

Prepared for:  
**Trace-Mitchell Real Estate, LLC**

Prepared by:  
**Ramboll US Consulting, Inc.**  
**Milwaukee, Wisconsin**

Date:  
**October 15, 2021**

Ramboll Project:  
**1690020998**

# **NR 716 SITE INVESTIGATION**

**RETAIL STORE**

**1305 NORTH JOHNS STREET**

**DODGEVILLE, WISCONSIN**

**BRRTS NO. 02-25-587099**

## CONTENTS

<b>CERTIFICATION</b> .....	<b>iii</b>
<b>EXECUTIVE SUMMARY</b> .....	<b>iv</b>
<b>1. INTRODUCTION</b> .....	<b>1</b>
1.1 Site Location .....	1
1.2 Involved Parties.....	1
1.3 Site Background .....	2
1.4 Purpose and Scope of Site Investigation .....	5
<b>2. GEOLOGY AND RECEPTORS</b> .....	<b>6</b>
2.1 Geology/Soils .....	6
2.2 Potential Migration Pathways and Receptors .....	6
<b>3. SITE INVESTIGATION ACTIVITIES</b> .....	<b>8</b>
3.1 Health and Safety .....	8
3.2 Sub-Slab Soil Vapor Probe Installation and Sampling .....	8
3.3 Soil Boring Advancement, Screening, and Sample Analysis .....	8
3.4 Investigative Waste Management.....	9
<b>4. SITE INVESTIGATION RESULTS</b> .....	<b>10</b>
4.1 Field Observations.....	10
4.2 Laboratory Analytical Results.....	10
4.3 Discussion of Results .....	11
<b>5. CONCLUSIONS AND RECOMMENDATIONS</b> .....	<b>12</b>
<b>6. REFERENCES</b> .....	<b>14</b>

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## **TABLES**

Table 1:	Soil Analytical Results
Table 2:	Sub-Slab Vapor Analytical Results

## **FIGURES**

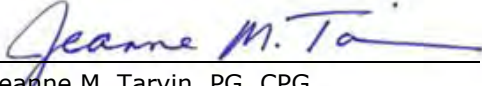
Figure 1:	Site Location Map
Figure 2:	Site Layout Map
Figure 3:	Geologic Cross-Section A-A' (Northwest-Northeast)
Figure 4:	Soil Analytical Results
Figure 5:	Sub-Slab Vapor Analytical Results

## **APPENDICES**

Appendix A:	WDNR BRRTS Documentation
Appendix B:	WDNR Endangered Resources Preliminary Assessment
Appendix C:	Potable Well Survey
Appendix D:	Boring Logs, and Abandonment Forms
Appendix E:	Soil and Vapor Laboratory Analytical Reports

## CERTIFICATION

I, Jeanne Tarvin, hereby certify that I am a hydrogeologist as that term is defined in NR 712.03(1), Wis. Adm. Code, and am registered under the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed under 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 NR 726, Wis. Adm. Code.

  
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Jeanne M. Tarvin, PG, CPG  
License No. G-307-13

\_\_\_\_\_  
October 15, 2021  
Date



## EXECUTIVE SUMMARY

Ramboll US Consulting, Inc. (Ramboll) was retained by Trace-Mitchell Real Estate, LLC to prepare this Wisconsin Administrative Code (WAC) NR 716 Site Investigation Report for the Trace-Mitchell Real Estate, LLC property located at 1305 North Johns Street, Dodgeville, Iowa County, Wisconsin (the "Site"). The site location is presented in **Figure 1**. The site layout depicting the site features is presented in **Figure 2**. This Report provides information required under WAC NR 716.

In June 2020, AEI Consultants, Inc. prepared a Phase I Environmental Site Assessment (ESA) for a potential property transaction. The ESA concluded that there was a Recognized Environmental Condition (the Site was used for dry cleaning). The prior owner stated that the dry cleaning operations used solvent-based chemicals in a closed-system machine. In July 2020, Ramboll advanced three shallow hand auger soil borings and installed six sub-slab Vapor Pins<sup>®</sup> to evaluate potential vapor intrusion beneath the building. Three volatile organic compounds (VOCs), including, tetrachloroethene (PCE), ethylbenzene, and dichlorodifluoromethane (DCDFM)<sup>1</sup>, were detected above residential sub-slab vapor risk screening levels (VRSLs) but below small commercial VRSLs at four of the six sub-slab soil vapor sampling points. On August 28, 2020, Ramboll submitted a Notification for Hazardous Substance Discharge to the Wisconsin Department of Natural Resources (WDNR), based on the results of the sub-slab residential VRSL exceedances. The WDNR issued a Responsible Party Letter to Trace-Mitchell Real Estate, LLC on October 5, 2020, assigning Bureau for Remediation and Redevelopment Tracking System (BRRTS) Case Number 02-25-587099 to the Site.

Site investigation activities were completed at the Site between July 2020 and March 2021. Based on the site investigation activities conducted to date, Ramboll concludes the following:

1. Based on six soil borings advanced at the Site, the site geology consists of fill from 2 to 8 feet below ground surface (bgs) underlain by native soils comprised primarily of silty clay to the top of bedrock. Limestone bedrock is encountered at 5 to 18 feet bgs. No odors or indications of contamination (photoionization detector readings, visual staining, etc.) were encountered during the advancement in any of the borings.
2. Based on a review of regional groundwater data available, groundwater in the area of the Site is documented in bedrock at 51 feet bgs with groundwater flow to the southeast and deeper groundwater flowing to the southwest. The Site is located within an area-wide chlorinated VOC (cVOC) groundwater plume.
3. Six soil borings were advanced at the Site to evaluate the soil for potential cVOC impacts. Boring and soil sampling were biased towards areas in and around the building where historical dry cleaning operations occurred (the dry cleaning machine was formerly located in the northeast portion of the building in the area of a floor drain). Borings were advanced at the floor drain, outside the back door (adjacent to the former dry cleaner operations), near the shed (potential dry cleaner chemical storage area), and adjacent to utility lines (underground gas, sewer, and water) to identify potential preferential pathways for vapor intrusion. Soil samples for VOC analysis were collected from depths ranging from 0.5 to 18 feet bgs. There were no VOC detections above the laboratory method detection limits (MDLs) in any of the borings except for the soil sample collected from near the drain in the northeast corner of the building (boring

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<sup>1</sup> DCDFM was detected at concentrations above the commercial VSRLs; however, it was determined to be related to a building material artifact (observed foam insulation installed below the concrete floor slab) and not to a release or discharge of a hazardous chemical to the environment.

- SB-1). The soil sample collected from boring SB-1 documented concentrations of ethylbenzene, dichlorodifluoromethane (DCDFM), and styrene; however, at concentrations below the applicable WAC NR 720 Residual Contaminant Levels (RCLs). There were no documented cVOC analytes detected in soils at the Site.
4. Ramboll performed two rounds of sub-slab vapor testing at the Site, one in July 2020 (during the cooling season) and one in March 2021 (during the heating season). The July 2020 sub-slab soil vapor sampling documented PCE and ethylbenzene concentrations above the residential VRSLs in two locations in the northeast portion of the building (SS-1 and SS-2) but well below the small commercial VRSLs across the building footprint. The March 2021 sub-slab soil vapor sampling event documented PCE and ethylbenzene sub-slab soil vapor concentrations well below the residential VRSLs across the building footprint. Based on sub-slab vapor testing during both a cooling and heating season, the sub-slab soil vapor concentrations are below the applicable small commercial VRSLs. Therefore, vapor intrusion at the Site is not a threat to building occupants based on the commercial Site use, and no vapor mitigation or further testing is necessary. Given the low detections of cVOC soil vapor concentrations below the building and the absence of high cVOC soil concentrations in soil samples along the utility corridors, soil vapor migration along the utility lines is not a pathway concern.
  5. The Site is located within a documented area-wide cVOC groundwater plume area. The source of the cVOC groundwater plume is the adjacent east and northeast property (located at 305 County Highway YZ, Dodgeville, Wisconsin), which is currently the location of the Humane Society. This adjacent site is listed as closed WDNR BRRTS Case Number 02-25-001456 (Advanced Photonix Inc./Silicon Sensors). Based on prior site investigations of BRRTS Case Number 02-25-001456, multiple sources of contamination in the site area have been identified but did not include the subject site. A groundwater plume containing 1,1-DCE, 1,2-dichloroethane, PCE, and TCE is present in the vicinity of Dave Baker Chevrolet and monitoring well W-8, located adjacent to the Site. A second plume consisting primarily of carbon tetrachloride appears to be centered around monitoring well W-3 and extends northward beyond W-1 and southward beyond the Township Garage. A third plume consisting primarily of TCE exists around the Township Garage, the Site, and Skip's and appears to extend northward to DMW No 7. Silicon Sensors was identified as the source of cVOC contamination around W-8 and the Dave Baker well. The second plume was associated with the Joe King Landfill near W-3, which was the center of a carbon tetrachloride plume. The W-3 well is located approximately 880 feet northwest of the Site. No carbon tetrachloride was detected in either well near the Site.

