	X
1, 1-Dichloroethane	X
cis - 1,2-Dichloroethene	X
1,2 - Dichloroethane	X
Vinyl chloride	--

MW-12
No VOC Detections

MW-14	
Analyte	NR140ES
Trichloroethene	5.4
1, 1-Dichloroethene	X
1, 1-Dichloroethane	X
cis - 1,2-Dichloroethene	--
1,2 - Dichloroethane	X
Vinyl chloride	X

PZ-3		
Analyte	NR140ES	NR140PAL
Trichloroethene	X	X
1, 1-Dichloroethene	27.9	X
1, 1-Dichloroethane	X	X
cis - 1,2-Dichloroethene	--	42.5
1,2 - Dichloroethane	1160	X
Vinyl chloride	X	--

MW-1	
Analyte	NR140ES
Trichloroethene	6.1
1, 1-Dichloroethene	X
1, 1-Dichloroethane	X
cis - 1,2-Dichloroethene	--
1,2 - Dichloroethane	X
Vinyl chloride	X

MW-13
No VOC Detections

Legend

- Proposed Well Locations
- Well Location
- 2020 Hand Auger Locations
- Soil Boring
- Production Well
- Railroad
- Project
- Enforcement Standard Limit

Notes:

- MW wells are monitoring wells less than 15 feet below ground surface. PZ wells are piezometers set between 50 and 80 feet below ground surface and monitor Quaternary Till or Outwash as noted.
- Units listed in micrograms per liter (ug/L)
- PZ-1, MW2 and MW9 could not be located in 2020.

PZ-MW1A		
Analyte	NR140ES	NR140PAL
Trichloroethene	5.9	X
1, 1-Dichloroethene	21.7	X
1, 1-Dichloroethane	X	206
cis - 1,2-Dichloroethene	--	19.9
1,2 - Dichloroethane	X	X
Vinyl chloride	0.70J	--

PZ-MW1B		
Analyte	NR140ES	NR140PAL
Trichloroethene	39.8	X
1, 1-Dichloroethene	13.2	X
1, 1-Dichloroethane	X	506
cis - 1,2-Dichloroethene	--	34.6
1,2 - Dichloroethane	X	0.82J
Vinyl chloride	1.5	--

PZ-MW1C		
Analyte	NR140ES	NR140PAL
Trichloroethene	48.9	X
1, 1-Dichloroethene	146	X
1, 1-Dichloroethane	3210	X
cis - 1,2-Dichloroethene	--	20
1,2 - Dichloroethane	10.1	X
Vinyl chloride	7.9	--



Approved: G. BRAUN

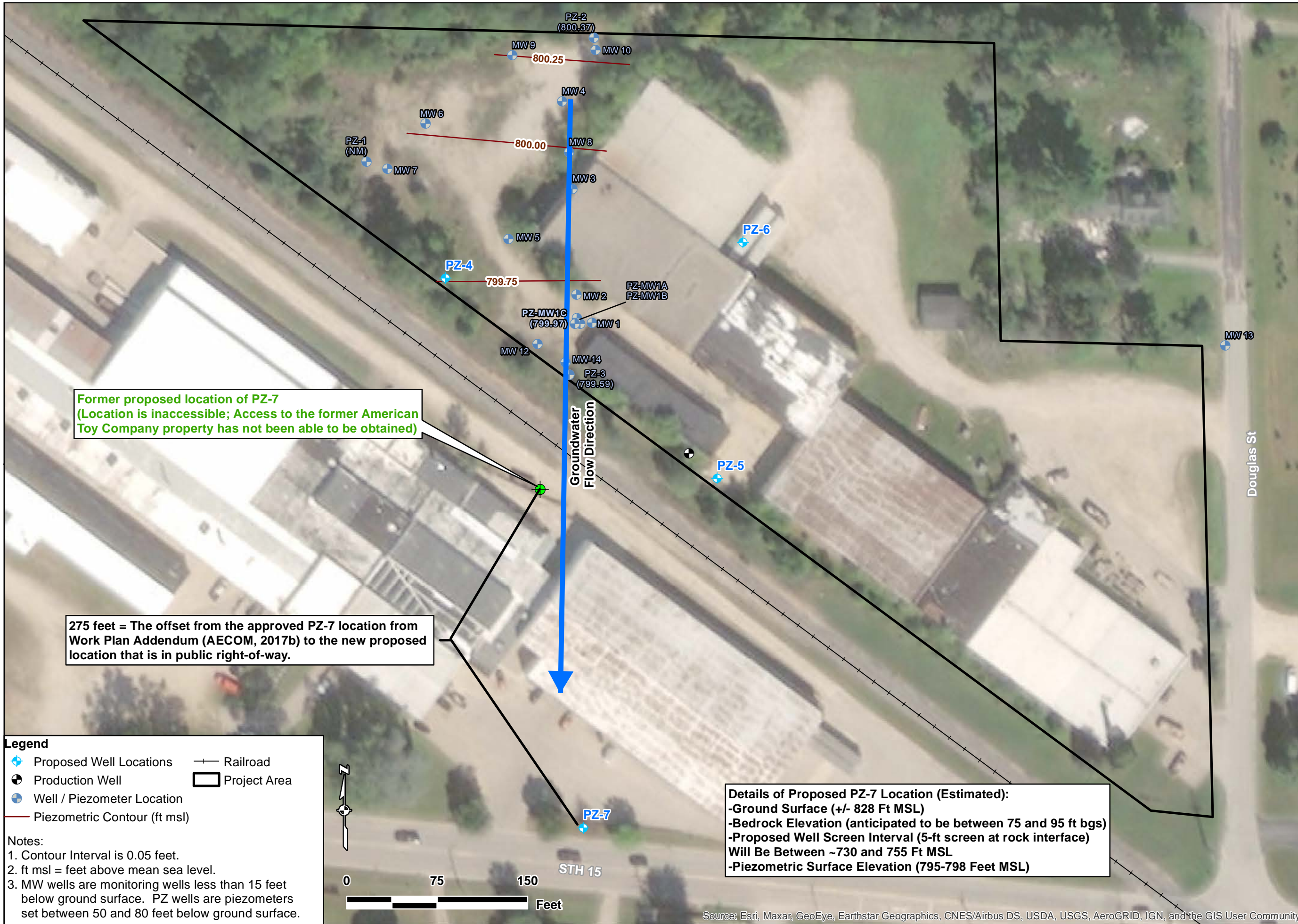
DATE: 1/21/2021

Scale: AS SHOWN

PROJECT NUMBER 60301459

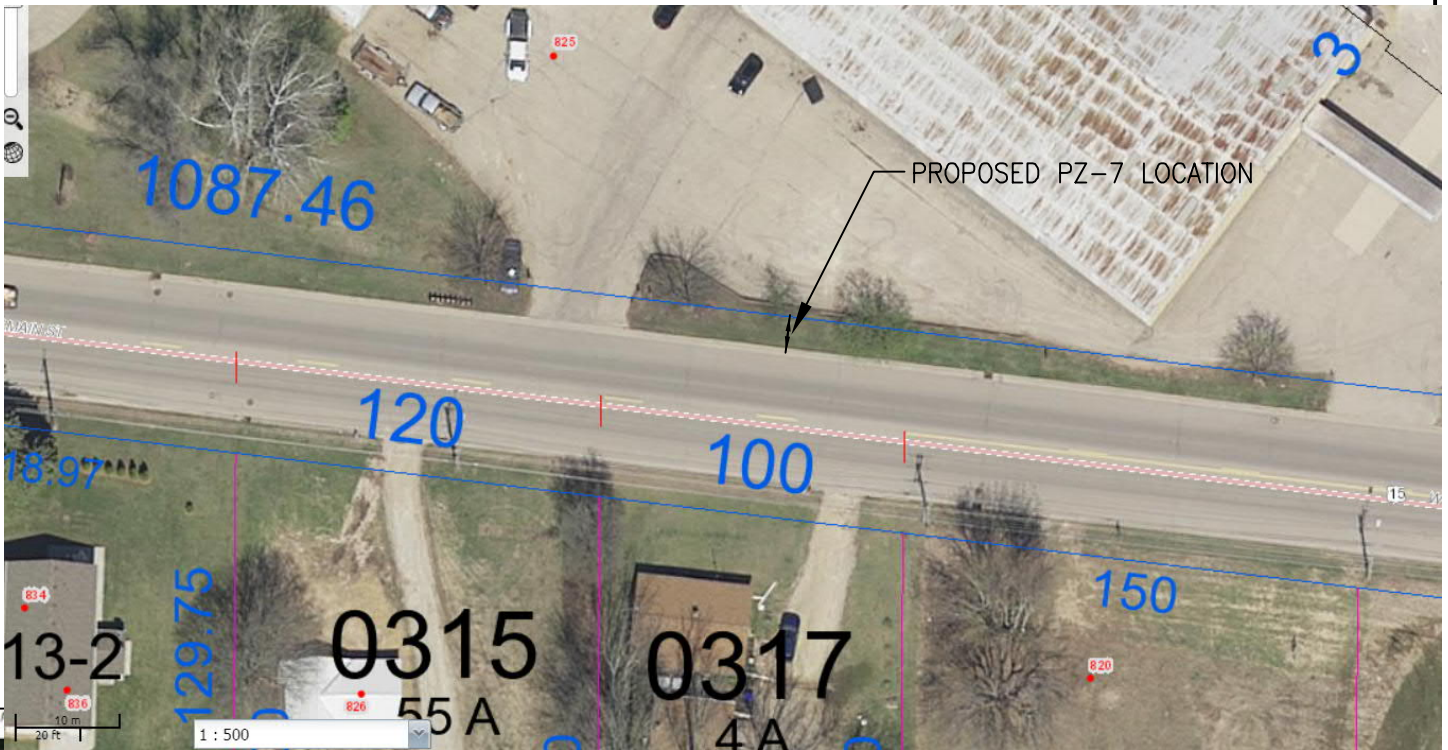
FIGURE NUMBER 7

PROPOSED PIEZOMETER LOCATIONS
FV Steel and Wire Company
111 N. Douglas Street, Hortonville, WI



Approved:	G. BRAUN
Date:	2/24/2021
Scale:	AS SHOWN
PROJECT NUMBER	60301459
FIGURE NUMBER	8

PLAT MAP



(Not to Scale – For illustration purposes only)



PROPOSED PZ-7 LOCATION
 (Plat Map & Street View)
 FV Steel and Wire Company
 111 N. Douglas Street, Hortonville, WI

Drawn :	RW	02/17/2021
Checked:	GB	02/17/2021
Approved:	GB	02/17/2021
PROJECT NUMBER	60428891	
FIGURE NUMBER	9	

Appendix A

Field Documentation Reports

- A1 Soil Boring Logs
- A2 Monitoring Well Construction Reports
- A3 Monitoring Well Development Forms
- A4 Waste Disposal Records
- A5 Well Abandonment Form

Appendix A1
Soil Boring Logs

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire Company			License/Permit/Monitoring Number		Boring Number MW-14	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Rodke Cascade			Date Drilling Started 10/9/2020	Date Drilling Completed 10/9/2020	Drilling Method Rotosonic	
WI Unique Well No. WC911	DNR Well ID No.	Common Well Name MW-14	Final Static Water Level 810.30 Feet MSL		Surface Elevation 815.0 Feet MSL	Borehole Diameter 6.00
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 22.00 N, 15.00 E S/C/N			Lat 44 ° 20 ' 18 "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 35, T 22 N, R 15 E			Long -88 ° 39 ' 7 "			
Facility ID 445031620		County Outagamie	County Code 45	Civil Town/City/ or Village Hortonville		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	204		2 4 6 8 10 12 14 16	Blind Drill to 17.0 ft. Integrated to be fill (0.0-5.0 ft.) and lean clay (5.0-17.0 ft.) based on boring log for PZ-MW1C										
				Borehole completion at 17.0 ft. below ground surface (bgs); Two-inch monitoring well installed 6.5 to 16.5 ft. bgs upon completion.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm AECOM	Tel: Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire Company			License/Permit/Monitoring Number		Boring Number PZ-MW1A	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Rodke Cascade			Date Drilling Started 10/8/2020	Date Drilling Completed 10/9/2020	Drilling Method Rotosonic	
WI Unique Well No. WC914	DNR Well ID No.	Common Well Name PZ-MW1A	Final Static Water Level 802.92 Feet MSL		Surface Elevation 814.6 Feet MSL	Borehole Diameter 6.00
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 22.00 N, 15.00 E S/C/N			Lat 44 ° 20 ' 15 "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 35, T 22 N, R 15 E			Long -88 ° 39 ' 10 "			
Facility ID 445031620		County Outagamie	County Code 45	Civil Town/City/ or Village Hortonville		

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	540 540	NA			Blind Drill to 45.0 ft. See Boring Log PZ-MW1C for Soil Descriptions (PZ-MW1A offset 5.0 ft. from PZ-MW1C)										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm **AECOM** Tel: _____ Fax: _____

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire Company			License/Permit/Monitoring Number		Boring Number PZ-MW1B	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Rodke Cascade			Date Drilling Started 10/8/2020	Date Drilling Completed 10/9/2020	Drilling Method Rotosonic	
WI Unique Well No. WC913	DNR Well ID No.	Common Well Name PZ-MW1B	Final Static Water Level 801.69 Feet MSL		Surface Elevation 814.5 Feet MSL	Borehole Diameter 6.00
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 22.00 N, 15.00 E S/C/N			Lat 44 ° 20 ' 15 "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 35, T 2 N, R 1 E			Long -88 ° 39 ' 10 "			
Facility ID 445031620		County Outagamie	County Code 45	Civil Town/City/ or Village Hortonville		

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
		726 726		2 4 6 8 10 12 14 16 18 20 22 24	Blind Drill to 60.5 ft. See Boring Log PZ-MW1C for Soil Descriptions										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm AECOM	Tel: Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire Company			License/Permit/Monitoring Number		Boring Number PZ-MW1C	
Boring Drilled By: Name of crew chief (first, last) and Firm Randy Rodke Cascade			Date Drilling Started 10/7/2020	Date Drilling Completed 10/8/2020	Drilling Method Rotosonic	
WI Unique Well No. WC912	DNR Well ID No.	Common Well Name PZ-MW1C	Final Static Water Level 799.97 Feet MSL		Surface Elevation 814.7 Feet MSL	Borehole Diameter 6.00
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane 22.00 N, 15.00 E S/C/N			Lat 44 ° 20 ' 18 "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 35, T 22 N, R 15 E			Long -88 ° 39 ' 7 "			
Facility ID 445031620		County Outagamie	County Code 45	Civil Town/City/ or Village Hortonville		









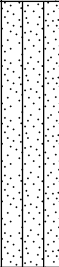

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	18 18			Fill: Gravel	Fill									
	42 42		2	Fill: Reddish yellow (7.5YR 6/8) POORLY GRADED SAND (SP), damp, non-plastic, non-cohesive, fine sand	Fill									
	60 60		6	Yellowish Red (5YR 4/6) LEAN CLAY (CL), damp to moist, high plasticity, cohesive, trace fine to coarse gravel										
	60 60		10	Color change to dark brown (7.5YR 3/4) at 8.5 ft.	CL									
	60 60		16											
	36 36		20	Brown (7.5YR 4/4) SANDY LEAN CLAY (CL), damp to wet, low plasticity, cohesive, little fine to coarse gravel	CL									
	24 24		24	Color transitions to reddish brown (5YR 4/4) below 22.0 ft.	CL									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm **AECOM** Tel: _____ Fax: _____

Boring Number **PZ-MWIC** Use only as an attachment to Form 4400-122.

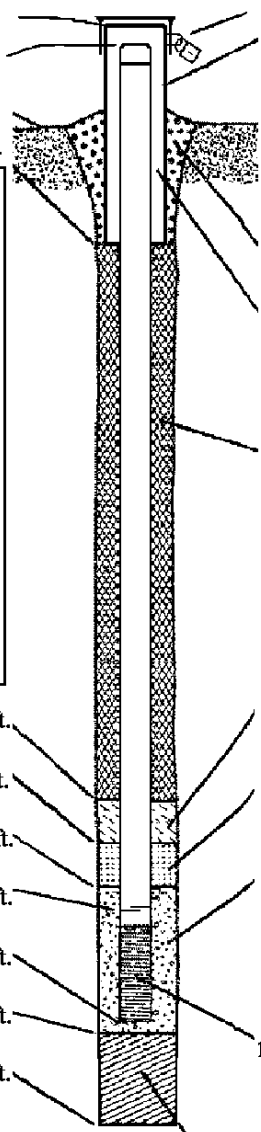
Page 2 of 3

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	60 60		26 28	Brown (7.5YR 4/4) SANDY LEAN CLAY (CL), damp to wet, low plasticity, cohesive, little fine to coarse gravel <i>(continued)</i>	CL									
	36 36		30 32	Reddish brown (5YR 4/4) LEAN CLAY (CL), moist to wet, low plasticity, cohesive, trace fine to coarse gravel	CL									
	60 60		32 34 36	Reddish brown (5YR 4/4), SANDY LEAN CLAY (CL), moist to wet, non to low plasticity, cohesive, trace fine to coarse gravel	CL									
	60 60		34 36 38 40	Reddish brown (5YR 4/4) very dark gray mottling (5YR 3/1) SANDY LEAN CLAY (CL), moist to wet, non to low plasticity, cohesive, trace fine to coarse gravel Less gray mottling below 34.0 ft.	CL									
	36 36		42 44	Dark yellowish brown (10YR 4/4) POORLY GRADED SAND WITH SILT (SP-SM), wet, non-plastic, non-cohesive, trace fine to coarse gravel	SP-SM									
	60 60		44 46	Dark yellowish brown (10YR 4/4) SANDY LEAN CLAY (CL), wet, non to low plasticity, cohesive, trace fine to coarse gravel	CL									
	60 60		46 48 50 52	Dark yellowish brown (10YR 4/4) SILTY SAND (SM), wet, non-plastic, cohesive, trace fine to coarse gravel, high fines content	SM									
	120 120		56 58	Dark yellowish brown (10YR 4/4) POORLY GRADED SAND (SP), wet, non-plastic, non-cohesive	SP									
			58 60 62	Dark yellowish brown (10YR 4/4) SANDY LEAN CLAY (SM), wet, non-plastic, cohesive, trace fine to coarse gravel, high fines content	SM									
	60 60		66	Dark yellowish brown (10YR 4/4) and light gray (10YR 7/1) SANDY LEAN CLAY (CL), wet, low plasticity, cohesive, trace fine to coarse gravel	CL									

Appendix A2
Monitoring Well Construction Reports

Facility/Project Name FV Steel and Wire	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-14
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 44° 20' 18" N Long. -88° 39' 07" W	Wis. Unique Well No. WC911 DNR Well ID No. _____
Facility ID 445031620	St. Plane _____ ft. N. _____ ft. E. S/C/N _____	Date Well Installed 10/09/2020 m m d d y y y y
Type of Well Well Code 11 / MW	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 35, T. 22 N, R. 15 E W	Well Installed By: Name (first, last) and Firm Randy Radke
Distance from Waste/Source _____ ft. Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Cascade

A. Protective pipe, top elevation 815.00 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 814.00 ft. MSL	2. Protective cover pipe: a. Inside diameter: 0.7 in. b. Length: 1.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation 815.00 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom 814.00 ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Sand <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
14. Drilling method used: Rotosonic Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint #7 b. Volume added NA ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #15 b. Volume added 210 lbs ft ³
17. Source of water (attach analysis, if required): Hortonville Wastewater Treatment Plant	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top 814.0 ft. MSL or 1.0 ft.	10. Screen material: PVC SCH 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top NA ft. MSL or NA ft.	b. Manufacturer Johnson c. Slot size: 0.006 in. d. Slotted length: 9.0 ft.
G. Filter pack, top 810.5 ft. MSL or 4.5 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top 808.5 ft. MSL or 6.5 ft.	
I. Well bottom 798.5 ft. MSL or 16.5 ft.	
J. Filter pack, bottom 798.0 ft. MSL or 17.0 ft.	
K. Borehole, bottom 798.0 ft. MSL or 17.0 ft.	
L. Borehole, diameter 6.0 in.	
M. O.D. well casing 2.375 in.	
N. I.D. well casing 2.047 in.	



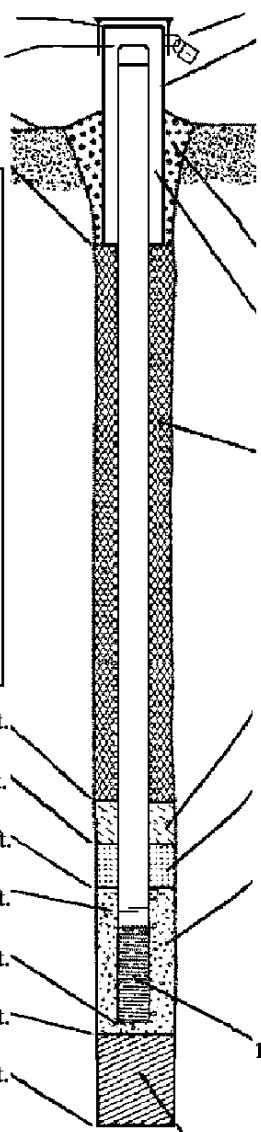
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm **AECOM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name FV Steel and Wire		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name PZ-MW1A	
Facility License, Permit or Monitoring No.		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. WC913 DNR Well ID No. _____	
Facility ID 445031620		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 10/09/2020 m m d d y y y y	
Type of Well Well Code 12 / PZ		Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 35, T. 22 N, R. 15 E W		Well Installed By: Name (first, last) and Firm Randy Radke	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known		Gov. Lot Number Cascade	

A. Protective pipe, top elevation 814.6 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 813.97 ft. MSL	2. Protective cover pipe: a. Inside diameter: 0.7 in. b. Length: 1.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation 814.6 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom 813.60 ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Rotosonic Other <input checked="" type="checkbox"/>	
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	
17. Source of water (attach analysis, if required): Hortonville Wastewater Treatment Plant	
E. Bentonite seal, top 813.6 ft. MSL or 1.0 ft.	4. Material between well casing and protective pipe: Sand Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
F. Fine sand, top 779.1 ft. MSL or 35.5 ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input checked="" type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. 350 lbs volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
G. Filter pack, top 777.1 ft. MSL or 37.5 ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
H. Screen joint, top 775.1 ft. MSL or 39.5 ft.	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint #7 b. Volume added 25 lbs
I. Well bottom 770.1 ft. MSL or 44.5 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #15 b. Volume added 125 lbs
J. Filter pack, bottom 769.6 ft. MSL or 45.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom 769.6 ft. MSL or 45.0 ft.	10. Screen material: PVC SCH 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter 6.0 in.	b. Manufacturer Johnson c. Slot size: 0.006 in. d. Slotted length: 4.5 ft.
M. O.D. well casing 2.375 in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing 2.047 in.	



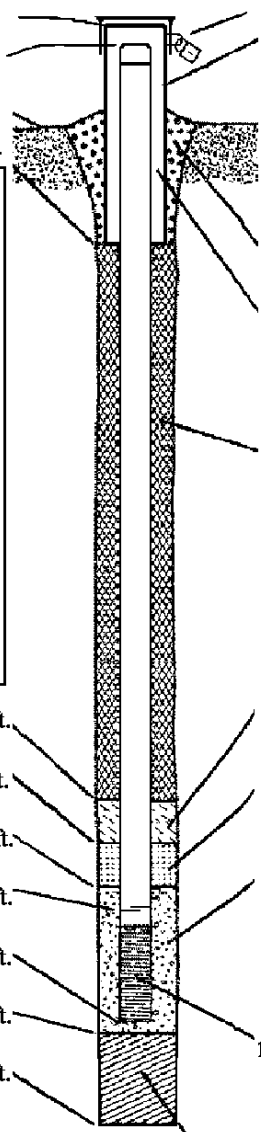
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm **AECOM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name FV Steel and Wire	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name PZ-MW1B
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. 44° 20' 18" Long. -88° 39' 7" or	Wis. Unique Well No. WC913 DNR Well ID No. _____
Facility ID 445031620	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 10/08/2020 m m d d y y y y
Type of Well Well Code 12 / PZ	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 35, T. 22 N, R. 15 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Randy Radke
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Cascade

A. Protective pipe, top elevation 814.5 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 814.09 ft. MSL	2. Protective cover pipe: a. Inside diameter: 0.7 in. b. Length: 1.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation 814.5 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom 813.50 ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Sand <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input checked="" type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. 32 Gal volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Rotosonic Hollow Stem Auger <input type="checkbox"/> 41 Other <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Plus 200 lbs chips Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint #7 b. Volume added 25 lbs
17. Source of water (attach analysis, if required): Hortonville Wastewater Treatment Plant	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #15 b. Volume added 125 lbs ft ³
E. Bentonite seal, top 770.5 ft. MSL or 44.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top 765.0 ft. MSL or 49.5 ft.	10. Screen material: PVC SCH 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top 763.0 ft. MSL or 51.5 ft.	b. Manufacturer Johnson
H. Screen joint, top 761.0 ft. MSL or 53.5 ft.	c. Slot size: 0.006 in.
I. Well bottom 756.0 ft. MSL or 58.5 ft.	d. Slotted length: 4.5 ft.
J. Filter pack, bottom 754.0 ft. MSL or 60.5 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom 754.0 ft. MSL or 60.5 ft.	
L. Borehole, diameter 6.0 in.	
M. O.D. well casing 2.375 in.	
N. I.D. well casing 2.047 in.	



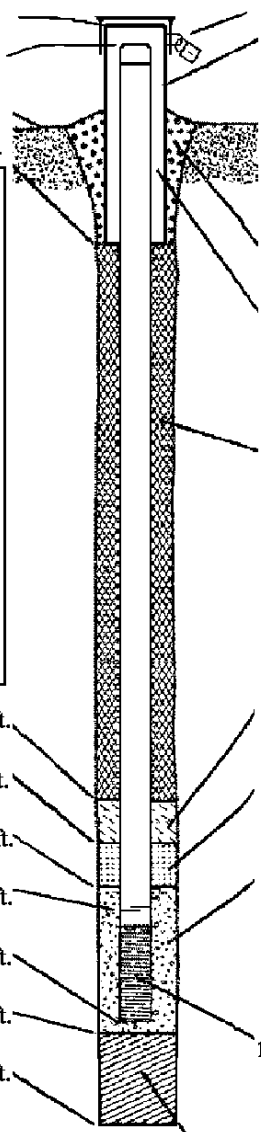
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Handwritten Signature]* Firm **AECOM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name FV Steel and Wire	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name PZ-MW1C
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. WC912	DNR Well ID No.
Facility ID	Lat. 44° 20' 18" N Long. -88° 39' 7" W	Date Well Installed 10/08/2020	
Type of Well Well Code 12 / PZ	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 35, T. 22 N, R. 15 E W	Well Installed By: Name (first, last) and Firm Randy Radke	
Distance from Waste/Source <input type="checkbox"/> ft. <input type="checkbox"/> Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Gov. Lot Number	Cascade

A. Protective pipe, top elevation 814.7 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 814.25 ft. MSL	2. Protective cover pipe: a. Inside diameter: 0.7 in. b. Length: 1.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation 814.7 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom 813.70 ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Sand <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. <input type="checkbox"/> Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. <input type="checkbox"/> Lbs/gal mud weight Bentonite slurry <input checked="" type="checkbox"/> 31 d. <input type="checkbox"/> % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. 74 Gal volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Rotosonic Other <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Plus 150 lbs chips Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint #7 b. Volume added 40 lbs
17. Source of water (attach analysis, if required): Hortonville Wastewater Treatment Plant	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #15 b. Volume added 125 lbs ft ³
E. Bentonite seal, top 748.7 ft. MSL or 66.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top 743.7 ft. MSL or 71.0 ft.	10. Screen material: PVC SCH 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top 741.7 ft. MSL or 73.0 ft.	b. Manufacturer Johnson
H. Screen joint, top 739.7 ft. MSL or 75.0 ft.	c. Slot size: 0.006 in.
I. Well bottom 734.7 ft. MSL or 80.0 ft.	d. Slotted length: 4.5 ft.
J. Filter pack, bottom 734.7 ft. MSL or 80.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
K. Borehole, bottom 734.7 ft. MSL or 80.0 ft.	
L. Borehole, diameter 6.0 in.	
M. O.D. well casing 2.375 in.	
N. I.D. well casing 2.047 in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm **AECOM**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Appendix A3
Monitoring Well Development Forms

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire	County Name Outagamie	Well Name MW-14	
Facility License, Permit or Monitoring Number	County Code 45	Wis. Unique Well Number WC911	DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other Was Dry

3. Time spent developing well _____ 0 min.

4. Depth of well (from top of well casing) _____ 16.1 ft.

5. Inside diameter of well _____ 2.04 in.

6. Volume of water in filter pack and well casing _____ 0.0 gal.

7. Volume of water removed from well _____ 0.0 gal.

8. Volume of water added (if any) _____ 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

DRY

11. Depth to Water Before Development After Development

(from top of well casing) a. _____ 16.05 ft. DRY _____ ft.

Date b. 10 / 12 / 2020 _____ 10 / 12 / 2020 _____
m m d d y y y y m m d d y y y y

Time c. _____ : _____ a.m. _____ : _____ a.m.
_____ : _____ p.m. _____ : _____ p.m.

12. Sediment in well bottom _____ 0.0 inches _____ 0.0 inches

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Christopher Last Name: Lutzen

Firm: AECOM

Name and Address of Facility Contact /Owner/Responsible Party

First Last
Name: _____ Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Christopher Lutzen

Print Name: Christopher Lutzen

Firm: AECOM

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire	County Name Outagamie	Well Name PZ-MW1A
Facility License, Permit or Monitoring Number	County Code 45	Wis. Unique Well Number WC914
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____ _____

3. Time spent developing well 130 min.

4. Depth of well (from top of well casing) 44.3 ft.

5. Inside diameter of well 2.04 in.

6. Volume of water in filter pack and well casing 5.8 gal.

7. Volume of water removed from well 62.0 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

44.34 5.8 Ga x 10= 58 Gal
-12.55
=31.79

11. Depth to Water Before Development After Development

(from top of well casing) a. 12.55 ft. 21.63 ft.

Date b. 10/09/2020 10/12/2020
m m d d y y y y m m d d y y y y

Time c. 9:00am a.m. 10:00am a.m.
3:30 p.m. 4:40 p.m.

12. Sediment in well bottom 0.1 inches 0.0 inches

13. Water clarity Clear 10 Clear 20
Turbid 15 Turbid 25
(Describe) (Describe)

Brown Clear

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Christopher Last Name: Lutzen

Firm: AECOM

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Christopher Lutzen

Print Name: Christopher Lutzen

Firm: AECOM

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire	County Name Outagamie	Well Name PZ-MW1B	
Facility License, Permit or Monitoring Number	County Code 45	Wis. Unique Well Number WC913	DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____
3. Time spent developing well _____ min.
4. Depth of well (from top of well casing) 57.9 ft.
5. Inside diameter of well 2.04 in.
6. Volume of water in filter pack and well casing 11.2 gal.
7. Volume of water removed from well 115.0 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added NA
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|--|--|---|
| 11. Depth to Water (from top of well casing) | a. <u>14.30</u> ft. | <u>44.50</u> ft. |
| Date | b. <u>10/09/2020</u> | <u>10/12/2020</u> |
| | m m d d y y y y | m m d d y y y y |
| Time | c. <u>10:00am</u> <input type="checkbox"/> a.m. | <u>2:30pm</u> <input type="checkbox"/> a.m. |
| | c. <u>12:40</u> <input checked="" type="checkbox"/> p.m. | <u>2:30</u> <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | <u>0.1</u> inches | <u>0.0</u> inches |
| 13. Water clarity | Clear <input checked="" type="checkbox"/> 10
Turbid <input type="checkbox"/> 15
(Describe) _____ | Clear <input type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) _____ |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
 First Name: Christopher Last Name: Lutzen
 Firm: AECOM

17. Additional comments on development:

57.95 11.2 Ga x 10= 112Gal
-14.30
=43.65

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____
 Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: *Christopher Lutzen*

Print Name: Christopher Lutzen

Firm: AECOM

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name FV Steel and Wire	County Name Outagamie	Well Name PZ-MW1C
Facility License, Permit or Monitoring Number	County Code 45	Wis. Unique Well Number WC912
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ min.

4. Depth of well (from top of well casing) 79.7 ft.

5. Inside diameter of well 2.04 in.

6. Volume of water in filter pack and well casing 12.9 gal.

7. Volume of water removed from well 160.0 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

79.70 12.9 Ga x 10= 130Gal
-16.14
=63.56

11. Depth to Water Before Development After Development

(from top of well casing) a. 16.14 ft. 45.50 ft.

Date b. 10/12/2020 10/12/2020
m m d d y y y y m m d d y y y y

Time c. 12:40 a.m. p.m. 2:30 a.m. p.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 1 0 Turbid 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Christopher Last Name: Lutzen

Firm: AECOM

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Christopher Lutzen

Print Name: Christopher Lutzen

Firm: AECOM

Appendix A4
Waste Disposal Records



Covanta Environmental Solutions - Fox Valley
 210 Tower Road
 Winneconne WI 54986
 United States

Invoice

Date 11/23/2020
Invoice # CI114247
Terms Net 30
SSM Biggar, Jacob A
Memo FV Steel and Wire Company Drum Disposal Nov 2020

Bill To

AECOM
 USAPImaging@aecom.com

Generator	Date	Doc #	Description	PO #	Qty	Unit	Price	Amount
FV Steel and Wire Company 111 North Douglas Street, Hortonville, WI	11/13/2020	172251	5004189, Non hazardous soil cutting drums, 14, D-55		14	D-55		
FV Steel and Wire Company 111 North Douglas Street, Hortonville, WI	11/13/2020	172251	5004190, Non hazardous water drums, 12, D-55		12	D-55		
FV Steel and Wire Company 111 North Douglas Street, Hortonville, WI	11/13/2020		Project Mobilization - On site equipment - Labor		1	Each		
	11/13/2020		EIS- Energy, Insurance and Security		1	Each		

Contact Covanta Environmental Solutions at 800-842-9792 within 30 days of the invoice date for any and all billing discrepancies.

Covanta Environmental Solutions, LLC A nationwide network of Treatment, Recycling, Logistics and Energy-from-Waste resources to help clients reach their sustainability goals and protect tomorrow

Remittance Address
 Covanta Environmental Solutions, LLC
 29023 Network Place
 Chicago, IL 60673-1290

Use following for ACH: JPMORGAN CHASE BANK N.A.
 Bank/ABA/Routing # : 071000013, Bank Acct. # :878356844
 Chicago IL
Use following for WIRE:
 Bank/ABA/Routing# : 021000021, Bank Acct# : 878356844
 New York, NY

Courier Address: JPMorgan Chase
 Attn: Covanta Environmental Solutions LLC
 29023 131 S. Dearborn, 6th Floor
 Chicago, IL 60603

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
n/a

2. Page 1 of

3. Emergency Response Phone
(800) 814-1204

4. Waste Tracking Number

CES

172251

5. Generator's Name and Mailing Address
FV Steel and Wire Company
111 North Douglas Street
Hortonville Wisconsin 54944
Generator's Phone:

Generator's Site Address (if different than mailing address)
FV Steel and Wire Company
111 North Douglas Street
Hortonville Wisconsin 54944

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Covanta Environmental Solutions
210 Tower Rd.
WINNECONNE WI 54986 (920) 582-7596
Facility's Phone:

U.S. EPA ID Number
W1R000131656

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total Quantity

12. Unit Wt./Vol.

1. Non-RCRA, Non-DOT Regulated Material

010 DM
14

2. Non-RCRA, Non-DOT Regulated Material

012 DM

3. ~~Non-RCRA, Non-DOT Regulated Material~~

~~012 DM~~

4. ~~Non-RCRA, Non-DOT Regulated Material~~

13. Special Handling Instructions and Additional Information

1 5004189 Non hazardous soil cutting drums CWT: N/A PO#:
2 5004190 Non hazardous water drums CWT: N/A PO#:

Trailer #: _____
Emergency Response Guide _____
Site arrival time _____
Site departure time _____
www.covanta.com

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

Verbal

11 13 20

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit: _____
Date leaving U.S.: _____

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Ben Gibson
Transporter 2 Printed/Typed Name

Signature

Month Day Year

Ben Gibson

11 13 20

17. Discrepancy

17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Derek Koenig

Derek Koenig

11 13 20

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Appendix A5
Well Abandonment Form

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

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

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

County <i>Outagamie</i>		WI Unique Well # of Removed Well		Hicap #		Facility Name <i>Fv Steel and Wire</i>	
Latitude / Longitude (see instructions) <i>44.3363</i> N <i>-88.6617</i> W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input checked="" type="checkbox"/> OTH001		Facility ID (FID or PWS)	
%1/4 NE % NW or Gov't Lot#		Section <i>35</i>		Township <i>22 N</i>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <i>111 N Douglas St</i>				Present Well Owner <i>Fv Steel and Wire</i>			
Well City, Village or Town <i>Hortonville</i>				Well ZIP Code <i>54944</i>			
Subdivision Name				Lot #		Mailing Address of Present Owner <i>111 N Douglas St</i>	
Reason for Removal from Service <i>Remediation/Redevelopment</i>		WI Unique Well # of Replacement Well <i>N/A</i>		City of Present Owner <i>Hortonville</i>		State <i>WI</i>	ZIP Code <i>54944</i>

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

<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy)		Pump and piping removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole				Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:		If a Well Construction Report is available, please attach.		Screen removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____				Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) <i>20.50</i>		Casing Diameter (in.) <i>6.00</i>		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.) <i>20.50</i>		If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) <i>6.30</i>		Required Method of Placing Sealing Material	
If yes, to what depth (feet)?				<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped	
				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
				Sealing Materials	
				<input checked="" type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Surface</i>	<i>20.50</i>	<i>85 GL</i>	<i>14.0</i>

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing <i>Lawrence W Erdman</i>		License # <i>6189</i>	Date of Filling & Sealing or Verification (mm/dd/yyyy) <i>10/09/20</i>		DNR Use Only	
Street or Route <i>139460 Rainbow Dr</i>		Telephone Number <i>(715) 355-8516</i>		Date Received	Noted By	
City <i>Merrill</i>		State <i>WI</i>	ZIP Code <i>54452</i>	Signature of Person Doing Work <i>Cascade301</i>		
				Date Signed		

Appendix B

Analytical Test Reports

- B1 Soil Sample Results
- B2 Groundwater Sample Results

Appendix B1
Soil Sample Results

November 17, 2020

Gary Braun
AECOM
1555 N. RiverCenter Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60428891 FMR FV STEEL+ WIRE CO
Pace Project No.: 40218182

Dear Gary Braun:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40218182001	HA-1	Solid	11/10/20 07:30	11/11/20 14:56
40218182002	HA-2	Solid	11/10/20 08:00	11/11/20 14:56
40218182003	HA-3	Solid	11/10/20 08:45	11/11/20 14:56
40218182004	HA-4	Solid	11/10/20 09:30	11/11/20 14:56

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SAMPLE ANALYTE COUNT

Project: 60428891 FMR FV STEEL+ WIRE CO
Pace Project No.: 40218182

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40218182001	HA-1	EPA 8270 by SIM	JJB	20	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40218182002	HA-2	EPA 8270 by SIM	JJB	20	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40218182003	HA-3	EPA 8270 by SIM	JJB	20	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40218182004	HA-4	EPA 8270 by SIM	JJB	20	PASI-G
		ASTM D2974-87	AH	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 60428891 FMR FV STEEL+ WIRE CO
Pace Project No.: 40218182

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40218182001	HA-1					
ASTM D2974-87	Percent Moisture	17.3	%	0.10	11/12/20 10:04	
40218182002	HA-2					
EPA 8270 by SIM	Naphthalene	3.0J	ug/kg	18.8	11/16/20 14:10	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	11/12/20 10:04	
40218182003	HA-3					
EPA 8270 by SIM	Benzo(a)anthracene	11.6J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Benzo(a)pyrene	15.5J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Benzo(b)fluoranthene	23.9	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Benzo(g,h,i)perylene	12.8J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Benzo(k)fluoranthene	11.3J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Chrysene	21.0	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Dibenz(a,h)anthracene	2.9J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Fluoranthene	40.3	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	10.6J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Naphthalene	1.9J	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Phenanthrene	25.7	ug/kg	18.7	11/16/20 11:01	
EPA 8270 by SIM	Pyrene	28.5	ug/kg	18.7	11/16/20 11:01	
ASTM D2974-87	Percent Moisture	10.5	%	0.10	11/12/20 10:04	
40218182004	HA-4					
ASTM D2974-87	Percent Moisture	33.2	%	0.10	11/12/20 10:04	

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ANALYTICAL RESULTS

Project: 60428891 FMR FV STEEL+ WIRE CO
Pace Project No.: 40218182

Sample: HA-1 **Lab ID:** 40218182001 Collected: 11/10/20 07:30 Received: 11/11/20 14:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.6	ug/kg	20.2	2.6	1	11/13/20 08:22	11/16/20 11:17	83-32-9	
Acenaphthylene	<2.5	ug/kg	20.2	2.5	1	11/13/20 08:22	11/16/20 11:17	208-96-8	
Anthracene	<2.5	ug/kg	20.2	2.5	1	11/13/20 08:22	11/16/20 11:17	120-12-7	
Benzo(a)anthracene	<2.6	ug/kg	20.2	2.6	1	11/13/20 08:22	11/16/20 11:17	56-55-3	
Benzo(a)pyrene	<2.3	ug/kg	20.2	2.3	1	11/13/20 08:22	11/16/20 11:17	50-32-8	
Benzo(b)fluoranthene	<2.8	ug/kg	20.2	2.8	1	11/13/20 08:22	11/16/20 11:17	205-99-2	
Benzo(g,h,i)perylene	<3.5	ug/kg	20.2	3.5	1	11/13/20 08:22	11/16/20 11:17	191-24-2	
Benzo(k)fluoranthene	<2.6	ug/kg	20.2	2.6	1	11/13/20 08:22	11/16/20 11:17	207-08-9	
Chrysene	<3.8	ug/kg	20.2	3.8	1	11/13/20 08:22	11/16/20 11:17	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	20.2	2.8	1	11/13/20 08:22	11/16/20 11:17	53-70-3	
Fluoranthene	<2.4	ug/kg	20.2	2.4	1	11/13/20 08:22	11/16/20 11:17	206-44-0	
Fluorene	<2.4	ug/kg	20.2	2.4	1	11/13/20 08:22	11/16/20 11:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.2	ug/kg	20.2	4.2	1	11/13/20 08:22	11/16/20 11:17	193-39-5	
1-Methylnaphthalene	<2.9	ug/kg	20.2	2.9	1	11/13/20 08:22	11/16/20 11:17	90-12-0	
2-Methylnaphthalene	<2.9	ug/kg	20.2	2.9	1	11/13/20 08:22	11/16/20 11:17	91-57-6	
Naphthalene	<2.0	ug/kg	20.2	2.0	1	11/13/20 08:22	11/16/20 11:17	91-20-3	
Phenanthrene	<2.3	ug/kg	20.2	2.3	1	11/13/20 08:22	11/16/20 11:17	85-01-8	
Pyrene	<3.0	ug/kg	20.2	3.0	1	11/13/20 08:22	11/16/20 11:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	17-100		1	11/13/20 08:22	11/16/20 11:17	321-60-8	
Terphenyl-d14 (S)	64	%	17-98		1	11/13/20 08:22	11/16/20 11:17	1718-51-0	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	17.3	%	0.10	0.10	1		11/12/20 10:04		