In summary, the additional site investigation activities have not documented a release of VOCs on site. PCE nor its degradation products have not been detected in soil on-Site indicating no releases related to prior dry cleaning operations. Although ethylbenzene, styrene, and DCDFM were detected at the one boring (SB-1) located interior to the building near a floor drain, the concentrations detected in SB-1 are significantly below WAC NR 720 RCLs. Because no releases have been documented requiring further investigation, no further investigation or remediation is required.

The Site is located within a documented area-wide cVOC groundwater plume, which is resulting in low-level PCE sub-slab vapor concentrations to be detected. Based on the latest round of sub-slab vapor testing in March 2021, PCE and ethylbenzene were not detected above residential VRSLs. A prior sub-slab sampling event in July 2020 detected PCE slightly above the residential VRSLs in two locations (SS-1 and SS-2) in the northeast portion of the building, but significantly below the small commercial VRSLs. The sub-slab vapor testing has documented no vapor intrusion risk to building occupants as

long as the Site use remains commercial or industrial. Therefore, vapor mitigation is not required. Based on the additional site investigation data collected, the low-level cVOC impacts in sub-slab vapor are likely related to the area-wide cVOC groundwater plume; therefore, Ramboll recommends no further action for the Site. Ramboll is submitting a site investigation report review fee to WDNR along with this report for concurrence with this conclusion. Following WDNR's concurrence that no further investigation or remedial action is necessary, Ramboll will prepare and submit a WAC NR 726 case closure package under separate cover. The closure package will include adding the Site to the WDNR database with a continuing obligation stating that the Site remain for commercial/industrial use due to the July 2020 soil vapor results (unless additional testing and/or mitigation is completed).

## 1. INTRODUCTION

Ramboll US Consulting, Inc. (Ramboll) was retained by Trace-Mitchell Real Estate, LLC to prepare this Wisconsin Administrative Code (WAC) NR 716 Site Investigation Report (SIR) for the Trace-Mitchell Real Estate, LLC property located at 1305 North Johns Street, Dodgeville, Iowa County, Wisconsin ("Site"). The site location is presented in **Figure 1**. The site layout depicting the site features is presented in **Figure 2**. This Report provides information required under WAC NR 716.

### 1.1 Site Location

The Site is located in the southeast  $\frac{1}{4}$  of the southwest  $\frac{1}{4}$  of Section 22, Township 06N, Range 03E of the Public Land Survey System. The Site is bounded by a commercial property (north); the Humane Society (former Silicone Sensors) to the east; Brown Street (south); and North Johns Street (west). The Parcel ID number and legal description obtained from the Iowa County Land Records Web Portal is as follows:

Parcel 216-1313 (with NAPA store)

Wisconsin Transverse Mercator coordinates - X: 509679; Y: 278215

Legal Description

LOT 16 BLOCK 2 BROWN'S SUBDIVISION EXC THAT PT OF SAID LOT 16 DESC AS BEG AT THE SW CORNER OF SAID LOT 16, TH N 28 DEG 57'08"W ALONG THE EASTERLY R.O.W. OF JOHNS ST, 32.25', TH S 68 DEG 33'20"E, 41.85', TH S 61 DEG 02'52"W ALONG THE SOUTHERLY R.O.W. LINE OF BROWN ST 26.68' TO THE POB

Parcel 216-1312 (vacant lot)

Wisconsin Transverse Mercator coordinates - X: 509707; Y: 278235

Legal Description

LOT 16 BLOCK 2 BROWN'S SUBDIVISION

### 1.2 Involved Parties

Responsible Party/Site Owner/Operator: Marla Mitchell  
Trace-Mitchell Real Estate, LLC  
3903 Berg Road  
Dodgeville, WI 53533  
Site Contact: Marla Mitchell, 608.574.5382,  
mommamitchell@charter.net

Environmental Consultant: Ramboll US Consulting, Inc.  
234 West Florida Street, Fifth Floor  
Milwaukee, WI 53204  
Contact: Richard Mazurkiewicz, 262.901.3502,  
rmazurkiewicz@ramboll.com

Agency: Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, WI 53711  
Contact: Caroline Rice, 608-219-2182,  
caroline.rice@wisconsin.gov

### 1.3 Site Background

The Site is comprised of two parcels (216-1313 [0.37 acre] and 216-1312 [0.40 acre]) located on the northeast corner of North Johns Street and Brown Street. The two parcels total 0.77 acre of land. The current single-story building (on parcel 216-1313) was constructed in 1982. There is one, one-story, building on the Site with a storage shed located at the northeast corner. The on-site building is approximately 5,000 square feet and built as a slab-on-grade foundation. Historically, the building housed dry-cleaning operations from approximately 1982 to 2003. Reportedly, the one dry-cleaning machine was a self-contained/closed-loop system. The building is currently occupied by NAPA Auto Parts, which is a retail store for automotive supplies (parts, tools, paint, etc.). The eastern portion of the Site is a vacant parcel that is entirely landscaped with grass and only contains a portion of the storage shed from the NAPA store operations (see **Figure 2**). According to the Phase I Environmental Site Assessment (ESA), cited below, the eastern parcel has always been vacant land.

In June 2020, AEI Consultants, Inc. prepared a Phase I ESA (the "2020 Phase I ESA report") for a potential sales transaction. The 2020 Phase I ESA report concluded that the Site had the following Recognized Environmental Condition (REC):

- **Former Dry-Cleaner:** Based on a review of historical records, a dry-cleaning facility was located on the Site from approximately 1982 to 2003. Dry-cleaning operations typically use chlorinated solvents, particularly tetrachloroethene (PCE), during the dry-cleaning process. These solvents, even when properly stored and handled, can readily migrate into the subsurface due to small releases associated with on-site operations. Chlorinated solvents are highly mobile chemicals that can easily accumulate in soil and soil gas and migrate to groundwater beneath a facility. However, according to the prior owner, Mr. Charlie King, the dry-cleaning operations used solvent-based chemicals in a closed-loop system machine. No known subsurface investigation has been performed on the Site. Based on this information, the former presence of a dry-cleaning operation on the Site represents evidence of a REC.

The June 2020 Phase I ESA report also identified the presence of an area-wide chlorinated volatile organic compound (cVOC) groundwater plume in the area. The source of the cVOC groundwater plume is the adjacent east and northeast property (located at 305 County Highway YZ, Dodgeville, Wisconsin), which is currently the location of the Humane Society. This adjacent site is listed as closed Wisconsin Department of Natural Resources (WDNR) Bureau of Remediation and Redevelopment Tracking System (BRRTS) Case Number 02-25-001456 (Advanced Photonix Inc./ Silicon Sensors). A copy of the 2020 Phase I ESA report was provided as Attachment B in Ramboll's November 13, 2020, No Action Required (NAR) request. The following paragraphs summarize Ramboll's review of BRRTS Case Number 02-25-001456 based on available online documentation.

The Silicon Sensors site had a release of trichloroethene (TCE), and other chlorinated compounds, in the late 1980s due to TCE being applied as weed control on the property. According to a 1992 *Phase I Dodgeville VOC Contamination Investigation* report prepared by STS Consultants Ltd (STS), multiple wells were sampled in the area in conjunction with the documented release including Dodgeville municipal well No 7 (DMW-7), private wells in the area, and 11 monitoring wells installed during a previous investigation in 1988-1989. Groundwater samples were analyzed for volatile organic compounds (VOCs). The monitoring wells closest to the Site, W-8 and Dave Baker Chevy and Buick private well, were located on the east and north adjoining properties, respectively. In June 1991, groundwater monitoring well W-8 had groundwater detections of 1,1-dichloroethene (1,1-DCE) at

110 micrograms per liter ( $\mu\text{g/L}$ ), 1,2-dichloroethane at 5.3  $\mu\text{g/L}$ , PCE at 148  $\mu\text{g/L}^2$ , and TCE at 2,900  $\mu\text{g/L}$  (**Appendix A**, Pg. 1). The latest sampling according to the 1992 STS report was conducted on November 20, 1991, at the Dave Baker well, and PCE was detected at 48<sup>3</sup>  $\mu\text{g/L}$ , 1,1,1-trichloroethane at 4.1  $\mu\text{g/L}$  and TCE at 200  $\mu\text{g/L}$  (**Appendix A**, Pg. 2).

The 1992 STS report identified multiple sources of contamination in the site area but did not identify the subject site as one of them. A groundwater plume containing 1,1-DCE, 1,2-dichloroethane, PCE, and TCE is present in the vicinity of Dave Baker Chevrolet and monitoring well W-8. A second plume consisting primarily of carbon tetrachloride appears to be centered around monitoring well W-3 and extends northward beyond W-1 and southward beyond the Township Garage. A third plume consisting primarily of TCE exists around the Township Garage, the Site, and Skip's and appears to extend northward to DMW No 7. Silicon Sensors was identified as the source of cVOC contamination around W-8 and the Dave Baker well (**Appendix A**, Pg. 3). The second plume was associated with the Joe King Landfill near W-3, which was the center of a carbon tetrachloride plume. The W-3 well is located approximately 880 feet northwest of the Site. No carbon tetrachloride was detected in either well near the Site.