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ANALYTICAL RESULTS

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

Sample: HA-2 **Lab ID:** 40218182002 Collected: 11/10/20 08:00 Received: 11/11/20 14:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.4	ug/kg	18.8	2.4	1	11/13/20 08:22	11/16/20 14:10	83-32-9	
Acenaphthylene	<2.4	ug/kg	18.8	2.4	1	11/13/20 08:22	11/16/20 14:10	208-96-8	
Anthracene	<2.3	ug/kg	18.8	2.3	1	11/13/20 08:22	11/16/20 14:10	120-12-7	
Benzo(a)anthracene	<2.4	ug/kg	18.8	2.4	1	11/13/20 08:22	11/16/20 14:10	56-55-3	
Benzo(a)pyrene	<2.1	ug/kg	18.8	2.1	1	11/13/20 08:22	11/16/20 14:10	50-32-8	
Benzo(b)fluoranthene	<2.6	ug/kg	18.8	2.6	1	11/13/20 08:22	11/16/20 14:10	205-99-2	
Benzo(g,h,i)perylene	<3.3	ug/kg	18.8	3.3	1	11/13/20 08:22	11/16/20 14:10	191-24-2	
Benzo(k)fluoranthene	<2.4	ug/kg	18.8	2.4	1	11/13/20 08:22	11/16/20 14:10	207-08-9	
Chrysene	<3.6	ug/kg	18.8	3.6	1	11/13/20 08:22	11/16/20 14:10	218-01-9	
Dibenz(a,h)anthracene	<2.6	ug/kg	18.8	2.6	1	11/13/20 08:22	11/16/20 14:10	53-70-3	
Fluoranthene	<2.2	ug/kg	18.8	2.2	1	11/13/20 08:22	11/16/20 14:10	206-44-0	
Fluorene	<2.3	ug/kg	18.8	2.3	1	11/13/20 08:22	11/16/20 14:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.9	ug/kg	18.8	3.9	1	11/13/20 08:22	11/16/20 14:10	193-39-5	
1-Methylnaphthalene	<2.8	ug/kg	18.8	2.8	1	11/13/20 08:22	11/16/20 14:10	90-12-0	
2-Methylnaphthalene	<2.8	ug/kg	18.8	2.8	1	11/13/20 08:22	11/16/20 14:10	91-57-6	
Naphthalene	3.0J	ug/kg	18.8	1.8	1	11/13/20 08:22	11/16/20 14:10	91-20-3	
Phenanthrene	<2.2	ug/kg	18.8	2.2	1	11/13/20 08:22	11/16/20 14:10	85-01-8	
Pyrene	<2.8	ug/kg	18.8	2.8	1	11/13/20 08:22	11/16/20 14:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	17-100		1	11/13/20 08:22	11/16/20 14:10	321-60-8	
Terphenyl-d14 (S)	60	%	17-98		1	11/13/20 08:22	11/16/20 14:10	1718-51-0	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.4	%	0.10	0.10	1		11/12/20 10:04		

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ANALYTICAL RESULTS

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

Sample: HA-3 **Lab ID: 40218182003** Collected: 11/10/20 08:45 Received: 11/11/20 14:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.4	ug/kg	18.7	2.4	1	11/13/20 08:22	11/16/20 11:01	83-32-9	
Acenaphthylene	<2.4	ug/kg	18.7	2.4	1	11/13/20 08:22	11/16/20 11:01	208-96-8	
Anthracene	<2.3	ug/kg	18.7	2.3	1	11/13/20 08:22	11/16/20 11:01	120-12-7	
Benzo(a)anthracene	11.6J	ug/kg	18.7	2.4	1	11/13/20 08:22	11/16/20 11:01	56-55-3	
Benzo(a)pyrene	15.5J	ug/kg	18.7	2.1	1	11/13/20 08:22	11/16/20 11:01	50-32-8	
Benzo(b)fluoranthene	23.9	ug/kg	18.7	2.6	1	11/13/20 08:22	11/16/20 11:01	205-99-2	
Benzo(g,h,i)perylene	12.8J	ug/kg	18.7	3.3	1	11/13/20 08:22	11/16/20 11:01	191-24-2	
Benzo(k)fluoranthene	11.3J	ug/kg	18.7	2.4	1	11/13/20 08:22	11/16/20 11:01	207-08-9	
Chrysene	21.0	ug/kg	18.7	3.5	1	11/13/20 08:22	11/16/20 11:01	218-01-9	
Dibenz(a,h)anthracene	2.9J	ug/kg	18.7	2.6	1	11/13/20 08:22	11/16/20 11:01	53-70-3	
Fluoranthene	40.3	ug/kg	18.7	2.2	1	11/13/20 08:22	11/16/20 11:01	206-44-0	
Fluorene	<2.2	ug/kg	18.7	2.2	1	11/13/20 08:22	11/16/20 11:01	86-73-7	
Indeno(1,2,3-cd)pyrene	10.6J	ug/kg	18.7	3.9	1	11/13/20 08:22	11/16/20 11:01	193-39-5	
1-Methylnaphthalene	<2.7	ug/kg	18.7	2.7	1	11/13/20 08:22	11/16/20 11:01	90-12-0	
2-Methylnaphthalene	<2.7	ug/kg	18.7	2.7	1	11/13/20 08:22	11/16/20 11:01	91-57-6	
Naphthalene	1.9J	ug/kg	18.7	1.8	1	11/13/20 08:22	11/16/20 11:01	91-20-3	
Phenanthrene	25.7	ug/kg	18.7	2.1	1	11/13/20 08:22	11/16/20 11:01	85-01-8	
Pyrene	28.5	ug/kg	18.7	2.7	1	11/13/20 08:22	11/16/20 11:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	17-100		1	11/13/20 08:22	11/16/20 11:01	321-60-8	
Terphenyl-d14 (S)	60	%	17-98		1	11/13/20 08:22	11/16/20 11:01	1718-51-0	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.5	%	0.10	0.10	1		11/12/20 10:04		

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ANALYTICAL RESULTS

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

Sample: HA-4 **Lab ID: 40218182004** Collected: 11/10/20 09:30 Received: 11/11/20 14:56 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<3.2	ug/kg	25.0	3.2	1	11/13/20 08:22	11/16/20 09:16	83-32-9	
Acenaphthylene	<3.1	ug/kg	25.0	3.1	1	11/13/20 08:22	11/16/20 09:16	208-96-8	
Anthracene	<3.1	ug/kg	25.0	3.1	1	11/13/20 08:22	11/16/20 09:16	120-12-7	
Benzo(a)anthracene	<3.2	ug/kg	25.0	3.2	1	11/13/20 08:22	11/16/20 09:16	56-55-3	
Benzo(a)pyrene	<2.8	ug/kg	25.0	2.8	1	11/13/20 08:22	11/16/20 09:16	50-32-8	
Benzo(b)fluoranthene	<3.5	ug/kg	25.0	3.5	1	11/13/20 08:22	11/16/20 09:16	205-99-2	
Benzo(g,h,i)perylene	<4.4	ug/kg	25.0	4.4	1	11/13/20 08:22	11/16/20 09:16	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	25.0	3.2	1	11/13/20 08:22	11/16/20 09:16	207-08-9	
Chrysene	<4.7	ug/kg	25.0	4.7	1	11/13/20 08:22	11/16/20 09:16	218-01-9	
Dibenz(a,h)anthracene	<3.5	ug/kg	25.0	3.5	1	11/13/20 08:22	11/16/20 09:16	53-70-3	
Fluoranthene	<3.0	ug/kg	25.0	3.0	1	11/13/20 08:22	11/16/20 09:16	206-44-0	
Fluorene	<3.0	ug/kg	25.0	3.0	1	11/13/20 08:22	11/16/20 09:16	86-73-7	
Indeno(1,2,3-cd)pyrene	<5.2	ug/kg	25.0	5.2	1	11/13/20 08:22	11/16/20 09:16	193-39-5	
1-Methylnaphthalene	<3.6	ug/kg	25.0	3.6	1	11/13/20 08:22	11/16/20 09:16	90-12-0	
2-Methylnaphthalene	<3.7	ug/kg	25.0	3.7	1	11/13/20 08:22	11/16/20 09:16	91-57-6	
Naphthalene	<2.4	ug/kg	25.0	2.4	1	11/13/20 08:22	11/16/20 09:16	91-20-3	
Phenanthrene	<2.9	ug/kg	25.0	2.9	1	11/13/20 08:22	11/16/20 09:16	85-01-8	
Pyrene	<3.7	ug/kg	25.0	3.7	1	11/13/20 08:22	11/16/20 09:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	17-100		1	11/13/20 08:22	11/16/20 09:16	321-60-8	
Terphenyl-d14 (S)	63	%	17-98		1	11/13/20 08:22	11/16/20 09:16	1718-51-0	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	33.2	%	0.10	0.10	1		11/12/20 10:04		

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QUALITY CONTROL DATA

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

QC Batch: 371215 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40218182001, 40218182002, 40218182003, 40218182004

METHOD BLANK: 2146310 Matrix: Solid
Associated Lab Samples: 40218182001, 40218182002, 40218182003, 40218182004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	11/13/20 11:26	
2-Methylnaphthalene	ug/kg	<2.4	16.7	11/13/20 11:26	
Acenaphthene	ug/kg	<2.2	16.7	11/13/20 11:26	
Acenaphthylene	ug/kg	<2.1	16.7	11/13/20 11:26	
Anthracene	ug/kg	<2.1	16.7	11/13/20 11:26	
Benzo(a)anthracene	ug/kg	<2.2	16.7	11/13/20 11:26	
Benzo(a)pyrene	ug/kg	<1.9	16.7	11/13/20 11:26	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	11/13/20 11:26	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	11/13/20 11:26	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	11/13/20 11:26	
Chrysene	ug/kg	<3.2	16.7	11/13/20 11:26	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	11/13/20 11:26	
Fluoranthene	ug/kg	<2.0	16.7	11/13/20 11:26	
Fluorene	ug/kg	<2.0	16.7	11/13/20 11:26	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	11/13/20 11:26	
Naphthalene	ug/kg	<1.6	16.7	11/13/20 11:26	
Phenanthrene	ug/kg	<1.9	16.7	11/13/20 11:26	
Pyrene	ug/kg	<2.5	16.7	11/13/20 11:26	
2-Fluorobiphenyl (S)	%	57	17-100	11/13/20 11:26	
Terphenyl-d14 (S)	%	84	17-98	11/13/20 11:26	

LABORATORY CONTROL SAMPLE: 2146311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	228	68	58-101	
2-Methylnaphthalene	ug/kg	333	223	67	59-101	
Acenaphthene	ug/kg	333	248	74	62-97	
Acenaphthylene	ug/kg	333	242	73	67-102	
Anthracene	ug/kg	333	276	83	69-120	
Benzo(a)anthracene	ug/kg	333	254	76	59-101	
Benzo(a)pyrene	ug/kg	333	275	82	70-110	
Benzo(b)fluoranthene	ug/kg	333	267	80	66-111	
Benzo(g,h,i)perylene	ug/kg	333	275	82	64-106	
Benzo(k)fluoranthene	ug/kg	333	271	81	65-108	
Chrysene	ug/kg	333	267	80	61-102	
Dibenz(a,h)anthracene	ug/kg	333	286	86	64-120	
Fluoranthene	ug/kg	333	279	84	69-120	
Fluorene	ug/kg	333	253	76	70-99	
Indeno(1,2,3-cd)pyrene	ug/kg	333	281	84	66-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

LABORATORY CONTROL SAMPLE: 2146311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	235	70	60-95	
Phenanthrene	ug/kg	333	261	78	66-98	
Pyrene	ug/kg	333	239	72	63-120	
2-Fluorobiphenyl (S)	%			69	17-100	
Terphenyl-d14 (S)	%			74	17-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2146312 2146313

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40217971004 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	ug/kg	<2.8	377	377	250	249	66	66	48-101	0	25
2-Methylnaphthalene	ug/kg	<2.8	377	377	250	249	66	66	46-101	1	21
Acenaphthene	ug/kg	<2.5	377	377	276	277	73	73	52-97	0	20
Acenaphthylene	ug/kg	<2.4	377	377	273	273	72	72	51-102	0	20
Anthracene	ug/kg	<2.3	377	377	310	308	82	82	54-120	1	20
Benzo(a)anthracene	ug/kg	<2.4	377	377	279	277	74	73	34-101	1	22
Benzo(a)pyrene	ug/kg	<2.2	377	377	301	294	80	78	46-110	2	25
Benzo(b)fluoranthene	ug/kg	<2.6	377	377	285	296	76	78	40-111	4	23
Benzo(g,h,i)perylene	ug/kg	<3.3	377	377	297	301	78	79	40-120	1	24
Benzo(k)fluoranthene	ug/kg	<2.4	377	377	302	294	80	78	47-108	3	24
Chrysene	ug/kg	<3.6	377	377	286	297	76	79	35-115	3	20
Dibenz(a,h)anthracene	ug/kg	<2.6	377	377	316	312	84	83	46-120	1	21
Fluoranthene	ug/kg	<2.2	377	377	299	305	79	81	52-120	2	23
Fluorene	ug/kg	<2.3	377	377	284	281	75	74	54-99	1	20
Indeno(1,2,3-cd)pyrene	ug/kg	<3.9	377	377	316	308	84	82	46-120	3	22
Naphthalene	ug/kg	<1.8	377	377	271	262	72	69	46-95	3	23
Phenanthrene	ug/kg	<2.2	377	377	297	287	79	76	51-98	4	20
Pyrene	ug/kg	<2.8	377	377	270	291	72	77	46-120	7	24
2-Fluorobiphenyl (S)	%						69	68	17-100		
Terphenyl-d14 (S)	%						71	77	17-98		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

QC Batch: 371099

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40218182001, 40218182002, 40218182003, 40218182004

SAMPLE DUPLICATE: 2145469

Parameter	Units	40218172016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.6	18.9	7	10	

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QUALIFIERS

Project: 60428891 FMR FV STEEL+ WIRE CO

Pace Project No.: 40218182

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60428891 FMR FV STEEL+ WIRE CO
Pace Project No.: 40218182

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40218182001	HA-1	EPA 3546	371215	EPA 8270 by SIM	371271
40218182002	HA-2	EPA 3546	371215	EPA 8270 by SIM	371271
40218182003	HA-3	EPA 3546	371215	EPA 8270 by SIM	371271
40218182004	HA-4	EPA 3546	371215	EPA 8270 by SIM	371271
40218182001	HA-1	ASTM D2974-87	371099		
40218182002	HA-2	ASTM D2974-87	371099		
40218182003	HA-3	ASTM D2974-87	371099		
40218182004	HA-4	ASTM D2974-87	371099		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **AECOM**
 Branch/Location: **MILWAUKEE**
 Project Contact: **GARY BRAUN**
 Phone: **(414) 526-6224**
 Project Number: **60428891**
 Project Name: **Former FV Steel & WIFE COMPANY**
 Project State: **WI**
 Sampled By (Print): **TOM BISHOP**
 Sampled By (Sign): *Tom Bishop*
 PO #:



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Filtered? (YES/NO)	Preservation (CODE)	Y/N	Pick Letter
		NO	A

Matrix Codes	Analysis Requested
PAH	

Quote #: _____
 Mail To Contact: **GARY BRAUN**
 Mail To Company: **AECOM**
 Mail To Address: **1555 N River Center DR
MILWAUKEE, WI 53212**
 Invoice To Contact: **GARY BRAUN**
 Invoice To Company: **AECOM**
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Matrix Codes	Analysis Requested	Retention		Release	
							Relinquished By:	Date/Time:	Received By:	Date/Time:
001	HA-1	11/10/20	730	S			<i>Tom Bishop</i>	11/10/20 1130AM	<i>Tom Bishop</i>	11/10/20 1130AM
002	HA-2	11/10/20	800	S			<i>Tom Bishop</i>	11/10/20 1045 AM	<i>Tom Bishop</i>	11/10/20 1045
003	HA-3	11/10/20	845	S			<i>Tom Bishop</i>	11/10/20 1456	<i>Tom Bishop</i>	11/10/20 1456
004	HA-4	11/10/20	930	S			<i>Tom Bishop</i>	11/10/20 1456	<i>Tom Bishop</i>	11/10/20 1456

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Relinquished By: *Tom Bishop*
 Date/Time: 11/10/20 1130AM

Received By: *Tom Bishop*
 Date/Time: 11/10/20 1130AM

PAGE Project No. **4028180**

Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: *Tom Bishop*
 Date/Time: 11/10/20 1456

Received By: *Tom Bishop*
 Date/Time: 11/10/20 1456

Receipt Temp = **1207**°C
 Sample Receipt pH
 Cooler Custody Seal
 Present/Not Present
 Intact / Not Intact

Client Name: AECOM

Sample Preservation Receipt Form
Project # 40218182

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 2
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: Yes No N/A
 Lab Lot# of pH paper: _____ Lab Std #ID of preservation (if pH adjusted): _____
 Initial when completed: _____ Date/Time: _____

Pace Lab #	AG1U BG1U AG1H AG4S AG4U AG5U AG2S BG3U	BP1U BP3U BP3B BP3N BP3S	VG9A DG9T VG9U VG9H VG9M VG9D	JGFU JG9U WGFU WPFU	SP5T ZPLC GN	VOA Vials (>6mm) *	H2SO4 pH ≤2 NaOH+Zn Act pH ≥9 NaOH pH ≥12 HNO3 pH ≤2 pH after adjusted	Volume (mL)
001								2.5/5/10
002								2.5/5/10
003								2.5/5/10
004								2.5/5/10
005								2.5/5/10
006								2.5/5/10
007								2.5/5/10
008								2.5/5/10
009								2.5/5/10
010								2.5/5/10
011								2.5/5/10
012								2.5/5/10
013								2.5/5/10
014								2.5/5/10
015								2.5/5/10
016								2.5/5/10
017								2.5/5/10
018								2.5/5/10
019								2.5/5/10
020								2.5/5/10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____
 Headspace in VOA Vials (<6mm): Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	VG9A 40 mL clear ascorbic	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL amber Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 100 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN
BG3U 250 mL clear glass unpres			



Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020
Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: AECOM

Project #: _____

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

WO#: 40218182



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI / Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
Date: 11-11-20 / Initials: SRK
Labeled By Initials: SRK

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Appendix B2
Groundwater Sample Results