STS identified an area-wide cVOC groundwater plume and recommended installing additional monitoring wells to determine the vertical and horizontal extent of the contamination. The groundwater table was documented to be present in bedrock at 51 feet below ground surface (bgs) with groundwater flow to the southeast (**Appendix A**, Pg. 4) and deeper groundwater flowing to the southwest (**Appendix A**, Pg. 5). In addition, fractured bedrock beneath the area trends northwest to southeast and northeast to southwest (**Appendix A**, Pg. 6), thus likely affecting groundwater flow beneath the Site. Groundwater flow can also be influenced by local topography, which is to the southwest of the Site (**Appendix A**, Pg. 7).

According to a subsequent 1993 *Dodgeville VOC Contamination Investigation Report* prepared by STS, additional investigative work focused on areas near Silicon Sensors, Municipal Well No. 7, and the Joe King Landfill. In June 1993, all groundwater monitoring wells, private wells, and DMW-7 were sampled. In June 1993, 1,1-DCE at 12  $\mu\text{g/L}$ , PCE at 130  $\mu\text{g/L}^4$ , and TCE at 13,000  $\mu\text{g/L}$  were detected in W-8. At the Dave Baker well, PCE was detected at 83  $\mu\text{g/L}^5$ , 1,1,1-trichloroethane at 23  $\mu\text{g/L}$ , and TCE at 510  $\mu\text{g/L}$ . Based on data from 1991 and 1993, STS identified a shallow TCE plume located in the area of W-8 and the Dave Baker well. The vertical and horizontal extent of these shallow TCE groundwater plumes were not defined in this investigation. The WAC NR 140 TCE Enforcement Standard (ES) was exceeded in samples collected from the Dave Baker and W-8 wells. PCE was detected in both the Dave Baker well and monitoring well W-8 in both 1991 and 1993. A summary of the private well data is provided in (**Appendix A**, Pg. 8).

Historically, TCE concentrations decreased in W-8 from 1989 to 1993 and increased in the Dave Baker Chevrolet well from 1991 to 1993. STS concluded in the 1993 report that the plume may be extending vertically and/or horizontally away from the Silicon Sensors source area. The fact that the Dave Baker Chevrolet potable well is impacted by PCE empirically documents groundwater

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<sup>2</sup> A concentration of PCE at 148  $\mu\text{g/L}$  is equivalent to 148,000 micrograms per cubic meter ( $\mu\text{g/m}^3$ ) (**Appendix B**).

<sup>3</sup> A concentration of PCE at 48  $\mu\text{g/L}$  is equivalent to 48,000  $\mu\text{g/m}^3$  (**Appendix B**).

<sup>4</sup> A concentration of PCE at 130  $\mu\text{g/L}$  is equivalent to 130,000  $\mu\text{g/m}^3$  (**Appendix B**).

<sup>5</sup> A concentration of PCE at 83  $\mu\text{g/L}$  is equivalent to 83,000  $\mu\text{g/m}^3$  (**Appendix B**).

contamination at depth and is supported by area-wide data that documents negative vertical gradients (a downward groundwater flow; [Appendix A, Pg. 9]). STS recommended that the potential source of contaminants in the unsaturated zone at Silicon Sensors be delineated and remediated. Silicon Sensors appears to be the source of contamination documented in monitoring well MW-8 and the cross-gradient private Dave Baker Chevrolet potable well (Appendix A, Pg.10). No further documentation related to investigation work is in the BRRTS file.

On October 25, 2006, the Silicon Sensors site received a closure letter from the WDNR. The letter stipulates that an asphalt cap should be maintained over the impacted area and the soils must not be disturbed.

Vapor sampling was conducted in March 2019 at the Iowa County Humane Society/Former Silicon Sensors (305 County Road YZ). Five vapor samples were collected; two soil gas samples and three sub-slab samples. The samples were analyzed for VOCs. Although no compounds were detected at concentrations exceeding the commercial Vapor Risk Screening Levels (VRSLs) for the samples media/location, PCE was detected in both of the soil gas samples and two of the sub-slab vapor samples. Three compounds were present above the indoor air vapor action level standard. These included TCE and acrolein in soil gas at SG-1 and chloroform in sub-slab vapors at SS-3.

Based on Ramboll's review of the above information, the extent of groundwater contamination was not defined and well W-8, which is located 200 feet east of the Site. Potable well W-8 had elevated cVOCs including PCE and TCE in 1993 (the last sampling round based on the BRRTS document review). Therefore, Ramboll concluded that the area-wide cVOC groundwater impacts are a potential source of vapor risk to the Site. Because of the area-wide plume and the former use of the Site as a dry cleaner identified in the 2020 Phase I ESA, Ramboll recommended a Phase II ESA be conducted consisting of sub-slab vapor testing and limited soil investigation on the Site.

On July 7, 2020, Ramboll (on behalf of Motor Parts & Equipment Corporation) completed a limited Phase II ESA, based on a review of the historical site investigation activities and focusing on the historical use of the Site as a dry-cleaner. Ramboll advanced three shallow soil borings in the northeast portion of the building, where historical dry-cleaning operations occurred. Shallow soils consisted of brown sand and gravel fill down to 1 to 2.5 feet bgs were encountered underlain by silty clay. There were minimal photoionization detector (PID) measurements (0 to 3.1 instrument units [IU]<sup>6</sup>) in soil samples collected from all three borings (the highest were observed in soil samples collected from boring SB-1, located near the drain inside the building). There were only three VOC analytes detected in soil including dichlorodifluoromethane (DCDFM)<sup>7</sup>, ethylbenzene, and styrene; however, none of the VOCs were detected at concentrations above the WAC NR 720 Residual Contaminant Levels (RCLs). The detected analytes were only present in the soil sample collected from boring SB-1 (located near the drain inside the building). These analytes appear to be related to current site use activities and building materials and are not indicative of historical dry-cleaning operations. VOCs were not detected in samples collected from borings SB-2 (located outside the

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<sup>6</sup> I.U. are equivalent to parts per million (ppm), based on instrument calibration (100 ppm isobutylene in air standard) and lamp power (10.6 electron volts).

<sup>7</sup> Determined to be related to a building material artifact (Ramboll observed foam insulation installed below the concrete floor slab) and not to a release or discharge of a hazardous chemical to the environment.

garage door at the northeast corner of the building) and SB-3 (located outside the shed door near the northeast corner of the building).

Additionally, on July 7, 2020, Ramboll installed and sampled six temporary sub-slab Vapor Pins® in locations to represent the entire slab-on-grade building floor (with extra Vapor Pins® located at the former dry-cleaning area and the northeast corner of the building). Three VOC analytes (PCE, ethylbenzene, and DCDFM) were detected above residential sub-slab vapor risk screening levels (VRSLs) at all six sub-slab sampling locations. The concentrations of PCE and ethylbenzene were detected below the applicable small commercial building VRSLs over the majority of the building footprint, except for PCE at two locations (SS-1 and SS-2) that were located in the northeast portion of the building. PCE was detected slightly above the residential VRSL of 1,400 µg/m<sup>3</sup> at SS-1 (1,910 µg/m<sup>3</sup>) and SS-2 (1,410 µg/m<sup>3</sup>), but well below the small commercial VRSL of 6,000 µg/m<sup>3</sup> at these two locations. Only DCDFM was detected at concentrations above the small commercial VRSL (in all six sub-slab vapor samples). However, the DCDFM found in the sub-slab soil vapor samples is related to insulating foam building materials used in construction (foamboard was observed beneath the concrete slab in boring SB-1), and not to a release or discharge of a hazardous chemical to the environment.

On August 28, 2020, Ramboll submitted a Notification for Hazardous Substance Discharge to the WDNR for the Site, based on the results of the sub-slab residential VRSL exceedances. Subsequently, the WDNR issued a Responsible Party Letter to Trace-Mitchell Real Estate, LLC on October 5, 2020, assigning BRRTS Case Number 02-25-587099 to the Site.

Ramboll submitted a NAR request to the WDNR on November 13, 2020. In a letter dated January 28, 2021, the WDNR denied Ramboll's NAR request stating that additional site investigation is required to assess the origin of the PCE vapors beneath the building at the Site. Ramboll was retained by Trace-Mitchell Real Estate, LLC to conduct further site investigative activities as discussed below.

#### **1.4 Purpose and Scope of Site Investigation**

The purpose of this report is to present a summary of the WAC NR 716 site investigation activities and assist in defining the nature, degree, and extent of contamination; define the source or sources of contamination; determine the need for an interim and/or remedial action, and provide the information needed to select an interim and/or remedial action.