Appendix B2
Groundwater Sample Results

Nov. 16-17, 2020

Analyte	NR140 ES	NR140 PAL	MW-1	MW-3	MW-4	MW-5
			11/17/20	11/16/20	11/16/20	11/17/20
8260 MSV (ug/L)						
Benzene	5	0.5	<0.25	<0.25	<0.25	<0.25
Bromobenzene	--	--	<0.24	<0.24	<0.24	<0.24
Bromochloromethane	--	--	<0.36	<0.36	<0.36	<0.36
Bromodichloromethane	0.6	0.06	<0.36	<0.36	<0.36	<0.36
Bromoform	4.4	0.44	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	1	<0.97	<0.97	<0.97	<0.97
n-Butylbenzene	--	--	<0.71	<0.71	<0.71	<0.71
sec-Butylbenzene	--	--	<0.85	<0.85	<0.85	<0.85
tert-Butylbenzene	--	--	<0.30	<0.30	<0.30	<0.30
Carbon tetrachloride	5	0.5	<1.1	<1.1	<1.1	<1.1
Chlorobenzene	100	20	<0.71	<0.71	<0.71	<0.71
Chloroethane	400	80	<1.3	<1.3	<1.3	<1.3
Chloroform	6	0.6	<1.3	<1.3	<1.3	<1.3
Chloromethane	30	3	<2.2	<2.2	<2.2	<2.2
2-Chlorotoluene	--	--	<0.93	<0.93	<0.93	<0.93
4-Chlorotoluene	--	--	<0.76	<0.76	<0.76	<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8	<1.8	<1.8	<1.8
Dibromochloromethane	60	6	<2.6	<2.6	<2.6	<2.6
1,2-Dibromoethane (EDB)	0.05	0.005	<0.83	<0.83	<0.83	<0.83
Dibromomethane	--	--	<0.94	<0.94	<0.94	<0.94
1,2-Dichlorobenzene	600	60	<0.71	<0.71	<0.71	<0.71
1,3-Dichlorobenzene	600	120	<0.63	<0.63	<0.63	<0.63
1,4-Dichlorobenzene	75	15	<0.94	<0.94	<0.94	<0.94
Dichlorodifluoromethane	1000	200	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.27	19.4	0.99 J	<0.27
1,2-Dichloroethane	5	0.5	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	7	0.7	<0.24	8.9	<0.24	<0.24
cis-1,2-Dichloroethene	70	7	0.31 J	1.7	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	<0.46	<0.46	<0.46	<0.46
1,2-Dichloropropane	5	0.5	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane	--	--	<0.83	<0.83	<0.83	<0.83
2,2-Dichloropropane	--	--	<2.3	<2.3	<2.3	<2.3
1,1-Dichloropropene	--	--	<0.54	<0.54	<0.54	<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6	<3.6	<3.6	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4	<4.4	<4.4	<4.4
Diisopropyl ether	--	--	<1.9	<1.9	<1.9	<1.9
Ethylbenzene	700	140	<0.32	<0.32	<0.32	<0.32
Hexachloro-1,3-butadiene	--	--	<1.5	<1.5	<1.5	<1.5
Isopropylbenzene (Cumene)	--	--	<1.7	<1.7	<1.7	<1.7
p-Isopropyltoluene	--	--	<0.80	<0.80	<0.80	<0.80
Methylene Chloride	5	0.5	<0.58	<0.58	<0.58	<0.58
Methyl-tert-butyl ether	60	12	<1.2	<1.2	<1.2	<1.2
Naphthalene	100	10	<1.2	<1.2	<1.2	<1.2
n-Propylbenzene	--	--	<0.81	<0.81	<0.81	<0.81
Styrene	100	10	<3.0	<3.0	<3.0	<3.0
1,1,1,2-Tetrachloroethane	70	7	<0.27	<0.27	<0.27	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28	<0.28	<0.28	<0.28
Tetrachloroethene	5	0.5	0.33 J	<0.33	<0.33	<0.33
Toluene	800	160	<0.27	<0.27	<0.27	<0.27
1,2,3-Trichlorobenzene	--	--	<2.2	<2.2	<2.2	<2.2
1,2,4-Trichlorobenzene	70	14	<0.95	<0.95	<0.95	<0.95
1,1,1-Trichloroethane	200	40	1.0	7.4	0.63 J	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55	<0.55	<0.55	<0.55
Trichloroethene	5	0.5	6.1	5.5	1.6	0.55 J
Trichlorofluoromethane	3490	698	<0.21	<0.21	<0.21	<0.21
1,2,3-Trichloropropane	60	12	<0.59	<0.59	<0.59	<0.59
1,2,4-Trimethylbenzene	480	96	<0.84	<0.84	<0.84	<0.84
1,3,5-Trimethylbenzene	480	96	<0.87	<0.87	<0.87	<0.87
Vinyl chloride	0.2	0.02	<0.17	<0.17	<0.17	<0.17
Xylene (Total)	2000	400	<1.5	<1.5	<1.5	<1.5
m&p-Xylene	--	--	<0.47	<0.47	<0.47	<0.47
o-Xylene	--	--	<0.26	<0.26	<0.26	<0.26
300.0 IC Anions (mg/L)						
Chloride	--	--	4.8 J	2250	229	136
353.2 Nitrogen, NO2/NO3 pres. (mg/L)						
Nitrogen, NO2 plus NO3	10	2	<0.059	<0.3	<0.059	<0.059
4500S2F Sulfide, Iodometric (mg/L)						
Sulfide	--	--	<1.2	<1.2	<1.2	<1.2
Methane, Ethane, Ethene GCV (ug/L)						
Ethane	--	--	<1.2	1.5 J	<1.2	<1.2
Ethene	--	--	<1.2	<1.2	<1.2	<1.2
Methane	--	--	17.1	18.0	0.95 J	4.3

Appendix B2
Groundwater Sample Results

Nov. 16-17, 2020

Analyte	NR140 ES	NR140 PAL	MW-6	MW-7	MW-8	MW-10	MW-11
			11/16/20	11/16/20	11/16/20	11/16/20	11/16/20
8260 MSV (ug/L)							
Benzene	5	0.5	<0.25	<0.25	<0.25	<0.25	<0.25
Bromobenzene	--	--	<0.24	<0.24	<0.24	<0.24	<0.24
Bromochloromethane	--	--	<0.36	<0.36	<0.36	<0.36	<0.36
Bromodichloromethane	0.6	0.06	<0.36	<0.36	<0.36	<0.36	<0.36
Bromoform	4.4	0.44	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	1	<0.97	<0.97	<0.97	<0.97	<0.97
n-Butylbenzene	--	--	<0.71	<0.71	<0.71	<0.71	<0.71
sec-Butylbenzene	--	--	<0.85	<0.85	<0.85	<0.85	<0.85
tert-Butylbenzene	--	--	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon tetrachloride	5	0.5	<1.1	<1.1	<1.1	<1.1	<1.1
Chlorobenzene	100	20	<0.71	<0.71	<0.71	<0.71	<0.71
Chloroethane	400	80	<1.3	<1.3	<1.3	<1.3	<1.3
Chloroform	6	0.6	<1.3	<1.3	<1.3	<1.3	<1.3
Chloromethane	30	3	<2.2	<2.2	<2.2	<2.2	<2.2
2-Chlorotoluene	--	--	<0.93	<0.93	<0.93	<0.93	<0.93
4-Chlorotoluene	--	--	<0.76	<0.76	<0.76	<0.76	<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8	<1.8	<1.8	<1.8	<1.8
Dibromochloromethane	60	6	<2.6	<2.6	<2.6	<2.6	<2.6
1,2-Dibromoethane (EDB)	0.05	0.005	<0.83	<0.83	<0.83	<0.83	<0.83
Dibromomethane	--	--	<0.94	<0.94	<0.94	<0.94	<0.94
1,2-Dichlorobenzene	600	60	<0.71	<0.71	<0.71	<0.71	<0.71
1,3-Dichlorobenzene	600	120	<0.63	<0.63	<0.63	<0.63	<0.63
1,4-Dichlorobenzene	75	15	<0.94	<0.94	<0.94	<0.94	<0.94
Dichlorodifluoromethane	1000	200	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.27	<0.27	5.7	<0.27	0.28 J
1,2-Dichloroethane	5	0.5	<0.28	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	7	0.7	<0.24	<0.24	2.1	<0.24	<0.24
cis-1,2-Dichloroethene	70	7	<0.27	<0.27	1.2	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	<0.46	<0.46	<0.46	<0.46	<0.46
1,2-Dichloropropane	5	0.5	<0.28	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane	--	--	<0.83	<0.83	<0.83	<0.83	<0.83
2,2-Dichloropropane	--	--	<2.3	<2.3	<2.3	<2.3	<2.3
1,1-Dichloropropene	--	--	<0.54	<0.54	<0.54	<0.54	<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6	<3.6	<3.6	<3.6	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4	<4.4	<4.4	<4.4	<4.4
Diisopropyl ether	--	--	<1.9	<1.9	<1.9	<1.9	<1.9
Ethylbenzene	700	140	<0.32	<0.32	<0.32	<0.32	<0.32
Hexachloro-1,3-butadiene	--	--	<1.5	<1.5	<1.5	<1.5	<1.5
Isopropylbenzene (Cumene)	--	--	<1.7	<1.7	<1.7	<1.7	<1.7
p-Isopropyltoluene	--	--	<0.80	<0.80	<0.80	<0.80	<0.80
Methylene Chloride	5	0.5	<0.58	<0.58	<0.58	<0.58	<0.58
Methyl-tert-butyl ether	60	12	<1.2	<1.2	<1.2	<1.2	<1.2
Naphthalene	100	10	<1.2	<1.2	<1.2	<1.2	<1.2
n-Propylbenzene	--	--	<0.81	<0.81	<0.81	<0.81	<0.81
Styrene	100	10	<3.0	<3.0	<3.0	<3.0	<3.0
1,1,1,2-Tetrachloroethane	70	7	<0.27	<0.27	<0.27	<0.27	<0.27
1,1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28	<0.28	<0.28	<0.28	<0.28
Tetrachloroethene	5	0.5	<0.33	<0.33	<0.33	<0.33	<0.33
Toluene	800	160	<0.27	<0.27	<0.27	<0.27	<0.27
1,2,3-Trichlorobenzene	--	--	<2.2	<2.2	<2.2	<2.2	<2.2
1,2,4-Trichlorobenzene	70	14	<0.95	<0.95	<0.95	<0.95	<0.95
1,1,1-Trichloroethane	200	40	<0.24	<0.24	1.2	<0.24	0.38 J
1,1,2-Trichloroethane	5	0.5	<0.55	<0.55	<0.55	<0.55	<0.55
Trichloroethene	5	0.5	<0.26	<0.26	2.0	<0.26	<0.26
Trichlorofluoromethane	3490	698	<0.21	<0.21	<0.21	<0.21	<0.21
1,2,3-Trichloropropane	60	12	<0.59	<0.59	<0.59	<0.59	<0.59
1,2,4-Trimethylbenzene	480	96	<0.84	<0.84	<0.84	<0.84	<0.84
1,3,5-Trimethylbenzene	480	96	<0.87	<0.87	<0.87	<0.87	<0.87
Vinyl chloride	0.2	0.02	<0.17	<0.17	<0.17	<0.17	<0.17
Xylene (Total)	2000	400	<1.5	<1.5	<1.5	<1.5	<1.5
m&p-Xylene	--	--	<0.47	<0.47	<0.47	<0.47	<0.47
o-Xylene	--	--	<0.26	<0.26	<0.26	<0.26	<0.26
300.0 IC Anions (mg/L)							
Chloride	--	--	22.5	17.8	5770	19.7	102
353.2 Nitrogen, NO2/NO3 pres. (mg/L)							
Nitrogen, NO2 plus NO3	10	2	<0.059	<0.059	<0.3	<0.059	<0.059
4500S2F Sulfide, Iodometric (mg/L)							
Sulfide	--	--	<1.2	<1.2	<1.2	<1.2	<1.2
Methane, Ethane, Ethene GCV (ug/L)							
Ethane	--	--	<1.2	<1.2	<1.2	<1.2	<1.2
Ethene	--	--	<1.2	<1.2	<1.2	<1.2	<1.2
Methane	--	--	<0.66	0.70 J	16.1	0.93 J	1.3 J

Appendix B2
Groundwater Sample Results

Nov. 16-17, 2020

Analyte	NR140 ES	NR140 PAL	MW-12	MW-13	MW-14	TB
			11/17/20	11/17/20	11/17/20	11/17/20
8260 MSV (ug/L)						
Benzene	5	0.5	<0.25	<0.25	<0.25	<0.25
Bromobenzene	--	--	<0.24	<0.24	<0.24	<0.24
Bromochloromethane	--	--	<0.36	<0.36	<0.36	<0.36
Bromodichloromethane	0.6	0.06	<0.36	<0.36	<0.36	<0.36
Bromoform	4.4	0.44	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	1	<0.97	<0.97	<0.97	<0.97
n-Butylbenzene	--	--	<0.71	<0.71	<0.71	<0.71
sec-Butylbenzene	--	--	<0.85	<0.85	<0.85	<0.85
tert-Butylbenzene	--	--	<0.30	<0.30	<0.30	<0.30
Carbon tetrachloride	5	0.5	<1.1	<1.1	<1.1	<1.1
Chlorobenzene	100	20	<0.71	<0.71	<0.71	<0.71
Chloroethane	400	80	<1.3	<1.3	<1.3	<1.3
Chloroform	6	0.6	<1.3	<1.3	<1.3	<1.3
Chloromethane	30	3	<2.2	<2.2	<2.2	<2.2
2-Chlorotoluene	--	--	<0.93	<0.93	<0.93	<0.93
4-Chlorotoluene	--	--	<0.76	<0.76	<0.76	<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8	<1.8	<1.8	<1.8
Dibromochloromethane	60	6	<2.6	<2.6	<2.6	<2.6
1,2-Dibromoethane (EDB)	0.05	0.005	<0.83	<0.83	<0.83	<0.83
Dibromomethane	--	--	<0.94	<0.94	<0.94	<0.94
1,2-Dichlorobenzene	600	60	<0.71	<0.71	<0.71	<0.71
1,3-Dichlorobenzene	600	120	<0.63	<0.63	<0.63	<0.63
1,4-Dichlorobenzene	75	15	<0.94	<0.94	<0.94	<0.94
Dichlorodifluoromethane	1000	200	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.27	<0.27	<0.27	<0.27
1,2-Dichloroethane	5	0.5	<0.28	<0.28	<0.28	<0.28
1,1-Dichloroethene	7	0.7	<0.24	<0.24	<0.24	<0.24
cis-1,2-Dichloroethene	70	7	<0.27	<0.27	5.3	<0.27
trans-1,2-Dichloroethene	100	20	<0.46	<0.46	<0.46	<0.46
1,2-Dichloropropane	5	0.5	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane	--	--	<0.83	<0.83	<0.83	<0.83
2,2-Dichloropropane	--	--	<2.3	<2.3	<2.3	<2.3
1,1-Dichloropropene	--	--	<0.54	<0.54	<0.54	<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6	<3.6	<3.6	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4	<4.4	<4.4	<4.4
Diisopropyl ether	--	--	<1.9	<1.9	<1.9	<1.9
Ethylbenzene	700	140	<0.32	<0.32	<0.32	<0.32
Hexachloro-1,3-butadiene	--	--	<1.5	<1.5	<1.5	<1.5
Isopropylbenzene (Cumene)	--	--	<1.7	<1.7	<1.7	<1.7
p-Isopropyltoluene	--	--	<0.80	<0.80	<0.80	<0.80
Methylene Chloride	5	0.5	<0.58	<0.58	<0.58	<0.58
Methyl-tert-butyl ether	60	12	<1.2	<1.2	<1.2	<1.2
Naphthalene	100	10	<1.2	<1.2	<1.2	<1.2
n-Propylbenzene	--	--	<0.81	<0.81	<0.81	<0.81
Styrene	100	10	<3.0	<3.0	<3.0	<3.0
1,1,1,2-Tetrachloroethane	70	7	<0.27	<0.27	<0.27	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28	<0.28	<0.28	<0.28
Tetrachloroethene	5	0.5	<0.33	<0.33	<0.33	<0.33
Toluene	800	160	<0.27	<0.27	<0.27	<0.27
1,2,3-Trichlorobenzene	--	--	<2.2	<2.2	<2.2	<2.2
1,2,4-Trichlorobenzene	70	14	<0.95	<0.95	<0.95	<0.95
1,1,1-Trichloroethane	200	40	<0.24	<0.24	<0.24	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55	<0.55	<0.55	<0.55
Trichloroethene	5	0.5	<0.26	<0.26	5.4	<0.26
Trichlorofluoromethane	3490	698	<0.21	<0.21	<0.21	<0.21
1,2,3-Trichloropropane	60	12	<0.59	<0.59	<0.59	<0.59
1,2,4-Trimethylbenzene	480	96	<0.84	<0.84	<0.84	<0.84
1,3,5-Trimethylbenzene	480	96	<0.87	<0.87	<0.87	<0.87
Vinyl chloride	0.2	0.02	<0.17	<0.17	<0.17	<0.17
Xylene (Total)	2000	400	<1.5	<1.5	<1.5	<1.5
m&p-Xylene	--	--	<0.47	<0.47	<0.47	<0.47
o-Xylene	--	--	<0.26	<0.26	<0.26	<0.26
300.0 IC Anions (mg/L)						
Chloride	--	--	12.6	9.7 J	2.6	NA
353.2 Nitrogen, NO2/NO3 pres. (mg/L)						
Nitrogen, NO2 plus NO3	10	2	0.14J	1.1	0.79	NA
4500S2F Sulfide, Iodometric (mg/L)						
Sulfide	--	--	<1.2	<1.2	<1.2	NA
Methane, Ethane, Ethene GCV (ug/L)						
Ethane	--	--	<1.2	<1.2	<1.2	NA
Ethene	--	--	<1.2	<1.2	<1.2	NA
Methane	--	--	3.0	2.4 J	0.87 J	NA

Appendix B2
Groundwater Sample Results

Nov. 16-17, 2020

Analyte	NR140 ES	NR140 PAL	PZ-MW1A	PZ-MW1B	PZ-MW1C	PZ-2	PZ-3
			11/17/20	11/17/20	11/17/20	11/16/20	11/17/20
8260 MSV (ug/L)							
Benzene	5	0.5	<0.25	0.44 J	0.43 J	<0.25	<2.5
Bromobenzene	--	--	<0.24	<0.24	<0.24	<0.24	<2.4
Bromochloromethane	--	--	<0.36	<0.36	<0.36	<0.36	<3.6
Bromodichloromethane	0.6	0.06	<0.36	<0.36	<0.36	<0.36	<3.6
Bromoform	4.4	0.44	<4.0	<4.0	<4.0	<4.0	<39.7
Bromomethane	10	1	<0.97	<0.97	<0.97	<0.97	<9.7
n-Butylbenzene	--	--	<0.71	<0.71	<0.71	<0.71	<7.1
sec-Butylbenzene	--	--	<0.85	<0.85	<0.85	<0.85	<8.5
tert-Butylbenzene	--	--	<0.30	<0.30	<0.30	<0.30	<3.0
Carbon tetrachloride	5	0.5	<1.1	<1.1	<1.1	<1.1	<10.8
Chlorobenzene	100	20	<0.71	<0.71	<0.71	<0.71	<7.1
Chloroethane	400	80	<1.3	<1.3	5.0 J	<1.3	<13.4
Chloroform	6	0.6	<1.3	<1.3	<1.3	<1.3	<12.7
Chloromethane	30	3	<2.2	<2.2	<2.2	<2.2	<21.9
2-Chlorotoluene	--	--	<0.93	<0.93	<0.93	<0.93	<9.3
4-Chlorotoluene	--	--	<0.76	<0.76	<0.76	<0.76	<7.6
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8	<1.8	<1.8	<1.8	<17.6
Dibromochloromethane	60	6	<2.6	<2.6	<2.6	<2.6	<26.0
1,2-Dibromoethane (EDB)	0.05	0.005	<0.83	<0.83	<0.83	<0.83	<8.3
Dibromomethane	--	--	<0.94	<0.94	<0.94	<0.94	<9.4
1,2-Dichlorobenzene	600	60	<0.71	<0.71	<0.71	<0.71	<7.1
1,3-Dichlorobenzene	600	120	<0.63	<0.63	<0.63	<0.63	<6.3
1,4-Dichlorobenzene	75	15	<0.94	<0.94	<0.94	<0.94	<9.4
Dichlorodifluoromethane	1000	200	<0.50	<0.50	<0.50	<0.50	<5.0
1,1-Dichloroethane	850	85	206	506	3210	3.3	1160
1,2-Dichloroethane	5	0.5	<0.28	0.82 J	10.1	<0.28	<2.8
1,1-Dichloroethene	7	0.7	21.7	13.2	146	0.44 J	27.6
cis-1,2-Dichloroethene	70	7	19.9	34.6	20.0	1.1	42.5
trans-1,2-Dichloroethene	100	20	<0.46	0.90 J	0.53 J	<0.46	<4.6
1,2-Dichloropropane	5	0.5	<0.28	<0.28	<0.28	<0.28	<2.8
1,3-Dichloropropane	--	--	<0.83	<0.83	<0.83	<0.83	<8.3
2,2-Dichloropropane	--	--	<2.3	<2.3	<2.3	<2.3	<22.7
1,1-Dichloropropene	--	--	<0.54	<0.54	<0.54	<0.54	<5.4
cis-1,3-Dichloropropene	0.4	0.04	<3.6	<3.6	<3.6	<3.6	<36.3
trans-1,3-Dichloropropene	0.4	0.04	<4.4	<4.4	<4.4	<4.4	<43.7
Diisopropyl ether	--	--	<1.9	<1.9	<1.9	<1.9	<18.9
Ethylbenzene	700	140	<0.32	<0.32	<0.32	<0.32	<3.2
Hexachloro-1,3-butadiene	--	--	<1.5	<1.5	<1.5	<1.5	<14.6
Isopropylbenzene (Cumene)	--	--	<1.7	<1.7	<1.7	<1.7	<16.9
p-Isopropyltoluene	--	--	<0.80	<0.80	<0.80	<0.80	<8.0
Methylene Chloride	5	0.5	<0.58	<0.58	<0.58	<0.58	<5.8
Methyl-tert-butyl ether	60	12	<1.2	<1.2	<1.2	<1.2	<12.5
Naphthalene	100	10	<1.2	<1.2	<1.2	<1.2	<11.8
n-Propylbenzene	--	--	<0.81	<0.81	<0.81	<0.81	<8.1
Styrene	100	10	<3.0	<3.0	<3.0	<3.0	<30.1
1,1,1,2-Tetrachloroethane	70	7	<0.27	<0.27	<0.27	<0.27	<2.7
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28	<0.28	<0.28	<0.28	<2.8
Tetrachloroethene	5	0.5	<0.33	<0.33	<0.33	<0.33	<3.3
Toluene	800	160	<0.27	<0.27	<0.27	<0.27	<2.7
1,2,3-Trichlorobenzene	--	--	<2.2	<2.2	<2.2	<2.2	<22.1
1,2,4-Trichlorobenzene	70	14	<0.95	<0.95	<0.95	<0.95	<9.5
1,1,1-Trichloroethane	200	40	<0.24	<0.24	<0.24	0.44 J	<2.4
1,1,2-Trichloroethane	5	0.5	<0.55	<0.55	<0.55	<0.55	<5.5
Trichloroethene	5	0.5	5.9	39.8	48.9	0.56 J	10.8
Trichlorofluoromethane	3490	698	<0.21	<0.21	<0.21	<0.21	<2.1
1,2,3-Trichloropropane	60	12	<0.59	<0.59	<0.59	<0.59	<5.9
1,2,4-Trimethylbenzene	480	96	<0.84	<0.84	<0.84	<0.84	<8.4
1,3,5-Trimethylbenzene	480	96	<0.87	<0.87	<0.87	<0.87	<8.7
Vinyl chloride	0.2	0.02	0.70 J	1.5	7.9	<0.17	<1.7
Xylene (Total)	2000	400	<1.5	<1.5	<1.5	<1.5	<15.0
m&p-Xylene	--	--	<0.47	<0.47	<0.47	<0.47	<4.7
o-Xylene	--	--	<0.26	<0.26	<0.26	<0.26	<2.6
300.0 IC Anions (mg/L)							
Chloride	--	--	158	40.5	60	2140	32.2
353.2 Nitrogen, NO2/NO3 pres. (mg/L)							
Nitrogen, NO2 plus NO3	10	2	<0.059	<0.059	<0.059	0.086 J	<0.059
4500S2F Sulfide, Iodometric (mg/L)							
Sulfide	--	--	<1.2	<1.2	<1.2	<1.2	<1.2
Methane, Ethane, Ethene GCV (ug/L)							
Ethane	--	--	<1.2	2.0 J	1.9 J	<1.2	<1.2
Ethene	--	--	<1.2	1.3 J	1.8 J	<1.2	<1.2
Methane	--	--	1.4 J	8.2	7.4	9.2	6.1

December 07, 2020

Gary Braun
AECOM
1555 N. RiverCenter Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Dear Gary Braun:

Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40218620001	MW-11	Water	11/16/20 10:15	11/18/20 13:45
40218620002	PZ-2	Water	11/16/20 11:20	11/18/20 13:45
40218620003	MW-10	Water	11/16/20 11:25	11/18/20 13:45
40218620004	MW-4	Water	11/16/20 12:00	11/18/20 13:45
40218620005	MW-8	Water	11/16/20 12:45	11/18/20 13:45
40218620006	MW-3	Water	11/16/20 13:00	11/18/20 13:45
40218620007	MW-6	Water	11/16/20 01:55	11/18/20 13:45
40218620008	MW-7	Water	11/16/20 14:00	11/18/20 13:45
40218620009	MW-1C	Water	11/17/20 01:05	11/18/20 13:45
40218620010	MW-1A	Water	11/17/20 14:15	11/18/20 13:45
40218620011	MW-1B	Water	11/17/20 14:00	11/18/20 13:45
40218620012	MW-5	Water	11/17/20 09:50	11/18/20 13:45
40218620013	MW-13	Water	11/17/20 14:40	11/18/20 13:45
40218622001	MW-12	Water	11/17/20 10:30	11/18/20 13:45
40218622002	PZ-3	Water	11/17/20 12:50	11/18/20 13:45
40218622003	MW-14	Water	11/17/20 11:50	11/18/20 13:45
40218622004	MW-1	Water	11/17/20 11:05	11/18/20 13:45
40218622005	TB	Water	11/17/20 00:00	11/18/20 13:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40218620001	MW-11	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620002	PZ-2	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620003	MW-10	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620004	MW-4	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620005	MW-8	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620006	MW-3	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620007	MW-6	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40218620008	MW-7	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40218620009	MW-1C	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
40218620010	MW-1A	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
40218620011	MW-1B	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
40218620012	MW-5	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
40218620013	MW-13	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
40218622001	MW-12	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
40218622002	PZ-3	SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40218622003	MW-14	EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	HNW	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
40218622004	MW-1	EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	65	PASI-G
		SM 4500-S F (2000)	DEY	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
40218622005	TB	EPA 353.2	DAW	1	PASI-G
		EPA 8260	LAP	65	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40218620001	MW-11					
EPA 8015B Modified	Methane	1.3J	ug/L	2.8	11/19/20 11:37	
EPA 8260	1,1-Dichloroethane	0.28J	ug/L	1.0	11/20/20 14:15	
EPA 8260	1,1,1-Trichloroethane	0.38J	ug/L	1.0	11/20/20 14:15	
EPA 300.0	Chloride	102	mg/L	10.0	12/04/20 11:20	
40218620002	PZ-2					
EPA 8015B Modified	Methane	9.2	ug/L	2.8	11/19/20 11:44	
EPA 8260	1,1-Dichloroethane	3.3	ug/L	1.0	11/20/20 14:34	
EPA 8260	1,1-Dichloroethene	0.44J	ug/L	1.0	11/20/20 14:34	
EPA 8260	cis-1,2-Dichloroethene	1.1	ug/L	1.0	11/20/20 14:34	
EPA 8260	1,1,1-Trichloroethane	0.44J	ug/L	1.0	11/20/20 14:34	
EPA 8260	Trichloroethene	0.56J	ug/L	1.0	11/20/20 14:34	
EPA 300.0	Chloride	2140	mg/L	200	12/04/20 12:05	
EPA 353.2	Nitrogen, NO2 plus NO3	0.086J	mg/L	0.25	11/30/20 11:13	
40218620003	MW-10					
EPA 8015B Modified	Methane	0.93J	ug/L	2.8	11/19/20 11:51	
EPA 300.0	Chloride	19.7	mg/L	2.0	12/04/20 04:02	
40218620004	MW-4					
EPA 8015B Modified	Methane	0.95J	ug/L	2.8	11/19/20 11:58	
EPA 8260	1,1-Dichloroethane	0.99J	ug/L	1.0	11/20/20 15:13	
EPA 8260	1,1,1-Trichloroethane	0.63J	ug/L	1.0	11/20/20 15:13	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	11/20/20 15:13	
EPA 300.0	Chloride	229	mg/L	10.0	12/04/20 04:17	
40218620005	MW-8					
EPA 8015B Modified	Methane	16.1	ug/L	2.8	11/19/20 12:05	
EPA 8260	1,1-Dichloroethane	5.7	ug/L	1.0	11/20/20 15:33	
EPA 8260	1,1-Dichloroethene	2.1	ug/L	1.0	11/20/20 15:33	
EPA 8260	cis-1,2-Dichloroethene	1.2	ug/L	1.0	11/20/20 15:33	
EPA 8260	1,1,1-Trichloroethane	1.2	ug/L	1.0	11/20/20 15:33	
EPA 8260	Trichloroethene	2.0	ug/L	1.0	11/20/20 15:33	
EPA 300.0	Chloride	5770	mg/L	1000	12/04/20 12:20	
40218620006	MW-3					
EPA 8015B Modified	Ethane	1.5J	ug/L	5.6	11/19/20 12:12	
EPA 8015B Modified	Methane	18.0	ug/L	2.8	11/19/20 12:12	
EPA 8260	1,1-Dichloroethane	19.4	ug/L	1.0	11/20/20 15:52	
EPA 8260	1,1-Dichloroethene	8.9	ug/L	1.0	11/20/20 15:52	
EPA 8260	cis-1,2-Dichloroethene	1.7	ug/L	1.0	11/20/20 15:52	
EPA 8260	1,1,1-Trichloroethane	7.4	ug/L	1.0	11/20/20 15:52	
EPA 8260	Trichloroethene	5.5	ug/L	1.0	11/20/20 15:52	
EPA 300.0	Chloride	2250	mg/L	200	12/04/20 12:35	
40218620007	MW-6					
EPA 300.0	Chloride	22.5	mg/L	2.0	12/04/20 05:02	
40218620008	MW-7					
EPA 8015B Modified	Methane	0.70J	ug/L	2.8	11/19/20 12:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40218620008	MW-7					
EPA 300.0	Chloride	17.8	mg/L	10.0	12/04/20 05:17	
40218620009	MW-1C					
EPA 8015B Modified	Ethane	1.9J	ug/L	5.6	11/20/20 09:16	
EPA 8015B Modified	Ethene	1.8J	ug/L	5.0	11/20/20 09:16	
EPA 8015B Modified	Methane	7.4	ug/L	2.8	11/20/20 09:16	
EPA 8260	Benzene	0.43J	ug/L	1.0	11/20/20 16:50	
EPA 8260	Chloroethane	5.0J	ug/L	5.0	11/20/20 16:50	
EPA 8260	1,1-Dichloroethane	3210	ug/L	50.0	11/23/20 08:43	
EPA 8260	1,2-Dichloroethane	10.1	ug/L	1.0	11/20/20 16:50	
EPA 8260	1,1-Dichloroethene	146	ug/L	1.0	11/20/20 16:50	
EPA 8260	cis-1,2-Dichloroethene	20.0	ug/L	1.0	11/20/20 16:50	
EPA 8260	trans-1,2-Dichloroethene	0.53J	ug/L	1.5	11/20/20 16:50	
EPA 8260	Trichloroethene	48.9	ug/L	1.0	11/20/20 16:50	
EPA 8260	Vinyl chloride	7.9	ug/L	1.0	11/20/20 16:50	
EPA 300.0	Chloride	60.0	mg/L	2.0	12/04/20 05:31	
40218620010	MW-1A					
EPA 8015B Modified	Methane	1.4J	ug/L	2.8	11/20/20 09:23	
EPA 8260	1,1-Dichloroethane	206	ug/L	1.0	11/20/20 17:10	
EPA 8260	1,1-Dichloroethene	21.7	ug/L	1.0	11/20/20 17:10	
EPA 8260	cis-1,2-Dichloroethene	19.9	ug/L	1.0	11/20/20 17:10	
EPA 8260	Trichloroethene	5.9	ug/L	1.0	11/20/20 17:10	
EPA 8260	Vinyl chloride	0.70J	ug/L	1.0	11/20/20 17:10	
EPA 300.0	Chloride	158	mg/L	20.0	12/05/20 04:43	M0
40218620011	MW-1B					
EPA 8015B Modified	Ethane	2.0J	ug/L	5.6	11/20/20 09:30	
EPA 8015B Modified	Ethene	1.3J	ug/L	5.0	11/20/20 09:30	
EPA 8015B Modified	Methane	8.2	ug/L	2.8	11/20/20 09:30	
EPA 8260	Benzene	0.44J	ug/L	1.0	11/20/20 17:29	
EPA 8260	1,1-Dichloroethane	506	ug/L	10.0	11/23/20 09:03	
EPA 8260	1,2-Dichloroethane	0.82J	ug/L	1.0	11/20/20 17:29	
EPA 8260	1,1-Dichloroethene	13.2	ug/L	1.0	11/20/20 17:29	
EPA 8260	cis-1,2-Dichloroethene	34.6	ug/L	1.0	11/20/20 17:29	
EPA 8260	trans-1,2-Dichloroethene	0.90J	ug/L	1.5	11/20/20 17:29	
EPA 8260	Trichloroethene	39.8	ug/L	1.0	11/20/20 17:29	
EPA 8260	Vinyl chloride	1.5	ug/L	1.0	11/20/20 17:29	
EPA 300.0	Chloride	40.5	mg/L	2.0	12/04/20 14:48	
40218620012	MW-5					
EPA 8015B Modified	Methane	4.3	ug/L	2.8	11/20/20 09:37	
EPA 8260	Trichloroethene	0.55J	ug/L	1.0	11/23/20 08:04	
EPA 300.0	Chloride	136	mg/L	10.0	12/04/20 15:03	
40218620013	MW-13					
EPA 8015B Modified	Methane	2.4J	ug/L	2.8	11/20/20 09:44	
EPA 300.0	Chloride	9.7J	mg/L	10.0	12/04/20 15:18	B,D3
EPA 353.2	Nitrogen, NO2 plus NO3	1.1	mg/L	0.25	11/30/20 11:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40218622001	MW-12					
EPA 8015B Modified	Methane	3.0	ug/L	2.8	11/20/20 09:51	
EPA 300.0	Chloride	12.6	mg/L	10.0	12/04/20 15:33	B
EPA 353.2	Nitrogen, NO2 plus NO3	0.14J	mg/L	0.25	11/30/20 11:24	
40218622002	PZ-3					
EPA 8015B Modified	Methane	6.1	ug/L	2.8	11/20/20 09:57	
EPA 8260	1,1-Dichloroethane	1160	ug/L	10.0	11/20/20 09:04	
EPA 8260	1,1-Dichloroethene	27.6	ug/L	10.0	11/20/20 09:04	
EPA 8260	cis-1,2-Dichloroethene	42.5	ug/L	10.0	11/20/20 09:04	
EPA 8260	Trichloroethene	10.8	ug/L	10.0	11/20/20 09:04	
EPA 300.0	Chloride	32.2	mg/L	2.0	12/04/20 15:48	
40218622003	MW-14					
EPA 8015B Modified	Methane	0.87J	ug/L	2.8	11/20/20 10:04	
EPA 8260	cis-1,2-Dichloroethene	5.3	ug/L	1.0	11/19/20 14:11	
EPA 8260	Trichloroethene	5.4	ug/L	1.0	11/19/20 14:11	
EPA 300.0	Chloride	2.6	mg/L	2.0	12/04/20 16:47	B
EPA 353.2	Nitrogen, NO2 plus NO3	0.79	mg/L	0.25	11/30/20 11:28	
40218622004	MW-1					
EPA 8015B Modified	Methane	17.1	ug/L	2.8	11/20/20 10:26	
EPA 8260	cis-1,2-Dichloroethene	0.31J	ug/L	1.0	11/20/20 16:58	
EPA 8260	Tetrachloroethene	0.33J	ug/L	1.1	11/20/20 16:58	
EPA 8260	1,1,1-Trichloroethane	1.0	ug/L	1.0	11/20/20 16:58	
EPA 8260	Trichloroethene	6.1	ug/L	1.0	11/20/20 16:58	
EPA 300.0	Chloride	4.8J	mg/L	10.0	12/04/20 17:02	B,D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-11 **Lab ID: 40218620001** Collected: 11/16/20 10:15 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 11:37	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 11:37	74-85-1	
Methane	1.3J	ug/L	2.8	0.66	1		11/19/20 11:37	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 14:15	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 14:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 14:15	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 14:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 14:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 14:15	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:15	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 14:15	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 14:15	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 14:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 14:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 14:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 14:15	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 14:15	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 14:15	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 14:15	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 14:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 14:15	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 14:15	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:15	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 14:15	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 14:15	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 14:15	75-71-8	
1,1-Dichloroethane	0.28J	ug/L	1.0	0.27	1		11/20/20 14:15	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:15	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 14:15	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 14:15	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 14:15	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:15	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 14:15	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 14:15	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 14:15	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 14:15	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 14:15	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 14:15	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 14:15	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 14:15	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 14:15	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-11 Lab ID: 40218620001 Collected: 11/16/20 10:15 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 14:15	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 14:15	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 14:15	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 14:15	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 14:15	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 14:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 14:15	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:15	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 14:15	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 14:15	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 14:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 14:15	120-82-1	
1,1,1-Trichloroethane	0.38J	ug/L	1.0	0.24	1		11/20/20 14:15	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 14:15	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/20/20 14:15	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 14:15	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 14:15	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 14:15	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 14:15	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 14:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 14:15	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 14:15	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 14:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		11/20/20 14:15	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/20/20 14:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/20/20 14:15	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:38		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	102	mg/L	10.0	2.2	5		12/04/20 11:20	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:13		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: PZ-2 **Lab ID: 40218620002** Collected: 11/16/20 11:20 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 11:44	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 11:44	74-85-1	
Methane	9.2	ug/L	2.8	0.66	1		11/19/20 11:44	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 14:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 14:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 14:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 14:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 14:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 14:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 14:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 14:34	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 14:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 14:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 14:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 14:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 14:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 14:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 14:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 14:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 14:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 14:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 14:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 14:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 14:34	75-71-8	
1,1-Dichloroethane	3.3	ug/L	1.0	0.27	1		11/20/20 14:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:34	107-06-2	
1,1-Dichloroethene	0.44J	ug/L	1.0	0.24	1		11/20/20 14:34	75-35-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.27	1		11/20/20 14:34	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 14:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 14:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 14:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 14:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 14:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 14:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 14:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 14:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 14:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 14:34	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: PZ-2 **Lab ID: 40218620002** Collected: 11/16/20 11:20 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 14:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 14:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 14:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 14:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 14:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 14:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 14:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 14:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 14:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 14:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 14:34	120-82-1	
1,1,1-Trichloroethane	0.44J	ug/L	1.0	0.24	1		11/20/20 14:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 14:34	79-00-5	
Trichloroethene	0.56J	ug/L	1.0	0.26	1		11/20/20 14:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 14:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 14:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 14:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 14:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 14:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 14:34	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 14:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 14:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/20/20 14:34	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/20/20 14:34	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		11/20/20 14:34	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:40		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	2140	mg/L	200	43.1	100		12/04/20 12:05	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.086J	mg/L	0.25	0.059	1		11/30/20 11:13		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-10 **Lab ID: 40218620003** Collected: 11/16/20 11:25 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 11:51	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 11:51	74-85-1	
Methane	0.93J	ug/L	2.8	0.66	1		11/19/20 11:51	74-82-8	
8260 MSV									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 14:54	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 14:54	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 14:54	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 14:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 14:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 14:54	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:54	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 14:54	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 14:54	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 14:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 14:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 14:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 14:54	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 14:54	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 14:54	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 14:54	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 14:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 14:54	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 14:54	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 14:54	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 14:54	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 14:54	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 14:54	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 14:54	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:54	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 14:54	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 14:54	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 14:54	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:54	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 14:54	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 14:54	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 14:54	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 14:54	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 14:54	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 14:54	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 14:54	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 14:54	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 14:54	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-10 Lab ID: 40218620003 Collected: 11/16/20 11:25 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 14:54	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 14:54	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 14:54	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 14:54	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 14:54	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 14:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 14:54	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 14:54	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 14:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 14:54	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 14:54	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 14:54	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 14:54	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 14:54	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/20/20 14:54	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 14:54	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 14:54	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 14:54	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 14:54	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 14:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 14:54	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 14:54	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 14:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/20/20 14:54	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/20/20 14:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/20/20 14:54	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:41		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	19.7	mg/L	2.0	0.43	1		12/04/20 04:02	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:14		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-4 **Lab ID: 40218620004** Collected: 11/16/20 12:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 11:58	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 11:58	74-85-1	
Methane	0.95J	ug/L	2.8	0.66	1		11/19/20 11:58	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 15:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 15:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 15:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 15:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 15:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 15:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 15:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 15:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 15:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 15:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 15:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 15:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 15:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 15:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 15:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 15:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 15:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 15:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 15:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 15:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 15:13	75-71-8	
1,1-Dichloroethane	0.99J	ug/L	1.0	0.27	1		11/20/20 15:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 15:13	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 15:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 15:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 15:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 15:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 15:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 15:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 15:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 15:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 15:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 15:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 15:13	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-4 **Lab ID: 40218620004** Collected: 11/16/20 12:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 15:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 15:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 15:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 15:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 15:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 15:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 15:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 15:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 15:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 15:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 15:13	120-82-1	
1,1,1-Trichloroethane	0.63J	ug/L	1.0	0.24	1		11/20/20 15:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 15:13	79-00-5	
Trichloroethene	1.6	ug/L	1.0	0.26	1		11/20/20 15:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 15:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 15:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 15:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 15:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 15:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 15:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 15:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 15:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/20/20 15:13	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/20/20 15:13	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/20/20 15:13	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:42		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	229	mg/L	10.0	2.2	5		12/04/20 04:17	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:15		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-8 **Lab ID: 40218620005** Collected: 11/16/20 12:45 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 12:05	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 12:05	74-85-1	
Methane	16.1	ug/L	2.8	0.66	1		11/19/20 12:05	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 15:33	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 15:33	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 15:33	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 15:33	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 15:33	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 15:33	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:33	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 15:33	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 15:33	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 15:33	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:33	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 15:33	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 15:33	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 15:33	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 15:33	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 15:33	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 15:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 15:33	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 15:33	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:33	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 15:33	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 15:33	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 15:33	75-71-8	
1,1-Dichloroethane	5.7	ug/L	1.0	0.27	1		11/20/20 15:33	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:33	107-06-2	
1,1-Dichloroethene	2.1	ug/L	1.0	0.24	1		11/20/20 15:33	75-35-4	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.27	1		11/20/20 15:33	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 15:33	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:33	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 15:33	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 15:33	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 15:33	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 15:33	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 15:33	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 15:33	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 15:33	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 15:33	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 15:33	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-8 **Lab ID: 40218620005** Collected: 11/16/20 12:45 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 15:33	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 15:33	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 15:33	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 15:33	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 15:33	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:33	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 15:33	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 15:33	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 15:33	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 15:33	120-82-1	
1,1,1-Trichloroethane	1.2	ug/L	1.0	0.24	1		11/20/20 15:33	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 15:33	79-00-5	
Trichloroethene	2.0	ug/L	1.0	0.26	1		11/20/20 15:33	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 15:33	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 15:33	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 15:33	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 15:33	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 15:33	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 15:33	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 15:33	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 15:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/20/20 15:33	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/20/20 15:33	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/20/20 15:33	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		11/19/20 16:17		D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	5770	mg/L	1000	216	500		12/04/20 12:20	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.30	mg/L	1.2	0.30	5		11/30/20 12:47		D3