## 2. GEOLOGY AND RECEPTORS

An evaluation of the physical setting of the Site was completed to assess the potential for migration of hazardous substances and/or VOCs onto the Site from one or more off-site source(s) and to assess the potential for releases on the Site to impact groundwater, soil, and soil gas.

### 2.1 Geology/Soils

Based on the topographic map (**Figure 1**), the surface elevation of the Site is approximately 1,240 feet above Mean Sea Level. The Site appears relatively level.

The Site lies in the unglaciated part of southwestern Wisconsin. According to the United States Department of Agriculture Web Soil Survey, the surficial geology in the vicinity of the Site consists of two units of the loess deposited Dodgeville silt loams. The Dodgeville silt loams consist of moderately eroded silt and silty clay loams at 0 to 2 percent slopes and 2 to 6 percent slopes. The silt loam overlies the Galena and Platteville dolomite bedrock formations. The depth of the bedrock in the area likely varies. A well log (8EP556), which is located approximately 600 feet north of the Site, was obtained from the WDNR Well Construction reports website and indicates the depth to bedrock was at 3 feet bgs (the log indicated clay from 0 to 3 feet bgs, Galena Dolomite 3 to 140 feet bgs, and Trenton Limestone 140 to 142 feet bgs.) Bedrock at the Site slopes to the southwest, based on Ramboll's site investigation activities.

No potable or site investigation wells are currently present on the Site. However, according to the 1993 Dodgeville VOC Contamination Investigation Report prepared by STS, the water table is estimated to be about 51 feet bgs in the vicinity of the Site. The water table gradient (direction of groundwater flow) was estimated to be generally to the east-southeast. However, the flow likely varies and can follow the land surface topography in the area, which is to the southwest<sup>8</sup> (**Appendix A**, Ramboll Pg. 1) and can follow the dolomite bedrock fracture directions that are present trending in a northwest-southeast and northeast-southwest<sup>8</sup> (**Appendix A**, Ramboll Pg. 5). In addition, historical site investigation reports of properties surrounding the site document Silicone Sensors as the source of cVOC contamination in the former Dave Baker Chevrolet potable well on the property located immediately to the north of the Site, presuming a southwest<sup>8</sup> groundwater flow gradient. The depth and gradient of the water table likely also vary seasonally with changes in precipitation and response to development in the area, including impervious surfaces, storm water controls, and pumping wells (domestic, industrial, or irrigation). No surface water bodies are on the Site.

### 2.2 Potential Migration Pathways and Receptors

#### Surface Water Bodies and Sensitive Environments and Receptors

No lakes or ponds exist on the Site. The Dodge Branch of the Pecatonica River is located approximately 3,430 feet southeast of the Site's southern property boundary. The second nearest water body is Cox Hollow Lake, which is located approximately 2.25 miles to the northeast of the Site. There are no known sensitive species, habitats, or ecosystems in the vicinity of the Site.

The WDNR endangered species Natural Heritage Inventory Township Tool lists 5 birds, one butterfly, one dragonfly, one fish, two frogsseven plants, and two communities, and one turtle as either

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<sup>8</sup> From the former Silicone Sensors property to the Site.

endangered, threatened or a species of concern for Township 06N, Range 03E (WDNR, 10/14/2021). The entire western portion of the Site is developed, and given that there are limited residual VOC impacts in soil on the developed portion of the Site, these impacts are not expected to adversely affect endangered or threatened species at the Site. Concerning the vacant parcel portion of the Site to the east of the NAPA building, the limited residual VOC impacts in soil on the developed portion of the Site also are not expected to adversely affect endangered or threatened species at the Site. The WDNR Endangered Resources Preliminary Assessment report and Township and Range Endangered Species Table is provided in **Appendix B**.

#### **Potable Well Survey**

Ramboll performed a potable well survey for wells within 1,200 feet of the Site (WDNR, July 23, 2021). There is one record for a well within 1,200 feet of the Site. The location of this well is illustrated in Figure 1E presented in **Appendix C**. The well is located up-gradient of the Site. The well construction record is also included in **Appendix C**. The Site, and surrounding properties within 1,200 feet of the Site, are in an area serviced by the City of Dodgeville water supply. The City of Dodgeville obtains its potable water from the City of Dodgeville Water Department which obtains its water from five wells that average a depth of about 800 feet bgs.

Ramboll also reviewed the online Wisconsin Water Quantity Viewer for high-capacity wells. There were two entries located within 2 square miles around the Site (the viewer limits the location information of high-capacity well locations for homeland security purposes). The general locations of the high capacity withdrawal locations are shown on maps along with a list providing the withdrawal operators in **Appendix D**. The Site is not a threat to potable wells because the Site (and surrounding area) is provided potable water by the City of Dodgeville through an existing Boundary Agreement, the majority of the town is served by private systems.

#### **Utilities**

Underground electrical, communications, and gas services come onto the property from the north. Water, sanitary, and stormwater services come onto the property from the south. All of these utilities are situated within silty clay or fill that is present locally on the Site. These utilities are not conduits of contamination as further discussed in Section 4.3.1.

### 3. SITE INVESTIGATION ACTIVITIES

Based on additional information required by the WDNR (Project Manager, Caroline Rice in January 2021), and items discussed in the January 2021 WDNR NAR response letter, the objectives of this site investigation were to: 1) verify that soil vapor concentrations of PCE and ethylbenzene are below the small commercial building sub-slab VRSLs during the heating season (in comparison to Ramboll's July 2020 sub-slab soil vapor sampling); 2) evaluate the potential for deeper cVOC impacts in soil; 3) evaluate the primary soil type at the Site; 4) research the depth to groundwater and the local groundwater flow directions at nearby sites to determine if the Site lies within an area-wide cVOC groundwater plume; and 5) evaluate potential preferential pathways for vapor intrusion along utility lines.

#### 3.1 Health and Safety

Before the implementation of field activities, Ramboll prepared a site-specific Health and Safety Plan (HASP) to address health and safety issues related to the proposed field activities. Ramboll reviewed the HASP with all field personnel before commencing the field activities. Ramboll also prepared and followed a COVID-19 safety plan that complied with state and Center for Disease Control protocols.

#### 3.2 Sub-Slab Soil Vapor Probe Installation and Sampling

Ramboll performed a second round of sub-slab soil vapor sampling to confirm the results documented in July 2020 (i.e., to verify the concentrations of PCE and ethylbenzene are below the applicable small commercial building sub-slab VRSLs, as documented in July 2020). The second round of soil vapor sampling was completed on March 12, 2021, to monitor potential seasonal variability and to confirm that the detected July 2020 PCE sub-slab vapor concentrations continue to be below the applicable small commercial VRSLs. Ramboll installed six sub-slab Vapor Pins<sup>®9</sup> (SS-1 through SS-6) at the same locations as the July 2020 sub-slab soil vapor sampling event at the Site. The locations of the sub-slab vapor sampling points covered the entire building (with four probes) and also focused two probes near the former dry-cleaning machine that was formerly located near the northeast portion of the building. The locations of the sub-slab vapor sample locations are depicted in **Figure 2**.

Ramboll performed and documented shut-in (line leak) testing using a hand-operated vacuum pump to hold a vacuum of approximately 30 inches of mercury for 1 minute. Ramboll verified the Vapor Pin<sup>®</sup> seal using the water dam method (i.e., sealing a piece of polyvinyl chloride tube with plumbers' putty to create a mote around the Vapor Pin<sup>®</sup>). If the water level stays static during the sub-slab soil vapor sampling, the Vapor Pin<sup>®</sup> is considered sealed. All sub-slab vapor samples were analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15. The Vapor Pins<sup>®</sup> were not abandoned.

#### 3.3 Soil Boring Advancement, Screening, and Sample Analysis

Ramboll advanced three soil borings (SB-4, SB-5, and SB-6) to 20 feet bgs, or to bedrock (whichever was encountered first). The locations of the soil borings are depicted in **Figure 2**. Before mobilization for drilling activities, Diggers Hotline was contacted to mark out public utility locations on the Site. Likewise, Ramboll contracted Subsurface Radar Solutions, Inc., a private utility locator, to locate and

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<sup>9</sup> Vapor Pin<sup>®</sup> is a registered trademark used by Cox-Colvin & Associates located in Plain City, Ohio.

clear any on-site subsurface private utilities, structures, or obstructions within the immediate vicinity of the proposed boring locations.

All three borings were advanced to evaluate potential deeper cVOC impacts in soil and to evaluate the soil type at the Site. Borings SB-5 and SB-6 were advanced along the utility lines leading to the on-site building to evaluate potential preferential pathways for vapors (primarily PCE and ethylbenzene) to enter the building. The soil borings were advanced using a direct push drill rig to collect soil samples. Soils were continuously collected from polyvinyl chloride sleeves inside the direct-push (5 feet long, 2-inch diameter stainless steel) samplers. Soil characteristics were recorded in the field and screened for total VOCs using a PID equipped with a 10.6 electron volt lamp. The PID was calibrated and zeroed in the field according to the manufacturer's instructions, using 100 ppm isobutylene span gas and air (zero gas), and checked between each screening event for proper response. The PID readings and any organoleptic evidence of contamination were recorded on boring logs **Appendix D**. Up to two vadose zone soil samples were collected from each boring, one from the depth interval showing the greatest evidence of impacts/highest PID reading (if present) and one from the soil boring termination depth. Where no evidence of impacts was found, soil samples were collected from the depth of the utilities and one from the soil boring termination depth. All soil samples were analyzed for VOCs via USEPA Method 8260B.