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-3 **Lab ID: 40218620006** Collected: 11/16/20 13:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	1.5J	ug/L	5.6	1.2	1		11/19/20 12:12	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 12:12	74-85-1	
Methane	18.0	ug/L	2.8	0.66	1		11/19/20 12:12	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 15:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 15:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 15:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 15:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 15:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 15:52	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:52	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 15:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 15:52	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 15:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 15:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 15:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 15:52	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 15:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 15:52	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 15:52	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 15:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 15:52	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 15:52	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 15:52	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 15:52	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 15:52	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 15:52	75-71-8	
1,1-Dichloroethane	19.4	ug/L	1.0	0.27	1		11/20/20 15:52	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:52	107-06-2	
1,1-Dichloroethene	8.9	ug/L	1.0	0.24	1		11/20/20 15:52	75-35-4	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.27	1		11/20/20 15:52	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 15:52	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:52	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 15:52	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 15:52	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 15:52	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 15:52	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 15:52	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 15:52	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 15:52	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 15:52	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 15:52	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-3 **Lab ID: 40218620006** Collected: 11/16/20 13:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 15:52	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 15:52	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 15:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 15:52	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 15:52	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 15:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 15:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 15:52	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 15:52	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 15:52	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 15:52	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 15:52	120-82-1	
1,1,1-Trichloroethane	7.4	ug/L	1.0	0.24	1		11/20/20 15:52	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 15:52	79-00-5	
Trichloroethene	5.5	ug/L	1.0	0.26	1		11/20/20 15:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 15:52	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 15:52	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 15:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 15:52	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 15:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 15:52	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 15:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 15:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/20/20 15:52	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/20/20 15:52	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/20/20 15:52	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:51		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	2250	mg/L	200	43.1	100		12/04/20 12:35	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.30	mg/L	1.2	0.30	5		11/30/20 12:47		D3

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-6 **Lab ID: 40218620007** Collected: 11/16/20 01:55 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 12:19	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 12:19	74-85-1	
Methane	<0.66	ug/L	2.8	0.66	1		11/19/20 12:19	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 16:11	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:11	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 16:11	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 16:11	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 16:11	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 16:11	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:11	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 16:11	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 16:11	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 16:11	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:11	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 16:11	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 16:11	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 16:11	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 16:11	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 16:11	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 16:11	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 16:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 16:11	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 16:11	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:11	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 16:11	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 16:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 16:11	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:11	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:11	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:11	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:11	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 16:11	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:11	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 16:11	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 16:11	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 16:11	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 16:11	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 16:11	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 16:11	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 16:11	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 16:11	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 16:11	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-6 **Lab ID: 40218620007** Collected: 11/16/20 01:55 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 16:11	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 16:11	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 16:11	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 16:11	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 16:11	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 16:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:11	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 16:11	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:11	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 16:11	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 16:11	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 16:11	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 16:11	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:11	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 16:11	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 16:11	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 16:11	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 16:11	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 16:11	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 16:11	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 16:11	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/20/20 16:11	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/20/20 16:11	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/20/20 16:11	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:52		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	22.5	mg/L	2.0	0.43	1		12/04/20 05:02	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-7 **Lab ID: 40218620008** Collected: 11/16/20 14:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/19/20 12:26	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/19/20 12:26	74-85-1	
Methane	0.70J	ug/L	2.8	0.66	1		11/19/20 12:26	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 16:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 16:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 16:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 16:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 16:31	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:31	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 16:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 16:31	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 16:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 16:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 16:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 16:31	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 16:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 16:31	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 16:31	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 16:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 16:31	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 16:31	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:31	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 16:31	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 16:31	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 16:31	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:31	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:31	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:31	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:31	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 16:31	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:31	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 16:31	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 16:31	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 16:31	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 16:31	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 16:31	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 16:31	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 16:31	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 16:31	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 16:31	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-7 **Lab ID: 40218620008** Collected: 11/16/20 14:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 16:31	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 16:31	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 16:31	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 16:31	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 16:31	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 16:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:31	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 16:31	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:31	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 16:31	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 16:31	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 16:31	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 16:31	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 16:31	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 16:31	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 16:31	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 16:31	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 16:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 16:31	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 16:31	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/20/20 16:31	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/20/20 16:31	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/20/20 16:31	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:55		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	17.8	mg/L	10.0	2.2	5		12/04/20 05:17	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:19		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-1C **Lab ID: 40218620009** Collected: 11/17/20 01:05 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	1.9J	ug/L	5.6	1.2	1		11/20/20 09:16	74-84-0	
Ethene	1.8J	ug/L	5.0	1.2	1		11/20/20 09:16	74-85-1	
Methane	7.4	ug/L	2.8	0.66	1		11/20/20 09:16	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	0.43J	ug/L	1.0	0.25	1		11/20/20 16:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 16:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 16:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 16:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 16:50	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:50	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 16:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 16:50	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 16:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:50	108-90-7	
Chloroethane	5.0J	ug/L	5.0	1.3	1		11/20/20 16:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 16:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 16:50	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 16:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 16:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 16:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 16:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 16:50	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 16:50	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:50	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 16:50	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 16:50	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 16:50	75-71-8	
1,1-Dichloroethane	3210	ug/L	50.0	13.6	50		11/23/20 08:43	75-34-3	
1,2-Dichloroethane	10.1	ug/L	1.0	0.28	1		11/20/20 16:50	107-06-2	
1,1-Dichloroethene	146	ug/L	1.0	0.24	1		11/20/20 16:50	75-35-4	
cis-1,2-Dichloroethene	20.0	ug/L	1.0	0.27	1		11/20/20 16:50	156-59-2	
trans-1,2-Dichloroethene	0.53J	ug/L	1.5	0.46	1		11/20/20 16:50	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:50	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 16:50	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 16:50	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 16:50	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 16:50	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 16:50	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 16:50	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 16:50	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 16:50	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 16:50	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-1C **Lab ID: 40218620009** Collected: 11/17/20 01:05 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 16:50	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 16:50	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 16:50	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 16:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 16:50	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:50	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 16:50	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:50	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 16:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 16:50	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 16:50	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 16:50	79-00-5	
Trichloroethene	48.9	ug/L	1.0	0.26	1		11/20/20 16:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 16:50	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 16:50	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 16:50	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 16:50	108-67-8	
Vinyl chloride	7.9	ug/L	1.0	0.17	1		11/20/20 16:50	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 16:50	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 16:50	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		11/20/20 16:50	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		11/20/20 16:50	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/20/20 16:50	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:56		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	60.0	mg/L	2.0	0.43	1		12/04/20 05:31	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:20		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-1A **Lab ID: 40218620010** Collected: 11/17/20 14:15 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 09:23	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 09:23	74-85-1	
Methane	1.4J	ug/L	2.8	0.66	1		11/20/20 09:23	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 17:10	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 17:10	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 17:10	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 17:10	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 17:10	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 17:10	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 17:10	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 17:10	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 17:10	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 17:10	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 17:10	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 17:10	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 17:10	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 17:10	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 17:10	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 17:10	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 17:10	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 17:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 17:10	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 17:10	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 17:10	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 17:10	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 17:10	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 17:10	75-71-8	
1,1-Dichloroethane	206	ug/L	1.0	0.27	1		11/20/20 17:10	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 17:10	107-06-2	
1,1-Dichloroethene	21.7	ug/L	1.0	0.24	1		11/20/20 17:10	75-35-4	
cis-1,2-Dichloroethene	19.9	ug/L	1.0	0.27	1		11/20/20 17:10	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 17:10	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 17:10	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 17:10	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 17:10	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 17:10	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 17:10	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 17:10	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 17:10	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 17:10	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 17:10	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 17:10	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-1A **Lab ID: 40218620010** Collected: 11/17/20 14:15 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 17:10	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 17:10	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 17:10	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 17:10	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 17:10	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 17:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 17:10	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 17:10	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 17:10	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 17:10	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 17:10	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 17:10	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 17:10	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 17:10	79-00-5	
Trichloroethene	5.9	ug/L	1.0	0.26	1		11/20/20 17:10	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 17:10	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 17:10	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 17:10	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 17:10	108-67-8	
Vinyl chloride	0.70J	ug/L	1.0	0.17	1		11/20/20 17:10	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 17:10	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 17:10	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 17:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/20/20 17:10	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/20/20 17:10	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/20/20 17:10	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:57		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	158	mg/L	20.0	4.3	10		12/05/20 04:43	16887-00-6	M0
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:22		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-1B **Lab ID: 40218620011** Collected: 11/17/20 14:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	2.0J	ug/L	5.6	1.2	1		11/20/20 09:30	74-84-0	
Ethene	1.3J	ug/L	5.0	1.2	1		11/20/20 09:30	74-85-1	
Methane	8.2	ug/L	2.8	0.66	1		11/20/20 09:30	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.44J	ug/L	1.0	0.25	1		11/20/20 17:29	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 17:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 17:29	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 17:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 17:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 17:29	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 17:29	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 17:29	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 17:29	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 17:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 17:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 17:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 17:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 17:29	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 17:29	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 17:29	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 17:29	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 17:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 17:29	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 17:29	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 17:29	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 17:29	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 17:29	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 17:29	75-71-8	
1,1-Dichloroethane	506	ug/L	10.0	2.7	10		11/23/20 09:03	75-34-3	
1,2-Dichloroethane	0.82J	ug/L	1.0	0.28	1		11/20/20 17:29	107-06-2	
1,1-Dichloroethene	13.2	ug/L	1.0	0.24	1		11/20/20 17:29	75-35-4	
cis-1,2-Dichloroethene	34.6	ug/L	1.0	0.27	1		11/20/20 17:29	156-59-2	
trans-1,2-Dichloroethene	0.90J	ug/L	1.5	0.46	1		11/20/20 17:29	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 17:29	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 17:29	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 17:29	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 17:29	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 17:29	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 17:29	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 17:29	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 17:29	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 17:29	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 17:29	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-1B Lab ID: 40218620011 Collected: 11/17/20 14:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 17:29	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 17:29	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 17:29	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 17:29	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 17:29	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 17:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 17:29	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 17:29	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 17:29	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 17:29	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 17:29	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 17:29	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 17:29	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 17:29	79-00-5	
Trichloroethene	39.8	ug/L	1.0	0.26	1		11/20/20 17:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 17:29	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 17:29	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 17:29	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 17:29	108-67-8	
Vinyl chloride	1.5	ug/L	1.0	0.17	1		11/20/20 17:29	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 17:29	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 17:29	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 17:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		11/20/20 17:29	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/20/20 17:29	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		11/20/20 17:29	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 15:59		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	40.5	mg/L	2.0	0.43	1		12/04/20 14:48	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:22		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-5 **Lab ID: 40218620012** Collected: 11/17/20 09:50 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 09:37	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 09:37	74-85-1	
Methane	4.3	ug/L	2.8	0.66	1		11/20/20 09:37	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		11/23/20 08:04	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/23/20 08:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/23/20 08:04	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/23/20 08:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/23/20 08:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/23/20 08:04	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/23/20 08:04	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/23/20 08:04	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/23/20 08:04	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/23/20 08:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/23/20 08:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/23/20 08:04	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/23/20 08:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/23/20 08:04	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/23/20 08:04	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/23/20 08:04	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/23/20 08:04	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/23/20 08:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/23/20 08:04	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/23/20 08:04	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/23/20 08:04	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/23/20 08:04	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/23/20 08:04	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/23/20 08:04	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/23/20 08:04	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/23/20 08:04	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/23/20 08:04	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/23/20 08:04	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/23/20 08:04	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/23/20 08:04	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/23/20 08:04	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/23/20 08:04	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/23/20 08:04	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/23/20 08:04	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/23/20 08:04	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/23/20 08:04	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/23/20 08:04	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/23/20 08:04	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/23/20 08:04	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-5 **Lab ID: 40218620012** Collected: 11/17/20 09:50 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/23/20 08:04	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/23/20 08:04	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/23/20 08:04	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/23/20 08:04	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/23/20 08:04	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/23/20 08:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/23/20 08:04	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/23/20 08:04	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/23/20 08:04	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/23/20 08:04	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/23/20 08:04	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/23/20 08:04	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/23/20 08:04	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/23/20 08:04	79-00-5	
Trichloroethene	0.55J	ug/L	1.0	0.26	1		11/23/20 08:04	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/23/20 08:04	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/23/20 08:04	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/23/20 08:04	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/23/20 08:04	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/23/20 08:04	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/23/20 08:04	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/23/20 08:04	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/23/20 08:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/23/20 08:04	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/23/20 08:04	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/23/20 08:04	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 16:00		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	136	mg/L	10.0	2.2	5		12/04/20 15:03	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:23		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-13 **Lab ID: 40218620013** Collected: 11/17/20 14:40 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay							
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 09:44	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 09:44	74-85-1	
Methane	2.4J	ug/L	2.8	0.66	1		11/20/20 09:44	74-82-8	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		11/23/20 08:24	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/23/20 08:24	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/23/20 08:24	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/23/20 08:24	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/23/20 08:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/23/20 08:24	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/23/20 08:24	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/23/20 08:24	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/23/20 08:24	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/23/20 08:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/23/20 08:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/23/20 08:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/23/20 08:24	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/23/20 08:24	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/23/20 08:24	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/23/20 08:24	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/23/20 08:24	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/23/20 08:24	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/23/20 08:24	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/23/20 08:24	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/23/20 08:24	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/23/20 08:24	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/23/20 08:24	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/23/20 08:24	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/23/20 08:24	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/23/20 08:24	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/23/20 08:24	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/23/20 08:24	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/23/20 08:24	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/23/20 08:24	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/23/20 08:24	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/23/20 08:24	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/23/20 08:24	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/23/20 08:24	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/23/20 08:24	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/23/20 08:24	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/23/20 08:24	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/23/20 08:24	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/23/20 08:24	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-13 **Lab ID: 40218620013** Collected: 11/17/20 14:40 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/23/20 08:24	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/23/20 08:24	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/23/20 08:24	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/23/20 08:24	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/23/20 08:24	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/23/20 08:24	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/23/20 08:24	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/23/20 08:24	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/23/20 08:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/23/20 08:24	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/23/20 08:24	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/23/20 08:24	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/23/20 08:24	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/23/20 08:24	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/23/20 08:24	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/23/20 08:24	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/23/20 08:24	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/23/20 08:24	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/23/20 08:24	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/23/20 08:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/23/20 08:24	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/23/20 08:24	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/23/20 08:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/23/20 08:24	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/23/20 08:24	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/23/20 08:24	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 16:02		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	9.7J	mg/L	10.0	2.2	5		12/04/20 15:18	16887-00-6	B,D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	1.1	mg/L	0.25	0.059	1		11/30/20 11:24		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-12 **Lab ID: 40218622001** Collected: 11/17/20 10:30 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 09:51	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 09:51	74-85-1	
Methane	3.0	ug/L	2.8	0.66	1		11/20/20 09:51	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 16:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 16:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 16:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 16:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 16:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 16:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 16:34	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 16:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 16:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 16:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 16:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 16:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 16:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 16:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 16:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 16:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 16:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 16:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 16:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 16:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:34	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:34	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 16:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 16:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 16:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 16:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 16:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 16:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 16:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 16:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 16:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 16:34	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-12 Lab ID: 40218622001 Collected: 11/17/20 10:30 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 16:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 16:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 16:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 16:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 16:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 16:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 16:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 16:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 16:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 16:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 16:34	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 16:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 16:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 16:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 16:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 16:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 16:34	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 16:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		11/20/20 16:34	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		11/20/20 16:34	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/20/20 16:34	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 16:04		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	12.6	mg/L	10.0	2.2	5		12/04/20 15:33	16887-00-6	B
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.14J	mg/L	0.25	0.059	1		11/30/20 11:24		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: PZ-3 **Lab ID: 40218622002** Collected: 11/17/20 12:50 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 09:57	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 09:57	74-85-1	
Methane	6.1	ug/L	2.8	0.66	1		11/20/20 09:57	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<2.5	ug/L	10.0	2.5	10		11/20/20 09:04	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		11/20/20 09:04	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		11/20/20 09:04	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		11/20/20 09:04	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		11/20/20 09:04	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		11/20/20 09:04	74-83-9	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		11/20/20 09:04	104-51-8	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		11/20/20 09:04	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		11/20/20 09:04	98-06-6	
Carbon tetrachloride	<10.8	ug/L	35.9	10.8	10		11/20/20 09:04	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		11/20/20 09:04	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		11/20/20 09:04	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		11/20/20 09:04	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		11/20/20 09:04	74-87-3	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		11/20/20 09:04	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		11/20/20 09:04	106-43-4	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		11/20/20 09:04	96-12-8	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		11/20/20 09:04	124-48-1	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		11/20/20 09:04	106-93-4	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		11/20/20 09:04	74-95-3	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		11/20/20 09:04	95-50-1	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		11/20/20 09:04	541-73-1	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		11/20/20 09:04	106-46-7	
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		11/20/20 09:04	75-71-8	
1,1-Dichloroethane	1160	ug/L	10.0	2.7	10		11/20/20 09:04	75-34-3	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		11/20/20 09:04	107-06-2	
1,1-Dichloroethene	27.6	ug/L	10.0	2.4	10		11/20/20 09:04	75-35-4	
cis-1,2-Dichloroethene	42.5	ug/L	10.0	2.7	10		11/20/20 09:04	156-59-2	
trans-1,2-Dichloroethene	<4.6	ug/L	15.5	4.6	10		11/20/20 09:04	156-60-5	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		11/20/20 09:04	78-87-5	L2
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		11/20/20 09:04	142-28-9	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		11/20/20 09:04	594-20-7	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		11/20/20 09:04	563-58-6	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		11/20/20 09:04	10061-01-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		11/20/20 09:04	10061-02-6	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		11/20/20 09:04	108-20-3	
Ethylbenzene	<3.2	ug/L	10.6	3.2	10		11/20/20 09:04	100-41-4	
Hexachloro-1,3-butadiene	<14.6	ug/L	48.8	14.6	10		11/20/20 09:04	87-68-3	
Isopropylbenzene (Cumene)	<16.9	ug/L	56.2	16.9	10		11/20/20 09:04	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: PZ-3 **Lab ID: 40218622002** Collected: 11/17/20 12:50 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		11/20/20 09:04	99-87-6	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		11/20/20 09:04	75-09-2	
Methyl-tert-butyl ether	<12.5	ug/L	41.5	12.5	10		11/20/20 09:04	1634-04-4	
Naphthalene	<11.8	ug/L	50.0	11.8	10		11/20/20 09:04	91-20-3	
n-Propylbenzene	<8.1	ug/L	50.0	8.1	10		11/20/20 09:04	103-65-1	
Styrene	<30.1	ug/L	100	30.1	10		11/20/20 09:04	100-42-5	
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		11/20/20 09:04	630-20-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		11/20/20 09:04	79-34-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		11/20/20 09:04	127-18-4	
Toluene	<2.7	ug/L	10.0	2.7	10		11/20/20 09:04	108-88-3	
1,2,3-Trichlorobenzene	<22.1	ug/L	73.7	22.1	10		11/20/20 09:04	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		11/20/20 09:04	120-82-1	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		11/20/20 09:04	71-55-6	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		11/20/20 09:04	79-00-5	
Trichloroethene	10.8	ug/L	10.0	2.6	10		11/20/20 09:04	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		11/20/20 09:04	75-69-4	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		11/20/20 09:04	96-18-4	
1,2,4-Trimethylbenzene	<8.4	ug/L	28.0	8.4	10		11/20/20 09:04	95-63-6	
1,3,5-Trimethylbenzene	<8.7	ug/L	29.1	8.7	10		11/20/20 09:04	108-67-8	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		11/20/20 09:04	75-01-4	
Xylene (Total)	<15.0	ug/L	30.0	15.0	10		11/20/20 09:04	1330-20-7	
m&p-Xylene	<4.7	ug/L	20.0	4.7	10		11/20/20 09:04	179601-23-1	
o-Xylene	<2.6	ug/L	10.0	2.6	10		11/20/20 09:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		10		11/20/20 09:04	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		10		11/20/20 09:04	1868-53-7	
Toluene-d8 (S)	107	%	70-130		10		11/20/20 09:04	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/19/20 16:06		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	32.2	mg/L	2.0	0.43	1		12/04/20 15:48	16887-00-6	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:25		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-14 **Lab ID: 40218622003** Collected: 11/17/20 11:50 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 10:04	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 10:04	74-85-1	
Methane	0.87J	ug/L	2.8	0.66	1		11/20/20 10:04	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/19/20 14:11	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/19/20 14:11	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/19/20 14:11	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/19/20 14:11	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/19/20 14:11	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/19/20 14:11	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/19/20 14:11	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/19/20 14:11	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/19/20 14:11	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/19/20 14:11	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/20 14:11	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/19/20 14:11	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/19/20 14:11	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/19/20 14:11	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/19/20 14:11	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/19/20 14:11	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/19/20 14:11	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/19/20 14:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/19/20 14:11	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/19/20 14:11	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/20 14:11	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/19/20 14:11	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/19/20 14:11	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/19/20 14:11	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/19/20 14:11	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/19/20 14:11	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/19/20 14:11	75-35-4	
cis-1,2-Dichloroethene	5.3	ug/L	1.0	0.27	1		11/19/20 14:11	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/19/20 14:11	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/19/20 14:11	78-87-5	L2
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/19/20 14:11	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/19/20 14:11	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/19/20 14:11	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/19/20 14:11	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/19/20 14:11	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/19/20 14:11	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/19/20 14:11	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/19/20 14:11	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/19/20 14:11	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-14 **Lab ID: 40218622003** Collected: 11/17/20 11:50 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/19/20 14:11	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/19/20 14:11	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/19/20 14:11	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/19/20 14:11	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/19/20 14:11	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/19/20 14:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/19/20 14:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/19/20 14:11	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/19/20 14:11	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/19/20 14:11	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/19/20 14:11	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/19/20 14:11	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/19/20 14:11	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/19/20 14:11	79-00-5	
Trichloroethene	5.4	ug/L	1.0	0.26	1		11/19/20 14:11	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/19/20 14:11	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/19/20 14:11	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/19/20 14:11	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/19/20 14:11	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/19/20 14:11	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/19/20 14:11	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/19/20 14:11	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/19/20 14:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/19/20 14:11	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/19/20 14:11	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/19/20 14:11	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/20/20 15:46		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	2.6	mg/L	2.0	0.43	1		12/04/20 16:47	16887-00-6	B
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.79	mg/L	0.25	0.059	1		11/30/20 11:28		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: MW-1 **Lab ID: 40218622004** Collected: 11/17/20 11:05 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		11/20/20 10:26	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		11/20/20 10:26	74-85-1	
Methane	17.1	ug/L	2.8	0.66	1		11/20/20 10:26	74-82-8	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 16:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 16:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 16:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 16:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 16:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 16:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 16:58	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 16:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 16:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 16:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 16:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 16:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 16:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 16:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 16:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 16:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 16:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 16:58	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 16:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 16:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 16:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:58	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:58	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 16:58	75-35-4	
cis-1,2-Dichloroethene	0.31J	ug/L	1.0	0.27	1		11/20/20 16:58	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 16:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 16:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 16:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 16:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 16:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 16:58	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 16:58	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 16:58	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 16:58	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 16:58	98-82-8	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: MW-1 **Lab ID: 40218622004** Collected: 11/17/20 11:05 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 16:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 16:58	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 16:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 16:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 16:58	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 16:58	79-34-5	
Tetrachloroethene	0.33J	ug/L	1.1	0.33	1		11/20/20 16:58	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 16:58	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 16:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 16:58	120-82-1	
1,1,1-Trichloroethane	1.0	ug/L	1.0	0.24	1		11/20/20 16:58	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 16:58	79-00-5	
Trichloroethene	6.1	ug/L	1.0	0.26	1		11/20/20 16:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 16:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 16:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 16:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 16:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 16:58	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 16:58	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 16:58	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 16:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/20/20 16:58	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/20/20 16:58	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		11/20/20 16:58	2037-26-5	
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		11/20/20 15:55		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	4.8J	mg/L	10.0	2.2	5		12/04/20 17:02	16887-00-6	B,D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/30/20 11:28		

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Sample: TB **Lab ID: 40218622005** Collected: 11/17/20 00:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/20/20 11:03	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/20/20 11:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/20/20 11:03	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/20/20 11:03	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/20/20 11:03	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/20/20 11:03	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 11:03	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/20/20 11:03	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/20/20 11:03	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/20/20 11:03	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 11:03	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/20/20 11:03	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/20/20 11:03	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/20/20 11:03	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/20/20 11:03	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/20/20 11:03	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/20/20 11:03	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/20/20 11:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/20/20 11:03	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/20/20 11:03	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/20/20 11:03	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/20/20 11:03	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/20/20 11:03	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/20/20 11:03	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 11:03	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 11:03	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/20/20 11:03	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/20/20 11:03	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/20/20 11:03	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/20/20 11:03	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/20/20 11:03	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/20/20 11:03	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/20/20 11:03	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/20/20 11:03	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/20/20 11:03	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/20/20 11:03	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/20/20 11:03	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/20/20 11:03	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/20/20 11:03	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/20/20 11:03	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/20/20 11:03	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/20/20 11:03	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/20/20 11:03	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/20/20 11:03	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/20/20 11:03	100-42-5	

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ANALYTICAL RESULTS

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Sample: TB **Lab ID: 40218622005** Collected: 11/17/20 00:00 Received: 11/18/20 13:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/20/20 11:03	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/20/20 11:03	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/20/20 11:03	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/20/20 11:03	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/20/20 11:03	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/20/20 11:03	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/20/20 11:03	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/20/20 11:03	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/20/20 11:03	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/20/20 11:03	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/20/20 11:03	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/20/20 11:03	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/20/20 11:03	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/20/20 11:03	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/20/20 11:03	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/20/20 11:03	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/20/20 11:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/20/20 11:03	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/20/20 11:03	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/20/20 11:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch:	371808	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008

METHOD BLANK: 2150019 Matrix: Water
Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	11/19/20 09:12	
Ethene	ug/L	<1.2	5.0	11/19/20 09:12	
Methane	ug/L	<0.66	2.8	11/19/20 09:12	

LABORATORY CONTROL SAMPLE & LCSD: 2150020 2150021

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	55.3	58.1	103	108	80-120	5	20	
Ethene	ug/L	50	50.7	53.2	101	106	80-120	5	20	
Methane	ug/L	28.6	29.0	30.8	101	108	79-120	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150344 2150345

Parameter	Units	40218620001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	53.6	53.6	56.7	57.1	106	107	79-120	1	20	
Ethene	ug/L	<1.2	50	50	52.2	52.2	104	104	79-120	0	20	
Methane	ug/L	1.3J	28.6	28.6	30.8	30.9	103	104	10-200	0	20	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch:	371963	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40218620009, 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002, 40218622003, 40218622004

METHOD BLANK: 2150808 Matrix: Water
Associated Lab Samples: 40218620009, 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002, 40218622003, 40218622004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	11/20/20 08:16	
Ethene	ug/L	<1.2	5.0	11/20/20 08:16	
Methane	ug/L	<0.66	2.8	11/20/20 08:16	

LABORATORY CONTROL SAMPLE & LCSD: 2150809 2150810

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	55.9	58.4	104	109	80-120	4	20	
Ethene	ug/L	50	51.3	53.4	103	107	80-120	4	20	
Methane	ug/L	28.6	29.9	31.4	105	110	79-120	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2151068 2151069

Parameter	Units	40218622002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	53.6	53.6	57.2	57.8	107	108	79-120	1	20	
Ethene	ug/L	<1.2	50	50	52.8	53.2	106	106	79-120	1	20	
Methane	ug/L	6.1	28.6	28.6	32.8	33.2	93	95	10-200	1	20	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch: 371787 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40218622002, 40218622003

METHOD BLANK: 2149949 Matrix: Water

Associated Lab Samples: 40218622002, 40218622003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/19/20 07:27	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/19/20 07:27	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/19/20 07:27	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/19/20 07:27	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/19/20 07:27	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/19/20 07:27	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/19/20 07:27	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/19/20 07:27	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/19/20 07:27	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/19/20 07:27	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/19/20 07:27	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/19/20 07:27	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/19/20 07:27	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/19/20 07:27	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/19/20 07:27	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/19/20 07:27	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/19/20 07:27	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/19/20 07:27	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/19/20 07:27	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/19/20 07:27	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/19/20 07:27	
2-Chlorotoluene	ug/L	<0.93	5.0	11/19/20 07:27	
4-Chlorotoluene	ug/L	<0.76	2.5	11/19/20 07:27	
Benzene	ug/L	<0.25	1.0	11/19/20 07:27	
Bromobenzene	ug/L	<0.24	1.0	11/19/20 07:27	
Bromochloromethane	ug/L	<0.36	5.0	11/19/20 07:27	
Bromodichloromethane	ug/L	<0.36	1.2	11/19/20 07:27	
Bromoform	ug/L	<4.0	13.2	11/19/20 07:27	
Bromomethane	ug/L	<0.97	5.0	11/19/20 07:27	
Carbon tetrachloride	ug/L	<1.1	3.6	11/19/20 07:27	
Chlorobenzene	ug/L	<0.71	2.4	11/19/20 07:27	
Chloroethane	ug/L	<1.3	5.0	11/19/20 07:27	
Chloroform	ug/L	<1.3	5.0	11/19/20 07:27	
Chloromethane	ug/L	<2.2	7.3	11/19/20 07:27	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/19/20 07:27	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/19/20 07:27	
Dibromochloromethane	ug/L	<2.6	8.7	11/19/20 07:27	
Dibromomethane	ug/L	<0.94	3.1	11/19/20 07:27	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/19/20 07:27	
Diisopropyl ether	ug/L	<1.9	6.3	11/19/20 07:27	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

METHOD BLANK: 2149949 Matrix: Water
Associated Lab Samples: 40218622002, 40218622003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	11/19/20 07:27	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/19/20 07:27	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/19/20 07:27	
m&p-Xylene	ug/L	<0.47	2.0	11/19/20 07:27	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/19/20 07:27	
Methylene Chloride	ug/L	<0.58	5.0	11/19/20 07:27	
n-Butylbenzene	ug/L	<0.71	2.4	11/19/20 07:27	
n-Propylbenzene	ug/L	<0.81	5.0	11/19/20 07:27	
Naphthalene	ug/L	<1.2	5.0	11/19/20 07:27	
o-Xylene	ug/L	<0.26	1.0	11/19/20 07:27	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/19/20 07:27	
sec-Butylbenzene	ug/L	<0.85	5.0	11/19/20 07:27	
Styrene	ug/L	<3.0	10.0	11/19/20 07:27	
tert-Butylbenzene	ug/L	<0.30	1.0	11/19/20 07:27	
Tetrachloroethene	ug/L	<0.33	1.1	11/19/20 07:27	
Toluene	ug/L	<0.27	1.0	11/19/20 07:27	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/19/20 07:27	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/19/20 07:27	
Trichloroethene	ug/L	<0.26	1.0	11/19/20 07:27	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/19/20 07:27	
Vinyl chloride	ug/L	<0.17	1.0	11/19/20 07:27	
Xylene (Total)	ug/L	<1.5	3.0	11/19/20 07:27	
4-Bromofluorobenzene (S)	%	96	70-130	11/19/20 07:27	
Dibromofluoromethane (S)	%	99	70-130	11/19/20 07:27	
Toluene-d8 (S)	%	98	70-130	11/19/20 07:27	

LABORATORY CONTROL SAMPLE: 2149950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	42.3	85	64-131	
1,1,2-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1-Dichloroethane	ug/L	50	41.8	84	69-163	
1,1-Dichloroethene	ug/L	50	46.8	94	77-123	
1,2,4-Trichlorobenzene	ug/L	50	43.2	86	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.4	77	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.2	98	70-130	
1,2-Dichlorobenzene	ug/L	50	47.6	95	70-130	
1,2-Dichloroethane	ug/L	50	48.3	97	78-142	
1,2-Dichloropropane	ug/L	50	41.8	84	86-134 L2	
1,3-Dichlorobenzene	ug/L	50	48.5	97	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
Benzene	ug/L	50	41.6	83	70-130	
Bromodichloromethane	ug/L	50	54.1	108	70-130	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

LABORATORY CONTROL SAMPLE: 2149950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	57.2	114	70-130	
Bromomethane	ug/L	50	25.8	52	39-129	
Carbon tetrachloride	ug/L	50	58.1	116	70-132	
Chlorobenzene	ug/L	50	51.5	103	70-130	
Chloroethane	ug/L	50	34.1	68	66-140	
Chloroform	ug/L	50	47.4	95	75-132	
Chloromethane	ug/L	50	22.3	45	32-143	
cis-1,2-Dichloroethene	ug/L	50	43.0	86	70-130	
cis-1,3-Dichloropropene	ug/L	50	43.4	87	70-130	
Dibromochloromethane	ug/L	50	56.6	113	70-130	
Dichlorodifluoromethane	ug/L	50	28.6	57	10-141	
Ethylbenzene	ug/L	50	52.6	105	80-120	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	37.8	76	61-129	
Methylene Chloride	ug/L	50	42.9	86	70-130	
o-Xylene	ug/L	50	52.1	104	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	57.7	115	70-130	
Toluene	ug/L	50	50.1	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.5	97	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	69-130	
Trichloroethene	ug/L	50	54.8	110	70-130	
Trichlorofluoromethane	ug/L	50	53.2	106	75-145	
Vinyl chloride	ug/L	50	33.0	66	51-140	
Xylene (Total)	ug/L	150	157	105	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150009 2150010

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40218582001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	55.2	56.8	110	114	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	41.4	41.9	83	84	64-137	1	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	45.5	45.5	91	91	70-137	0	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	43.5	43.8	87	87	69-163	1	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	49.6	49.9	99	100	77-129	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	43.7	44.9	87	90	68-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	38.9	39.2	78	78	60-130	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.3	47.9	97	96	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	47.6	48.8	95	98	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	48.2	49.0	96	98	78-145	2	20		

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150009			2150010			% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		40218582001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1,2-Dichloropropane	ug/L	<0.28	50	50	42.3	43.4	85	87	86-135	3	20	M0		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.3	49.6	97	99	70-130	3	20			
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.1	49.9	98	100	70-130	2	20			
Benzene	ug/L	<0.25	50	50	42.6	43.1	85	86	70-136	1	20			
Bromodichloromethane	ug/L	<0.36	50	50	53.6	55.2	107	110	70-130	3	20			
Bromoform	ug/L	<4.0	50	50	55.7	56.0	111	112	69-130	1	20			
Bromomethane	ug/L	<0.97	50	50	34.9	34.3	70	69	39-138	2	20			
Carbon tetrachloride	ug/L	<1.1	50	50	59.6	60.4	119	121	70-142	1	20			
Chlorobenzene	ug/L	<0.71	50	50	51.3	51.7	103	103	70-130	1	20			
Chloroethane	ug/L	<1.3	50	50	36.8	37.3	74	75	61-149	1	20			
Chloroform	ug/L	<1.3	50	50	47.8	48.7	96	97	75-133	2	20			
Chloromethane	ug/L	<2.2	50	50	25.8	26.3	52	53	32-143	2	20			
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	45.2	45.6	90	91	70-130	1	20			
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	43.7	44.5	87	89	70-130	2	20			
Dibromochloromethane	ug/L	<2.6	50	50	56.3	57.2	113	114	70-130	2	20			
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.4	37.6	75	75	10-141	1	20			
Ethylbenzene	ug/L	<0.32	50	50	52.7	53.7	105	107	80-120	2	20			
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	54.2	55.3	108	111	70-130	2	20			
m&p-Xylene	ug/L	<0.47	100	100	105	106	105	106	70-130	1	20			
Methyl-tert-butyl ether	ug/L	<1.2	50	50	38.3	37.9	77	76	61-136	1	20			
Methylene Chloride	ug/L	<0.58	50	50	45.0	44.8	90	90	68-137	1	20			
o-Xylene	ug/L	<0.26	50	50	51.7	53.0	103	106	70-130	3	20			
Styrene	ug/L	<3.0	50	50	51.5	53.0	103	106	70-130	3	20			
Tetrachloroethene	ug/L	<0.33	50	50	58.9	59.8	118	120	70-130	1	20			
Toluene	ug/L	<0.27	50	50	50.2	50.9	100	102	80-120	1	20			
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	50.9	52.2	102	104	70-130	2	20			
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.2	43.1	84	86	69-130	2	20			
Trichloroethene	ug/L	<0.26	50	50	55.4	56.7	111	113	70-130	2	20			
Trichlorofluoromethane	ug/L	<0.21	50	50	55.7	56.5	111	113	74-157	2	20			
Vinyl chloride	ug/L	<0.17	50	50	37.4	38.0	75	76	51-140	2	20			
Xylene (Total)	ug/L	<1.5	150	150	156	159	104	106	70-130	2	20			
4-Bromofluorobenzene (S)	%						103	104	70-130					
Dibromofluoromethane (S)	%						96	97	70-130					
Toluene-d8 (S)	%						98	99	70-130					

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

METHOD BLANK: 2149951

Matrix: Water

Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009, 40218620010, 40218620011, 40218620012, 40218620013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.9	6.3	11/20/20 06:58	
Ethylbenzene	ug/L	<0.32	1.1	11/20/20 06:58	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/20/20 06:58	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/20/20 06:58	
m&p-Xylene	ug/L	<0.47	2.0	11/20/20 06:58	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/20/20 06:58	
Methylene Chloride	ug/L	<0.58	5.0	11/20/20 06:58	
n-Butylbenzene	ug/L	<0.71	2.4	11/20/20 06:58	
n-Propylbenzene	ug/L	<0.81	5.0	11/20/20 06:58	
Naphthalene	ug/L	<1.2	5.0	11/20/20 06:58	
o-Xylene	ug/L	<0.26	1.0	11/20/20 06:58	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/20/20 06:58	
sec-Butylbenzene	ug/L	<0.85	5.0	11/20/20 06:58	
Styrene	ug/L	<3.0	10.0	11/20/20 06:58	
tert-Butylbenzene	ug/L	<0.30	1.0	11/20/20 06:58	
Tetrachloroethene	ug/L	<0.33	1.1	11/20/20 06:58	
Toluene	ug/L	<0.27	1.0	11/20/20 06:58	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/20/20 06:58	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/20/20 06:58	
Trichloroethene	ug/L	<0.26	1.0	11/20/20 06:58	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/20/20 06:58	
Vinyl chloride	ug/L	<0.17	1.0	11/20/20 06:58	
Xylene (Total)	ug/L	<1.5	3.0	11/20/20 06:58	
4-Bromofluorobenzene (S)	%	98	70-130	11/20/20 06:58	
Dibromofluoromethane (S)	%	104	70-130	11/20/20 06:58	
Toluene-d8 (S)	%	96	70-130	11/20/20 06:58	

LABORATORY CONTROL SAMPLE: 2149952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.4	89	64-131	
1,1,2-Trichloroethane	ug/L	50	48.9	98	70-130	
1,1-Dichloroethane	ug/L	50	48.0	96	69-163	
1,1-Dichloroethene	ug/L	50	49.0	98	77-123	
1,2,4-Trichlorobenzene	ug/L	50	44.7	89	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.2	90	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	70-130	
1,2-Dichlorobenzene	ug/L	50	47.3	95	70-130	
1,2-Dichloroethane	ug/L	50	48.8	98	78-142	
1,2-Dichloropropane	ug/L	50	48.7	97	86-134	
1,3-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,4-Dichlorobenzene	ug/L	50	43.9	88	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

LABORATORY CONTROL SAMPLE: 2149952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	45.8	92	70-130	
Bromodichloromethane	ug/L	50	52.5	105	70-130	
Bromoform	ug/L	50	49.8	100	70-130	
Bromomethane	ug/L	50	35.8	72	39-129	
Carbon tetrachloride	ug/L	50	52.2	104	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	45.8	92	66-140	
Chloroform	ug/L	50	49.0	98	75-132	
Chloromethane	ug/L	50	30.6	61	32-143	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	50.8	102	70-130	
Dichlorodifluoromethane	ug/L	50	24.5	49	10-141	
Ethylbenzene	ug/L	50	52.0	104	80-120	
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	51.0	102	61-129	
Methylene Chloride	ug/L	50	53.8	108	70-130	
o-Xylene	ug/L	50	51.9	104	70-130	
Styrene	ug/L	50	51.7	103	70-130	
Tetrachloroethene	ug/L	50	50.3	101	70-130	
Toluene	ug/L	50	50.1	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.7	97	69-130	
Trichloroethene	ug/L	50	51.8	104	70-130	
Trichlorofluoromethane	ug/L	50	52.3	105	75-145	
Vinyl chloride	ug/L	50	39.4	79	51-140	
Xylene (Total)	ug/L	150	156	104	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2151043 2151044

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40218422001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	52.1	51.3	104	103	70-130	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	42.9	41.9	86	84	64-137	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	45.8	44.3	92	89	70-137	3	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	49.5	45.5	99	91	69-163	8	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	49.8	48.2	100	96	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.4	45.5	95	91	68-130	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.3	46.0	95	92	60-130	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	44.9	46.1	90	92	70-130	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2151043		2151044		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40218422001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichlorobenzene	ug/L	<0.71	50	50	43.3	41.6	87	83	70-130	4	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	48.8	44.8	98	90	78-145	8	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	47.8	45.6	96	91	86-135	5	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	46.0	46.2	92	92	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	41.4	41.6	83	83	70-130	0	20		
Benzene	ug/L	<0.25	50	50	46.1	44.6	92	89	70-136	3	20		
Bromodichloromethane	ug/L	<0.36	50	50	49.9	47.8	100	96	70-130	4	20		
Bromoform	ug/L	<4.0	50	50	48.7	46.0	97	92	69-130	6	20		
Bromomethane	ug/L	<0.97	50	50	42.8	48.1	86	96	39-138	12	20		
Carbon tetrachloride	ug/L	<1.1	50	50	52.9	50.1	106	100	70-142	6	20		
Chlorobenzene	ug/L	<0.71	50	50	48.8	47.5	98	95	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	48.1	47.6	96	95	61-149	1	20		
Chloroform	ug/L	<1.3	50	50	49.0	47.6	98	95	75-133	3	20		
Chloromethane	ug/L	<2.2	50	50	34.0	32.4	68	65	32-143	5	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	46.3	44.5	93	89	70-130	4	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	43.9	44.1	88	88	70-130	1	20		
Dibromochloromethane	ug/L	<2.6	50	50	49.0	46.8	98	94	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	23.6	23.6	47	47	10-141	0	20		
Ethylbenzene	ug/L	<0.32	50	50	48.2	46.6	96	93	80-120	3	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	47.5	46.5	95	93	70-130	2	20		
m&p-Xylene	ug/L	<0.47	100	100	92.6	90.3	93	90	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	48.1	46.3	96	93	61-136	4	20		
Methylene Chloride	ug/L	<0.58	50	50	53.1	50.5	106	101	68-137	5	20		
o-Xylene	ug/L	<0.26	50	50	47.5	45.9	95	92	70-130	4	20		
Styrene	ug/L	<3.0	50	50	46.3	44.6	93	89	70-130	4	20		
Tetrachloroethene	ug/L	<0.33	50	50	48.1	48.5	96	97	70-130	1	20		
Toluene	ug/L	<0.27	50	50	46.8	45.5	94	91	80-120	3	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	51.9	50.1	104	100	70-130	4	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.6	43.5	89	87	69-130	2	20		
Trichloroethene	ug/L	<0.26	50	50	50.1	49.1	100	98	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	52.5	48.7	105	97	74-157	7	20		
Vinyl chloride	ug/L	<0.17	50	50	40.7	42.0	81	84	51-140	3	20		
Xylene (Total)	ug/L	<1.5	150	150	140	136	93	91	70-130	3	20		
4-Bromofluorobenzene (S)	%						104	103	70-130				
Dibromofluoromethane (S)	%						100	100	70-130				
Toluene-d8 (S)	%						99	98	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch: 371900 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40218622001, 40218622004, 40218622005