### **3.4 Investigative Waste Management**

Following soil sample collection activities, all soil borings were abandoned with the soil cuttings from each boring. The cuttings were compacted using drilling rods and any excess space in the borings was filled with 3/8-inch chipped bentonite swelling clay. Each boring was completed with a surface patch matching the surrounding material (grass). Boring abandonment forms are provided in **Appendix D**.

## 4. SITE INVESTIGATION RESULTS

### 4.1 Field Observations

#### 4.1.1 Soil

The soil observed during the field investigations consists of fill soils (loose silty sand, silty clay, and clayey silt with variable amounts of sand, gravel, and organic material) from 2 to 8 feet bgs. Native soils consist primarily of silty clay with traces of sand to 18 feet bgs (SB-4). Limestone bedrock was encountered at 5 feet bgs in boring SB-6, 13 feet bgs in boring SB-5, and at 18 feet bgs in boring SB-4 (bedrock at the Site slopes to the southwest). No odors or other indications of contamination were encountered during the advancement of the three borings. Minimal PID measurements were measured that ranged from 0.0 to 0.3 I.U., with the highest PID reading at 2 to 3 feet bgs in boring SB-4. Low permeability silty clays would tend to impede or lessen the effects of vapor intrusion into the building at the Site. No groundwater was observed in any of the borings. A geological cross-section illustrating the subsurface features at the Site is provided in **Figure 3**.

#### 4.1.2 Sub-Slab Soil Vapor

Pre-sub-slab vapor sampling PID screening measurements ranged from 0.5 to 2.2 I.U., with the highest PID reading identified at SS-1 (located near the northeast corner of the building). There were no obvious odors detected while completing the soil vapor testing. Vapor probe ambient flow was measured with a micromanometer in the field before sampling, measurements ranged from 0.000 to 0.010-inch of water, with the highest reading identified at SS-5.

### 4.2 Laboratory Analytical Results

#### 4.2.1 Soil

In April 2021, Ramboll collected three shallow soil samples (SB-4 at 1 to 2 feet bgs, SB-5 at 1 to 2 feet bgs, and SB-6 at 1 to 2 feet bgs) and three deep soil samples just above the limestone bedrock (SB-4 at 17 to 18 feet bgs, SB-5 at 12 to 13 feet bgs, and SB-6 at 4 to 5 feet bgs). There were no VOC detections above laboratory Method Detection Limits (MDL) in soil samples collected from any of the 2021 borings. In total, the soil samples collected at the Site do not show evidence of any VOC impacts, except for the sample collected at 1 to 2 feet bgs in boring SB-1 (at the floor drain located in the northwest corner of the building). The detected ethylbenzene, styrene, and DCDFM concentrations were well below the WAC NR 720 Residual Contaminant Levels (RCLs). There is no evidence of a release from the former closed-loop dry cleaning system, based on the soil sampling performed at the Site. Neither does it appear that vapor intrusion is following potential preferential pathways along the gas, sewer, and water utility lines, based on data from borings SB-5 and SB-6 and the absence of significant soil vapor concentrations below the building. A summary of soil analytical results is included in **Table 1** and the spatial distribution of soil data is illustrated in **Figure 4**. The soil laboratory analytical report are provided in **Appendix E**.

#### 4.2.2 Sub-Slab Soil Vapor

In March 2021 (during the heating season), Ramboll collected a second round of sub-slab soil vapor samples to confirm the results documented in July 2020 (during the cooling season), i.e. to verify that the concentrations of PCE and ethylbenzene are below the applicable small commercial building sub-slab VRSLs. Similar to the July 2020 sampling, DCDFM concentrations were detected above the applicable small commercial building sub-slab VRSLs (15,000  $\mu\text{g}/\text{m}^3$ ) in all of the samples: SS-1 (88,700  $\mu\text{g}/\text{m}^3$ ), SS-2 (101,000  $\mu\text{g}/\text{m}^3$ ), SS-3 (39,200  $\mu\text{g}/\text{m}^3$ ), SS-4 (6,7600  $\mu\text{g}/\text{m}^3$ ), SS-5 (60,200  $\mu\text{g}/\text{m}^3$ ), and SS-6 (29,100  $\mu\text{g}/\text{m}^3$ ). Both PCE and ethylbenzene concentrations were below

the residential VRSLs during the March 2021 heating season sub-slab sampling event (when the potential for vapor intrusion is highest in a building (i.e., when the stack effect is strongest [WDNR, January 2018])). Therefore, PCE and ethylbenzene were detected below the applicable small commercial building sub-slab VRSLs based on two rounds of vapor sampling. A summary of soil vapor analytical results is included in **Table 2**. The spatial distribution of the sub-slab soil vapor results is illustrated in **Figure 5**. The sub-slab vapor laboratory analytical report is provided in **Appendix E**.

## **4.3 Discussion of Results**

### **4.3.1 Soil**

Based on the shallow soil samples collected in six soil borings across the Site, PCE nor its degradation products were not detected in soil. Although ethylbenzene, styrene, and DCDFM were detected at one soil boring (SB-1) located interior to the building near a floor drain, the concentrations detected in SB-1 are significantly below WAC NR 720 RCLs. The deeper soil samples collected from the three additional soil borings completed in April 2021 indicate that there are no deep cVOC impacts in soil at the Site. The soil sampling to date has not documented a release of cVOCs on site. Additionally, based on the soil boring logs the soil below the surficial fill soil is low permeability silty clay, which should reduce the migration of soil vapors from the potentially impacted groundwater table encountered at 51 feet bgs, based on the area-wide PCE and TCE area-wide groundwater plume. The samples taken from the soil borings advanced along the utility lines around the on-site building indicate that the utility lines are not a preferential pathway for vapor intrusion.

### **4.3.2 Sub-Slab Soil Vapor**

The second round of soil vapor sampling was completed on March 12, 2021, to monitor potential seasonal variability and to address the detected PCE sub-slab vapor concentrations that were detected in two locations in the northeast corner of the building (SS-1 and SS-2) above the residential VRSL (in July 2020) but well below the applicable small commercial VRSL. The second round of sub-slab soil vapor sampling documented concentrations of PCE and ethylbenzene below the residential sub-slab VRSLs. The DCDFM found in the sub-slab soil vapor samples is related to insulating foam (foamboard was observed beneath the concrete slab in boring SB-1), and not to a release or discharge of a hazardous chemical to the environment. The sub-slab vapor sampling conducted at the Site documents PCE and ethylbenzene concentrations are below the applicable small commercial VRSLs and vapor mitigation is not required under commercial/industrial use. Therefore, vapor intrusion is not a threat to commercial site occupants. Given the low detections of cVOC soil vapor concentrations below the building and the absence of high cVOC soil concentrations in soil samples along the utility corridors, soil vapor migration along the utility lines is not a pathway concern.

## 5. CONCLUSIONS AND RECOMMENDATIONS

In March and April 2021, Ramboll (on behalf of Trace-Mitchell Real Estate, LLC) completed additional soil vapor and soil sampling at the direction of the WDNR. The objectives of the additional site investigation activities were to: 1) verify that soil vapor concentrations of PCE and ethylbenzene are below the small commercial building sub-slab VRSLs during the heating season (in comparison to Ramboll's July 2020 sub-slab soil vapor sampling); 2) evaluate the potential for deeper cVOC impacts in soil; 3) evaluate the primary soil type at the Site; 4) research the depth to groundwater and the local groundwater flow directions at nearby sites to determine if the Site lies within an area-wide cVOC groundwater plume; and 5) evaluate potential preferential pathways for vapor intrusion along utility lines.

Site investigation activities were completed at the Site between July 2020 and March 2021. Based on the site investigation activities conducted to date, Ramboll concludes the following:

1. Based on six soil borings advanced at the Site, the site geology consists of fill from 2 to 8 feet bgs underlain by native soils comprised primarily of silty clay to the top of bedrock. Limestone bedrock is encountered at 5 to 18 feet bgs (bedrock at the Site slopes to the southwest). No odors or indications of contamination (PID readings, visual staining, etc.) were encountered during the advancement in any of the borings.
2. Based on a review of regional groundwater data available, groundwater in the area of the Site is documented in bedrock at 51 feet bgs with groundwater flow to the southeast and deeper groundwater flowing to the southwest. The Site is located within an area-wide cVOC groundwater plume.
3. Six soil borings were advanced at the Site to evaluate the soil for potential cVOC impacts. Boring and soil sampling was biased towards areas in and around the building where historical dry cleaning operations occurred (the dry cleaning machine was formerly located in the northeast portion of the building in the area of a floor drain). Borings were advanced at the floor drain, outside the back door (adjacent to the former dry cleaner operations), near the shed (potential dry cleaner chemical storage area), and adjacent to utility lines (underground gas, sewer, and water) to identify potential preferential pathways for vapor intrusion. Soil samples for VOC analysis were collected from depths ranging from 0.5 to 18 feet bgs. There were no VOC detections above the laboratory MDLs in any of the borings except for the soil sample collected from near the drain in the northeast corner of the building (boring SB-1). The soil sample collected from boring SB-1 documented concentrations of ethylbenzene, DCDFM, and styrene; however, at concentrations below the applicable WAC NR 720 RCLs. There were no documented cVOC analytes detected in soils at the Site.
4. Ramboll performed two rounds of sub-slab vapor testing at the Site, one in July 2020 (during the cooling season) and one in March 2021 (during the heating season). The July 2020 sub-slab soil vapor sampling documented PCE and ethylbenzene concentrations above the residential VRSLs in two locations in the northeast portion of the building (SS-1 and SS-2) but well below the small commercial VRSLs across the building footprint. The March 2021 sub-slab soil vapor sampling event documented PCE and ethylbenzene sub-slab soil vapor concentrations well below the residential VRSLs across the building footprint. Based on sub-slab vapor testing during both a cooling and heating season, the sub-slab soil vapor concentrations are below the applicable small commercial VRSLs. Therefore, vapor intrusion at the Site is not a threat to building occupants based on the commercial site use, and no vapor mitigation or further testing is necessary. Given

the low detections of cVOC soil vapor concentrations below the building and the absence of high cVOC soil concentrations in soil samples along the utility corridors, soil vapor migration along the utility lines is not a pathway concern.

5. The Site is located within a documented area-wide cVOC groundwater plume area. The source of the cVOC groundwater plume is the adjacent east and northeast property (located at 305 County Highway YZ, Dodgeville, Wisconsin), which is currently the location of the Humane Society. This adjacent site is listed as closed WDNR BRRTS Case Number 02-25-001456 (Advanced Photonix Inc./Silicon Sensors). Based on prior site investigations of surrounding properties, including BRRTS Case Number 02-25-001456 (Silicon Sensors), multiple sources of contamination in the site area have been identified but did not include the subject site. A groundwater plume containing 1,1-DCE, 1,2-dichloroethane, PCE, and TCE is present in the vicinity of Dave Baker Chevrolet and monitoring well W-8, located adjacent to the Site. A second plume consisting primarily of carbon tetrachloride appears to be centered around monitoring well W-3 and extends northward beyond W-1 and southward beyond the Township Garage. A third plume consisting primarily of TCE exists around the Township Garage, the Site, and Skip's and appears to extend northward to DMW No 7. Silicon Sensors was identified as the source of cVOC contamination around W-8 and the Dave Baker well (**Appendix A**, Pg. 3). The second plume was associated with the Joe King Landfill near W-3, which was the center of a carbon tetrachloride plume. Well W-3 is located approximately 880 feet northwest of the Site. No carbon tetrachloride was detected in either well near the Site.

In summary, the additional site investigation activities have not documented a release of VOCs on-Site. PCE nor its degradation products have not been detected in soil on site indicating no releases related to prior dry cleaning operations. Although ethylbenzene, styrene, and DCDFM were detected at the one boring (SB-1) located interior to the building near a floor drain, the concentrations detected in SB-1 are significantly below WAC NR 720 RCLs. Because no releases have been documented requiring further investigation, no further investigation or remediation is required.

The Site is located within a documented area-wide cVOC groundwater plume, which is resulting in low-level PCE sub-slab vapor concentrations to be detected. Based on the latest round of sub-slab vapor testing in March 2021, PCE and ethylbenzene were not detected above residential VRSLs. A prior sub-slab sampling event in July 2020 detected PCE slightly above the residential VSRLs in two locations (SS-1 and SS-2) in the northeast portion of the building, but significantly below the small commercial VRSLs. The sub-slab vapor testing has documented no vapor intrusion risk to building occupants as long as the site use remains commercial or industrial. Therefore, vapor mitigation is not required. Based on the additional site investigation data collected, the low-level cVOC impacts in sub-slab vapor are likely related to the area-wide cVOC groundwater plume; therefore, Ramboll recommends no further action for the Site. Ramboll is submitting a *Site Investigation Report* review fee to WDNR along with this report for concurrence with this conclusion. Following WDNR's concurrence that no further investigation or remedial action is necessary, Ramboll will prepare and submit a WAC NR 726 case closure package under separate cover. The closure package will include adding the Site to the WDNR database with a continuing obligation stating that the Site remain for commercial/industrial use due to the July 2020 soil vapor results (unless additional testing and/or mitigation is completed).



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## TABLES

**Table 1**  
**Soil Analytical Results**  
Former Dry Cleaner  
1305 N Johns Street  
Dodgeville, Wisconsin  
Ramboll Project 1690018043

Parameters	Soil RCLs			SB-1 (1-2)	SB-2 (0.5-1.5)	SB-3 (2-3)	SB-4 (1-2)	SB-4 (17-18)	SB-5 (1-2)	SB-5 (12-13)	SB-6 (1-2)	SB-6 (4-5)
	Non-Industrial Direct Contact	Industrial Direct Contact	Groundwater Pathway	7/7/2020	7/7/2020	7/7/2020	4/23/2021	4/23/2021	4/23/2021	4/23/2021	4/23/2021	4/23/2021
<b>PID I.U.</b>				3.0	1.5	0.0	0.2	0.2	0.1	0.1	0.2	0.2
<b>VOCs (µg/kg)</b>												
Dichlorodifluoromethane	126,000	530,000	3,086.3	647	<25.0	<25.0	<31.4	<60.7	<32.8	<49.5	<34.5	<34.3
Ethylbenzene	8,020	35,400	1,570	62.2 <sup>J</sup>	<25.0	<25.0	<17.4	<33.6	<18.1	<27.4	<19.1	<19.0
Styrene	867,000	867,000	220	131	<25.0	<25.0	<18.7	<36.1	<19.5	<29.4	<20.5	<20.4

**Notes:**

Only detected parameters are displayed in the above table.  
VOCs = Volatile Organic Compounds  
Sample depth (in feet below grade) shown in parentheses.  
PID = Photoionization Detector.  
IU = Instrument Units, equivalent to parts per million based on bulb intensity and machine calibration.  
RCL = Residual Contaminant Level  
µg/kg = micrograms per kilogram  
<sup>J</sup> = Laboratory flag indicating that results reported between the Method Detection Limit and Limit of Quantitation (LOQ), which is a result that is less certain than results at or above the LOQ.  
Soil RCLs established by the WDNR RR program using the EPA's RSL web-calculator with WAC NR 720 default parameters (WDNR PUB-RR-890, June 2014 - updated RCL spreadsheet, December 2018).

**Table 2. Sub-Slab Vapor Analytical Results  
Former Dry Cleaner  
1305 N Johns Street  
Dodgeville, Wisconsin  
Ramboll Project No. 1690020998**

Parameters	Residential				Small Commercial				USEPA RSL Basis <sup>(2)</sup>	SS-1		SS-2		SS-3		
	Analyte (µg/m <sup>3</sup> ) <sup>(1)</sup>	CAS No.	Indoor Air VAL (1 E -5)	Sub-Slab Vapor VRSL (33.3 x)	Indoor Air VAL (HI = 1)	Sub-Slab Vapor VRSL (33.3 x)	Indoor Air VAL (1 E -5)	Sub-Slab Vapor VRSL (33.3 x)		Indoor Air VAL (HI = 1)	Sub-Slab Vapor VRSL (33.3 x)	--	7/7/2020	3/12/2021	7/7/2020	3/12/2021
Acetone	67-64-1	--	--	32000	<b>1100000</b>	--	--	140000	<b>4700000</b>	nc	2510	685 E	421	371	459	178
Benzene	71-43-2	3.6	<b>120</b>	31	1000	16	<b>530</b>	130	4300	c	7.2	4.7	12.2	9.4	9.5	9.4
Carbon Disulfide	75-15-0	--	--	730	<b>24000</b>	--	--	3100	<b>100000</b>	nc	<0.33	<0.15	1.0 J	<0.17	<0.30	<b>29.9</b>
Carbon Tetrachloride	56-23-5	4.7	<b>160</b>	100	3300	20	<b>670</b>	440	15000	c	<0.25	<0.32	0.26 J	<0.35	<0.23	<0.32
Chlorobenzene	108-90-7	--	--	52	<b>1700</b>	--	--	220	<b>7300</b>	nc	20.9	12.9	48.8	34.7	37.2	17.5
Chloroform	67-66-3	1.2	<b>40</b>	100	3300	5.3	<b>180</b>	430	14000	c	<0.32	<0.22	<0.32	<0.24	<0.30	<0.22
Cyclohexane	110-82-7	--	--	6300	<b>210000</b>	--	--	26000	<b>870000</b>	nc	7.2	3.0	11.3	6.7	9.5	5.0
Dichlorobenzene, 1,2-	95-50-1	--	--	210	<b>7000</b>	--	--	880	<b>29000</b>	nc	<0.63	<1.1	1.5 J	1.6 J	2.3	<1.1
Dichlorobenzene, 1,3-	541-73-1	--	--	--	--	--	--	--	--	--	<0.79	<1.2	1.4 J	<1.4	1.5 J	<1.3
Dichlorobenzene, 1,4-	106-46-7	2.6	<b>87</b>	830	28000	11	<b>370</b>	3500	120000	c	<1.4	<1.4	3.7 J	10.1	4.8	1.9 J
Dichlorodifluoromethane	75-71-8	--	--	100	<b>3300</b>	--	--	440	<b>15000</b>	nc	<b>206000 E A,B</b>	<b>88700 A,B</b>	<b>218000 E A,B</b>	<b>101000 A,B</b>	<b>217000 E A,B</b>	<b>39200 A,B</b>
Dichloroethylene, 1,2-trans-	156-60-5	--	--	--	--	--	--	--	--	--	1.8	0.66 J	1.3	1.3 J	1.6	1.3
Ethanol	64-17-5	--	--	--	--	--	--	--	--	--	471	415	513	485	436	400
Ethyl Acetate	141-78-6	--	--	73	<b>2400</b>	--	--	310	<b>10000</b>	nc	<0.28	3.1	1.4	<0.20	<0.26	<0.18
Ethylbenzene	100-41-4	11	<b>370</b>	1000	33000	49	<b>1600</b>	4400	150000	c	<b>624 A</b>	199 E	<b>955 A</b>	331 E	<b>916 A</b>	210
4-Ethyltoluene	622-96-8	--	--	--	--	--	--	--	--	--	11.3	12.6	10.4	11.2	12.8	2.0 J
n-Heptane	142-82-5	--	--	420	<b>14000</b>	--	--	1800	<b>60000</b>	nc	17.4	6.1	21.0	13.0	22.7	9.6
Hexane, N-	110-54-3	--	--	730	<b>24000</b>	--	--	3100	<b>100000</b>	nc	15.8	4.4	22.8	10.0	18.5	10.5
Hexanone, 2-	591-78-6	--	--	31	<b>1000</b>	--	--	130	<b>4300</b>	nc	2.9	4.5 J	3.6 J	2.9 J	2.7 J	3.0 J
Isopropanol	67-63-0	--	--	210	<b>7000</b>	--	--	880	<b>29000</b>	nc	66.4	49.8	66.9	39.2	52.2	37.1
Methyl Ethyl Ketone (2-Butanone)	78-93-3	--	--	5200	<b>170000</b>	--	--	22000	<b>730000</b>	nc	74.5 E	56.9	95.9 E	65.3	96.4 E	40.3
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	--	--	3100	<b>100000</b>	--	--	13000	<b>430000</b>	nc	8.0	11.3	23.2	348 E	12.2	9.9
Methylene Chloride	75-09-2	1000	33000	630	<b>21000</b>	12000	400000	2600	<b>87000</b>	nc	5.8	<1.8	11.5	2.1 J	1.6 J	4.2 J CH,LS,SS
Naphthalene	91-20-3	0.83	<b>28</b>	3.1	<b>100</b>	3.6	<b>120</b>	13	<b>430</b>	c	4.5	3.7 J	4.3 J	3.1 J	3.3 J	<2.9
Styrene	100-42-5	--	--	1000	<b>33000</b>	--	--	4400	<b>150000</b>	nc	144	79.5	597	215 E	377	27.1
Tetrachloroethylene	127-18-4	110	<b>3700</b>	42	<b>1400</b>	470	16000	180	<b>6000</b>	nc	<b>1910 A</b>	533	<b>1490 A</b>	1090	117	62.6
Tetrahydrofuran	109-99-9	--	--	2100	<b>70000</b>	--	--	8800	<b>290000</b>	nc	5.8	5.1	5.8	2.4	8.8	5.6
Toluene	108-88-3	--	--	5200	<b>170000</b>	--	--	22000	<b>730000</b>	nc	119	56.5	130	109	188	78.7
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	--	--	5200	<b>170000</b>	--	--	22000	<b>730000</b>	nc	31.1	101	13.0	36.0	5.7	235 CH,LS,SS
Trichloroethylene	79-01-6	4.8	160	2.1	<b>70</b>	30	1000	8.8	<b>290</b>	nc	0.53	0.68 J	1.2	0.76 J	0.68 J	0.80 J
Trichlorofluoromethane	75-69-4	--	--	--	--	--	--	--	--	--	3.7	<0.34	7.0	4.9	6.4	<0.35
Trimethylbenzene, 1,2,4-	95-63-6	--	--	63	<b>2100</b>	--	--	260	<b>8700</b>	nc	22.2	20.3	17.1	13.5	21.2	2.5
Trimethylbenzene, 1,3,5-	108-67-8	--	--	63	<b>2100</b>	--	--	260	<b>8700</b>	nc	6.6	6.2	5.2	4.4	6.4	1.5 J
m&p-Xylene	179601-23-1	--	--	100	<b>3300</b>	--	--	440	<b>15000</b>	nc	353	177	232	213	433	93.4
Xylene, o-	95-47-6	--	--	100	<b>3300</b>	--	--	440	<b>15000</b>	nc	89.2	46.2	61.2	55.8	105	23.8

**Notes:**  
Standards based on May 2020 USEPA Regional Screening Level (RSL) Tables.  
Samples analyzed using USEPA Method TO-15. Only detected compounds are listed.  
µg/m<sup>3</sup> = Microgram per cubic meter  
AF = Attenuation Factor  
VAL= Indoor Air Vapor Action Level  
VRSL = Vapor Risk Screening Level  
<sup>(1)</sup> For parameters with both carcinogenic and non-carcinogenic indoor air VALs, results are compared to the most conservative sub-slab vapor VRSL displayed in **bold** font.  
<sup>(2)</sup> The USEPA RSL Basis indicates whether the carcinogenic (c) or non-carcinogenic (nc) indoor air VAL is most stringent.

**A** = Exceeds Residential VRSL  
**B** = Exceeds Small Commercial VRSL  
**C** = Exceeds Large Commercial/Industrial VRSL  
**J** = Estimated concentration at or above the level of detection (LOD) and below the level of quantification (LOQ).  
**E** = Analyte concentration exceeded the calibration range. The reported result is estimated.  
**CH** = The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.  
**L1** = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.  
**SS** = This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.  
-- No RSL established.

**Table 2. Sub-Slab Vapor Analytical Results  
Former Dry Cleaner  
1305 N Johns Street  
Dodgeville, Wisconsin  
Ramboll Project No. 1690020998**

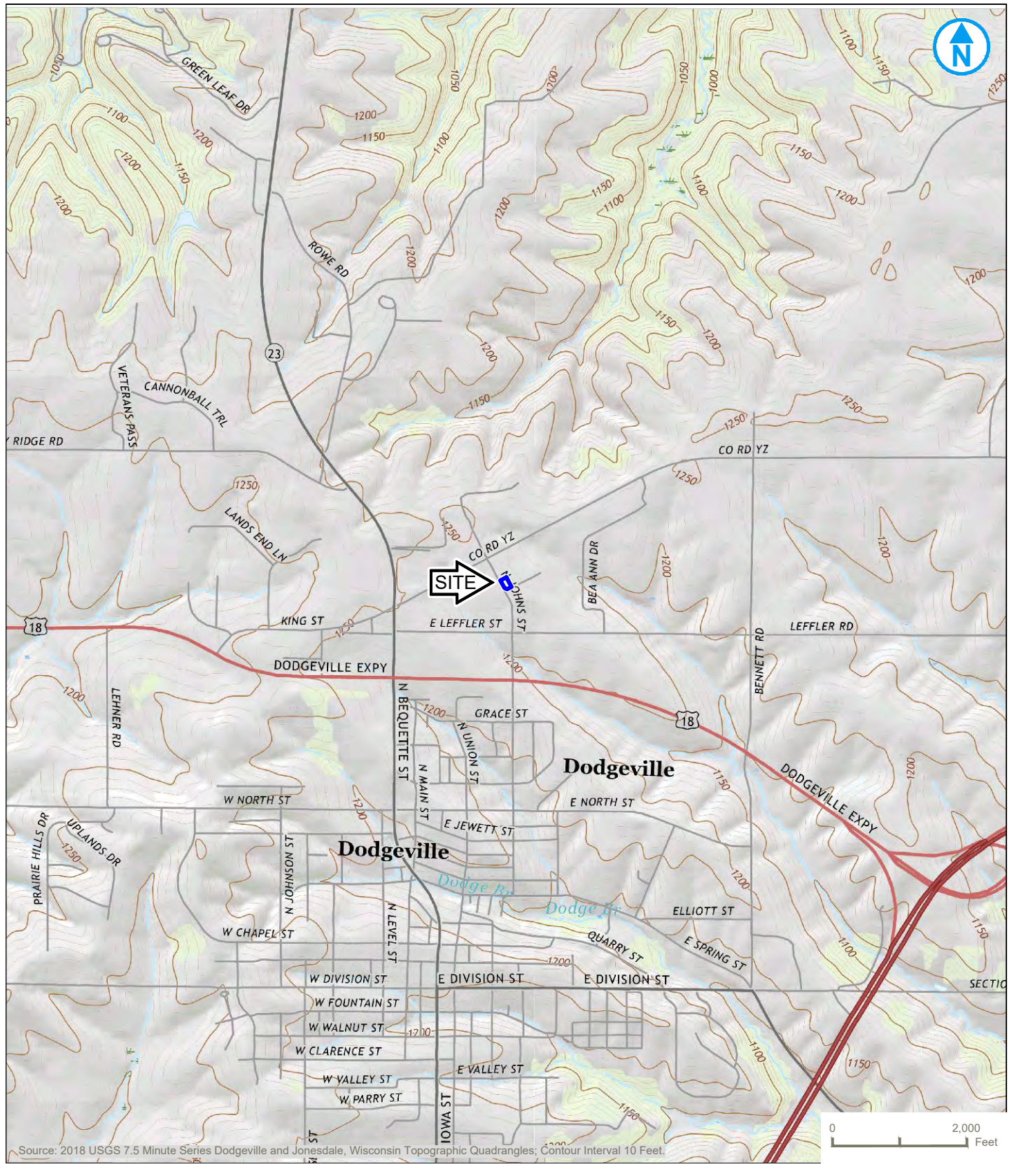
Parameters	Residential				Small Commercial				USEPA RSL Basis <sup>(2)</sup>	SS-4		SS-5		SS-6		
	Analyte (µg/m <sup>3</sup> ) <sup>(1)</sup>	CAS No.	Indoor Air VAL (1 E -5)	Sub-Slab Vapor VRSL (33.3 x)	Indoor Air VAL (HI = 1)	Sub-Slab Vapor VRSL (33.3 x)	Indoor Air VAL (1 E -5)	Sub-Slab Vapor VRSL (33.3 x)		Indoor Air VAL (HI = 1)	Sub-Slab Vapor VRSL (33.3 x)	7/7/2020	3/12/2021	7/7/2020	3/12/2021	7/7/2020
Acetone	67-64-1	--	--	32000	<b>1100000</b>	--	--	140000	<b>4700000</b>	nc	253	185	127	54.8	213	79.3
Benzene	71-43-2	3.6	<b>120</b>	31	1000	16	<b>530</b>	130	4300	c	8.0	4.7	2.2	3.9	3.5	2.5
Carbon Disulfide	75-15-0	--	--	730	<b>24000</b>	--	--	3100	<b>100000</b>	nc	<0.31	1.1	0.71 J	0.24 J	0.73 J	<0.15
Carbon Tetrachloride	56-23-5	4.7	<b>160</b>	100	3300	20	<b>670</b>	440	15000	c	<0.24	<0.32	<0.23	<0.32	<0.23	<0.31
Chlorobenzene	108-90-7	--	--	52	<b>1700</b>	--	--	220	<b>7300</b>	nc	51.1	24.0	8.3	11.8	27.1	13.5
Chloroform	67-66-3	1.2	<b>40</b>	100	3300	5.3	<b>180</b>	430	14000	c	<0.31	<0.22	4.9	<0.22	<0.30	<0.22
Cyclohexane	110-82-7	--	--	6300	<b>210000</b>	--	--	26000	<b>870000</b>	nc	7.1	5.8	4.1	5.9	5.1	3.4
Dichlorobenzene, 1,2-	95-50-1	--	--	210	<b>7000</b>	--	--	880	<b>29000</b>	nc	1.5 J	2.0	<0.59	<1.1	0.95 J	1.1 J
Dichlorobenzene, 1,3-	541-73-1	--	--	--	--	--	--	--	--	--	1.5 J	2.3 J	<0.75	2.0 J	0.94 J	<1.2
Dichlorobenzene, 1,4-	106-46-7	2.6	<b>87</b>	830	28000	11	<b>370</b>	3500	120000	c	4.4 J	3.9 J	<1.3	<1.5	2.1 J	2.0 J
Dichlorodifluoromethane	75-71-8	--	--	100	<b>3300</b>	--	--	440	<b>15000</b>	nc	<b>185000 E A,B</b>	<b>67600 A,B</b>	<b>3540 E A</b>	<b>60200 A,B</b>	<b>3370 E A</b>	<b>29100 A,B</b>
Dichloroethylene, 1,2-trans-	156-60-5	--	--	--	--	--	--	--	--	--	0.84 J	<0.25	0.47 J	<0.25	0.51 J	<0.24
Ethanol	64-17-5	--	--	--	--	--	--	--	--	--	286	224	233	356	270	336
Ethyl Acetate	141-78-6	--	--	73	<b>2400</b>	--	--	310	<b>10000</b>	nc	<0.27	<0.18	5.0	1.4	1.4	<0.18
Ethylbenzene	100-41-4	11	<b>370</b>	1000	33000	49	<b>1600</b>	4400	150000	c	<b>875 A</b>	192	121	70.9	205	67.0
4-Ethyltoluene	622-96-8	--	--	--	--	--	--	--	--	--	9.3	5.9	7.7	4.0	8.4	7.0
n-Heptane	142-82-5	--	--	420	<b>14000</b>	--	--	1800	<b>60000</b>	nc	10.0	5.8	5.3	8.2	7.8	6.2
Hexane, N-	110-54-3	--	--	730	<b>24000</b>	--	--	3100	<b>100000</b>	nc	10.5	5.8	18.7	9.9	12.0	4.7
Hexanone, 2-	591-78-6	--	--	31	<b>1000</b>	--	--	130	<b>4300</b>	nc	1.5 J	3.0 J	1.9 J	2.7 J	1.6 J	2.8 J
Isopropanol	67-63-0	--	--	210	<b>7000</b>	--	--	880	<b>29000</b>	nc	26.2	30.6	35.7	23.3	73.4	62.2
Methyl Ethyl Ketone (2-Butanone)	78-93-3	--	--	5200	<b>170000</b>	--	--	22000	<b>730000</b>	nc	33.4	19.7	25.8	10.0	32.9	18.4
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	--	--	3100	<b>100000</b>	--	--	13000	<b>430000</b>	nc	3.1 J	3.7 J	4.7 J	2.0 J	6.6	7.9
Methylene Chloride	75-09-2	1000	33000	630	<b>21000</b>	12000	400000	2600	<b>87000</b>	nc	4.2 J	<1.8	107	<1.8	35.9	<1.8
Naphthalene	91-20-3	0.83	<b>28</b>	3.1	<b>100</b>	3.6	<b>120</b>	13	<b>430</b>	c	2.6 J	8.3	3.4 J	3.8 J	2.6 J	3.8 J
Styrene	100-42-5	--	--	1000	<b>33000</b>	--	--	4400	<b>150000</b>	nc	668	136	52.9	65.5	175	91.2
Tetrachloroethylene	127-18-4	110	3700	42	<b>1400</b>	470	16000	180	<b>6000</b>	nc	123	96.9	167	122	199	96.8
Tetrahydrofuran	109-99-9	--	--	2100	<b>70000</b>	--	--	8800	<b>290000</b>	nc	3.1	5.8	4.8	<0.20	2.2	3.4
Toluene	108-88-3	--	--	5200	<b>170000</b>	--	--	22000	<b>730000</b>	nc	110	59.1	62.0	21.0	71.3	25.5
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	--	--	5200	<b>170000</b>	--	--	22000	<b>730000</b>	nc	102	99.2	335	545 E	238	162
Trichloroethylene	79-01-6	4.8	160	2.1	<b>70</b>	30	1000	8.8	<b>290</b>	nc	<0.28	<0.31	<0.28	<0.32	<0.27	3.2
Trichlorofluoromethane	75-69-4	--	--	--	--	--	--	--	--	--	3.3	4.0 J	4.3	5.5	4.4	2.3
Trimethylbenzene, 1,2,4-	95-63-6	--	--	63	<b>2100</b>	--	--	260	<b>8700</b>	nc	15.8	13.9	13.8	14.7	12.4	11.1
Trimethylbenzene, 1,3,5-	108-67-8	--	--	63	<b>2100</b>	--	--	260	<b>8700</b>	nc	5.7	5.0	4.2	3.5	4.3	3.3
m&p-Xylene	179601-23-1	--	--	100	<b>3300</b>	--	--	440	<b>15000</b>	nc	216	83.2	156	27.9	198	25.6
Xylene, o-	95-47-6	--	--	100	<b>