METHOD BLANK: 2150485 Matrix: Water
Associated Lab Samples: 40218622001, 40218622004, 40218622005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/20/20 07:53	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/20/20 07:53	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/20/20 07:53	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/20/20 07:53	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/20/20 07:53	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/20/20 07:53	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/20/20 07:53	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/20/20 07:53	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/20/20 07:53	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/20/20 07:53	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/20/20 07:53	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/20/20 07:53	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/20/20 07:53	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/20/20 07:53	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/20/20 07:53	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/20/20 07:53	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/20/20 07:53	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/20/20 07:53	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/20/20 07:53	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/20/20 07:53	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/20/20 07:53	
2-Chlorotoluene	ug/L	<0.93	5.0	11/20/20 07:53	
4-Chlorotoluene	ug/L	<0.76	2.5	11/20/20 07:53	
Benzene	ug/L	<0.25	1.0	11/20/20 07:53	
Bromobenzene	ug/L	<0.24	1.0	11/20/20 07:53	
Bromochloromethane	ug/L	<0.36	5.0	11/20/20 07:53	
Bromodichloromethane	ug/L	<0.36	1.2	11/20/20 07:53	
Bromoform	ug/L	<4.0	13.2	11/20/20 07:53	
Bromomethane	ug/L	<0.97	5.0	11/20/20 07:53	
Carbon tetrachloride	ug/L	<1.1	3.6	11/20/20 07:53	
Chlorobenzene	ug/L	<0.71	2.4	11/20/20 07:53	
Chloroethane	ug/L	<1.3	5.0	11/20/20 07:53	
Chloroform	ug/L	<1.3	5.0	11/20/20 07:53	
Chloromethane	ug/L	<2.2	7.3	11/20/20 07:53	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/20/20 07:53	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/20/20 07:53	
Dibromochloromethane	ug/L	<2.6	8.7	11/20/20 07:53	
Dibromomethane	ug/L	<0.94	3.1	11/20/20 07:53	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/20/20 07:53	
Diisopropyl ether	ug/L	<1.9	6.3	11/20/20 07:53	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

METHOD BLANK: 2150485 Matrix: Water
Associated Lab Samples: 40218622001, 40218622004, 40218622005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	11/20/20 07:53	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/20/20 07:53	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/20/20 07:53	
m&p-Xylene	ug/L	<0.47	2.0	11/20/20 07:53	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/20/20 07:53	
Methylene Chloride	ug/L	<0.58	5.0	11/20/20 07:53	
n-Butylbenzene	ug/L	<0.71	2.4	11/20/20 07:53	
n-Propylbenzene	ug/L	<0.81	5.0	11/20/20 07:53	
Naphthalene	ug/L	<1.2	5.0	11/20/20 07:53	
o-Xylene	ug/L	<0.26	1.0	11/20/20 07:53	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/20/20 07:53	
sec-Butylbenzene	ug/L	<0.85	5.0	11/20/20 07:53	
Styrene	ug/L	<3.0	10.0	11/20/20 07:53	
tert-Butylbenzene	ug/L	<0.30	1.0	11/20/20 07:53	
Tetrachloroethene	ug/L	<0.33	1.1	11/20/20 07:53	
Toluene	ug/L	<0.27	1.0	11/20/20 07:53	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/20/20 07:53	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/20/20 07:53	
Trichloroethene	ug/L	<0.26	1.0	11/20/20 07:53	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/20/20 07:53	
Vinyl chloride	ug/L	<0.17	1.0	11/20/20 07:53	
Xylene (Total)	ug/L	<1.5	3.0	11/20/20 07:53	
4-Bromofluorobenzene (S)	%	95	70-130	11/20/20 07:53	
Dibromofluoromethane (S)	%	102	70-130	11/20/20 07:53	
Toluene-d8 (S)	%	97	70-130	11/20/20 07:53	

LABORATORY CONTROL SAMPLE: 2150486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	59.8	120	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	64-131	
1,1,2-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethane	ug/L	50	60.7	121	69-163	
1,1-Dichloroethene	ug/L	50	58.6	117	77-123	
1,2,4-Trichlorobenzene	ug/L	50	44.4	89	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.6	91	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,2-Dichloroethane	ug/L	50	51.9	104	78-142	
1,2-Dichloropropane	ug/L	50	58.8	118	86-134	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	
Benzene	ug/L	50	53.9	108	70-130	
Bromodichloromethane	ug/L	50	54.7	109	70-130	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

LABORATORY CONTROL SAMPLE: 2150486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.1	96	70-130	
Bromomethane	ug/L	50	44.9	90	39-129	
Carbon tetrachloride	ug/L	50	57.6	115	70-132	
Chlorobenzene	ug/L	50	55.2	110	70-130	
Chloroethane	ug/L	50	61.8	124	66-140	
Chloroform	ug/L	50	54.0	108	75-132	
Chloromethane	ug/L	50	59.7	119	32-143	
cis-1,2-Dichloroethene	ug/L	50	53.8	108	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	70-130	
Dibromochloromethane	ug/L	50	52.2	104	70-130	
Dichlorodifluoromethane	ug/L	50	60.9	122	10-141	
Ethylbenzene	ug/L	50	56.2	112	80-120	
Isopropylbenzene (Cumene)	ug/L	50	56.4	113	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	51.6	103	61-129	
Methylene Chloride	ug/L	50	56.4	113	70-130	
o-Xylene	ug/L	50	53.0	106	70-130	
Styrene	ug/L	50	55.3	111	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-130	
Toluene	ug/L	50	54.4	109	80-120	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.4	89	69-130	
Trichloroethene	ug/L	50	55.7	111	70-130	
Trichlorofluoromethane	ug/L	50	65.5	131	75-145	
Vinyl chloride	ug/L	50	63.0	126	51-140	
Xylene (Total)	ug/L	150	164	109	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2152008 2152009

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40218604001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	59.2	58.9	118	118	70-130	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	54.4	49.8	109	100	64-137	9	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.9	50.1	104	100	70-137	4	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	60.4	59.2	121	118	69-163	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	57.4	54.6	115	109	77-129	5	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.4	43.4	95	87	68-130	9	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50.9	49.1	102	98	60-130	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.8	49.7	104	99	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	52.4	50.0	105	100	70-130	5	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	53.2	52.7	106	105	78-145	1	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2152008		2152009		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40218604001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloropropane	ug/L	<0.28	50	50	58.6	56.9	117	114	86-135	3	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	55.9	51.3	112	103	70-130	9	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	53.4	49.6	107	99	70-130	7	20		
Benzene	ug/L	<0.25	50	50	54.0	54.2	108	108	70-136	0	20		
Bromodichloromethane	ug/L	<0.36	50	50	55.9	53.2	112	106	70-130	5	20		
Bromoform	ug/L	<4.0	50	50	48.2	48.1	96	96	69-130	0	20		
Bromomethane	ug/L	<0.97	50	50	45.9	48.5	90	96	39-138	5	20		
Carbon tetrachloride	ug/L	<1.1	50	50	56.1	56.8	112	114	70-142	1	20		
Chlorobenzene	ug/L	<0.71	50	50	55.4	53.7	111	107	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	56.0	58.2	112	116	61-149	4	20		
Chloroform	ug/L	<1.3	50	50	54.2	55.1	108	110	75-133	1	20		
Chloromethane	ug/L	<2.2	50	50	44.7	46.8	89	93	32-143	5	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	54.8	54.6	110	109	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.5	48.9	101	98	70-130	3	20		
Dibromochloromethane	ug/L	<2.6	50	50	52.3	50.5	105	101	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	31.0	33.0	62	66	10-141	6	20		
Ethylbenzene	ug/L	<0.32	50	50	56.2	55.4	112	111	80-120	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	56.1	56.3	112	113	70-130	0	20		
m&p-Xylene	ug/L	<0.47	100	100	111	110	111	110	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	52.3	51.7	105	103	61-136	1	20		
Methylene Chloride	ug/L	<0.58	50	50	56.9	57.2	114	114	68-137	1	20		
o-Xylene	ug/L	<0.26	50	50	53.0	52.8	106	106	70-130	0	20		
Styrene	ug/L	<3.0	50	50	56.1	53.3	112	107	70-130	5	20		
Tetrachloroethene	ug/L	<0.33	50	50	50.8	49.0	102	98	70-130	4	20		
Toluene	ug/L	<0.27	50	50	53.8	53.7	108	107	80-120	0	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	56.1	55.4	112	111	70-130	1	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	45.0	43.5	90	87	69-130	3	20		
Trichloroethene	ug/L	<0.26	50	50	56.6	55.4	113	111	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	59.8	60.8	120	122	74-157	2	20		
Vinyl chloride	ug/L	<0.17	50	50	52.0	53.1	104	106	51-140	2	20		
Xylene (Total)	ug/L	<1.5	150	150	164	163	109	108	70-130	0	20		
4-Bromofluorobenzene (S)	%						100	100	70-130				
Dibromofluoromethane (S)	%						104	104	70-130				
Toluene-d8 (S)	%						98	100	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch:	371877	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009, 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002

METHOD BLANK: 2150352 Matrix: Water
Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009, 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	11/19/20 15:21	

LABORATORY CONTROL SAMPLE: 2150353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	48.8	41.2	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150354 2150355

Parameter	Units	10539163004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	48.8	48.8	44.8	45.2	92	93	80-120	1	10	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

QC Batch: 372033	Analysis Method: SM 4500-S F (2000)
QC Batch Method: SM 4500-S F (2000)	Analysis Description: 4500S2F Sulfide, Iodometric
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40218622003, 40218622004

METHOD BLANK: 2151126 Matrix: Water

Associated Lab Samples: 40218622003, 40218622004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	11/20/20 15:06	

LABORATORY CONTROL SAMPLE: 2151127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	50	44.0	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2151128 2151129

Parameter	Units	2151128		2151129		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		10539589001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Sulfide	mg/L	ND	50	50	42.0	43.2	84	86	80-120	3	10	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch:	372752	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009

METHOD BLANK: 2154813 Matrix: Water
Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	12/03/20 21:51	

LABORATORY CONTROL SAMPLE: 2154814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2154815 2154816

Parameter	Units	40218320001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	179	200	200	393	390	107	105	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2154817 2154818

Parameter	Units	40218620001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	102	100	100	202	203	100	101	90-110	0	15	

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch: 372846 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002, 40218622003, 40218622004

METHOD BLANK: 2155372 Matrix: Water
Associated Lab Samples: 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002, 40218622003, 40218622004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.48J	2.0	12/04/20 13:34	

LABORATORY CONTROL SAMPLE: 2155373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2155374 2155375

Parameter	Units	2155374		2155375		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40218620010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Chloride	mg/L	158	200	200	380	382	111	112	90-110	0	15	M0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2155376 2155377

Parameter	Units	2155376		2155377		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40218469004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Chloride	mg/L	403	400	400	827	822	106	105	90-110	1	15		

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QUALITY CONTROL DATA

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

QC Batch:	372500	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009, 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002, 40218622003, 40218622004

METHOD BLANK: 2153709 Matrix: Water
Associated Lab Samples: 40218620001, 40218620002, 40218620003, 40218620004, 40218620005, 40218620006, 40218620007, 40218620008, 40218620009, 40218620010, 40218620011, 40218620012, 40218620013, 40218622001, 40218622002, 40218622003, 40218622004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	11/30/20 11:11	

LABORATORY CONTROL SAMPLE: 2153710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2153711 2153712

Parameter	Units	40218620009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.3	2.3	91	91	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2153713 2153714

Parameter	Units	40218447002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.53	2.5	2.5	2.9	2.9	94	94	90-110	1	20	

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QUALIFIERS

Project: 60428891 FV WIRE & STEEL

Pace Project No.: 40218620

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|--|
| 1q | Sample was received with headspace. |
| B | Analyte was detected in the associated method blank. |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40218620001	MW-11	EPA 8015B Modified	371808		
40218620002	PZ-2	EPA 8015B Modified	371808		
40218620003	MW-10	EPA 8015B Modified	371808		
40218620004	MW-4	EPA 8015B Modified	371808		
40218620005	MW-8	EPA 8015B Modified	371808		
40218620006	MW-3	EPA 8015B Modified	371808		
40218620007	MW-6	EPA 8015B Modified	371808		
40218620008	MW-7	EPA 8015B Modified	371808		
40218620009	MW-1C	EPA 8015B Modified	371963		
40218620010	MW-1A	EPA 8015B Modified	371963		
40218620011	MW-1B	EPA 8015B Modified	371963		
40218620012	MW-5	EPA 8015B Modified	371963		
40218620013	MW-13	EPA 8015B Modified	371963		
40218622001	MW-12	EPA 8015B Modified	371963		
40218622002	PZ-3	EPA 8015B Modified	371963		
40218622003	MW-14	EPA 8015B Modified	371963		
40218622004	MW-1	EPA 8015B Modified	371963		
40218620001	MW-11	EPA 8260	371788		
40218620002	PZ-2	EPA 8260	371788		
40218620003	MW-10	EPA 8260	371788		
40218620004	MW-4	EPA 8260	371788		
40218620005	MW-8	EPA 8260	371788		
40218620006	MW-3	EPA 8260	371788		
40218620007	MW-6	EPA 8260	371788		
40218620008	MW-7	EPA 8260	371788		
40218620009	MW-1C	EPA 8260	371788		
40218620010	MW-1A	EPA 8260	371788		
40218620011	MW-1B	EPA 8260	371788		
40218620012	MW-5	EPA 8260	371788		
40218620013	MW-13	EPA 8260	371788		
40218622001	MW-12	EPA 8260	371900		
40218622002	PZ-3	EPA 8260	371787		
40218622003	MW-14	EPA 8260	371787		
40218622004	MW-1	EPA 8260	371900		
40218622005	TB	EPA 8260	371900		
40218620001	MW-11	SM 4500-S F (2000)	371877		
40218620002	PZ-2	SM 4500-S F (2000)	371877		
40218620003	MW-10	SM 4500-S F (2000)	371877		
40218620004	MW-4	SM 4500-S F (2000)	371877		
40218620005	MW-8	SM 4500-S F (2000)	371877		
40218620006	MW-3	SM 4500-S F (2000)	371877		
40218620007	MW-6	SM 4500-S F (2000)	371877		
40218620008	MW-7	SM 4500-S F (2000)	371877		
40218620009	MW-1C	SM 4500-S F (2000)	371877		
40218620010	MW-1A	SM 4500-S F (2000)	371877		
40218620011	MW-1B	SM 4500-S F (2000)	371877		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60428891 FV WIRE & STEEL
Pace Project No.: 40218620

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40218620012	MW-5	SM 4500-S F (2000)	371877		
40218620013	MW-13	SM 4500-S F (2000)	371877		
40218622001	MW-12	SM 4500-S F (2000)	371877		
40218622002	PZ-3	SM 4500-S F (2000)	371877		
40218622003	MW-14	SM 4500-S F (2000)	372033		
40218622004	MW-1	SM 4500-S F (2000)	372033		
40218620001	MW-11	EPA 300.0	372752		
40218620002	PZ-2	EPA 300.0	372752		
40218620003	MW-10	EPA 300.0	372752		
40218620004	MW-4	EPA 300.0	372752		
40218620005	MW-8	EPA 300.0	372752		
40218620006	MW-3	EPA 300.0	372752		
40218620007	MW-6	EPA 300.0	372752		
40218620008	MW-7	EPA 300.0	372752		
40218620009	MW-1C	EPA 300.0	372752		
40218620010	MW-1A	EPA 300.0	372846		
40218620011	MW-1B	EPA 300.0	372846		
40218620012	MW-5	EPA 300.0	372846		
40218620013	MW-13	EPA 300.0	372846		
40218622001	MW-12	EPA 300.0	372846		
40218622002	PZ-3	EPA 300.0	372846		
40218622003	MW-14	EPA 300.0	372846		
40218622004	MW-1	EPA 300.0	372846		
40218620001	MW-11	EPA 353.2	372500		
40218620002	PZ-2	EPA 353.2	372500		
40218620003	MW-10	EPA 353.2	372500		
40218620004	MW-4	EPA 353.2	372500		
40218620005	MW-8	EPA 353.2	372500		
40218620006	MW-3	EPA 353.2	372500		
40218620007	MW-6	EPA 353.2	372500		
40218620008	MW-7	EPA 353.2	372500		
40218620009	MW-1C	EPA 353.2	372500		
40218620010	MW-1A	EPA 353.2	372500		
40218620011	MW-1B	EPA 353.2	372500		
40218620012	MW-5	EPA 353.2	372500		
40218620013	MW-13	EPA 353.2	372500		
40218622001	MW-12	EPA 353.2	372500		
40218622002	PZ-3	EPA 353.2	372500		
40218622003	MW-14	EPA 353.2	372500		
40218622004	MW-1	EPA 353.2	372500		

REPORT OF LABORATORY ANALYSIS

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Client Name: ALCON

Sample Preservation Receipt Form
Project # 40218020

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 209
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: Yes No N/A
Lab Lot# of pH paper: 100194 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: HP Date/Time:

Pace Lab #	Glass						Plastic						Vials					Jars			General			VOA Vials (>6mm) *				Volume (mL)							
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	H2SO4 pH ≤2		NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted			
001																																			2.5/5/10
002																																			2.5/5/10
003																																			2.5/5/10
004																																			2.5/5/10
005																																			2.5/5/10
006																																			2.5/5/10
007																																			2.5/5/10
008																																			2.5/5/10
009																																			2.5/5/10
010																																			2.5/5/10
011																																			2.5/5/10
012																																			2.5/5/10
013																																			2.5/5/10
014																																			2.5/5/10
015																																			2.5/5/10
016																																			2.5/5/10
017																																			2.5/5/10
018																																			2.5/5/10
019																																			2.5/5/10
020																																			2.5/5/10

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): Yes No N/A *if yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	500mL poly Zn Act
BG3U	250 mL clear glass unpres						



1241 Bellevue Street, Green Bay, WI 54302

Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020
Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: Accom

WO#: 40218620

40218620

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: NA /Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 11/18/20 /Initials: MR
Labeled By Initials: MR

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>MR11-18-a phone</u>
Chain of Custody Filled Out: <u>MR11-18-a</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>invoice company + address</u> <u>MR11-18-a</u>
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. _____
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. _____
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. _____
- VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. _____
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. _____
Sufficient Volume: For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>(2) MR11-18-a</u> <u>heavy sediment V094: 004-006, reat in (1)</u> <u>006 V094, heavy sediment BP22s: 004-006</u>
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. _____
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. _____
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. _____
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>004 time = 1220, 010 ID = PZ-MW1A,</u> <u>009 ID = PZ-MW1C, 011 ID = PZ-MW1B, 11/18/20</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>	
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>date illegible: 005 BP3U,</u> <u>009 ID begins w/ "PZ-" as well as 010-011</u> <u>MR11-18-a</u>
Trip Blank Custody Seals Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>455</u>	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: (1) ID of each vial analysis MR11-18-a

(Please Print Clearly)

Company Name: **AECOM**
 Branch/Location: **OSKOSH**
 Project Contact: **CHRIS LITMAN**
 Phone: **262-278-9823**
 Project Number: **60428891**
 Project Name: **FV WINE STEEL**
 Project State: **WI**
 Sampled By (Print): **CHRIS LITMAN**
 Sampled By (Sign): *[Signature]*
 PO #:



CHAIN OF CUSTODY

Preservation Codes:
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfite Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION (CODE)*

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-12	11/17	10:30	GW
002	P2-3	11/17	12:50	GW
003	MW-14	11/17	11:50	GW
004	MW-1	11/17	11:05	GW
005	DTB			

Y/N	Pick Letter	Analysis Requested
B	B	VOC by 8260
B	B	Methane, Ethane, Ethene
C	C	Nitrate + Nitrite
A	A	Chloride
G	G	Sulfide

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
<i>[Signature]</i>	11/18/20 7:20	<i>[Signature]</i>	11/18/20 7:20
<i>[Signature]</i>	11/18/20 10:50	<i>[Signature]</i>	11/18/20 1345

Received By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	11/18/20 7:20	<i>[Signature]</i>	11/18/20 7:20
<i>[Signature]</i>	11/18/20 10:50	<i>[Signature]</i>	11/18/20 1345

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Quote #: **4028622**

Mail To Contact: **Gary Braun**
 Mail To Company: **AECOM**
 Mail To Address: **1155 N River Center Dr Milwaukee, WI 53212**

Invoice To Contact: **Gary Braun**
 Invoice To Company: **AECOM**

CLIENT COMMENTS: **DTB received in shipment, lab added to coc.**

Receipt Temp = **105** °C
 Sample Receipt pH **6X** Adjusted
 Cooler Custody Seal Present / **Not Present**
 Intact / **Not Intact**



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020

Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Accom

WO#: **40218622**



Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: lot /Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:

Date: 11/18/20 Initials: SRK

Labeled By Initials: SRK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>PA#</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>11/18/20</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>DTB received in shipment, lab added to</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>COC.</u>
Pace Trip Blank Lot # (if purchased): <u>455</u>		<u>11/18/20</u>

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir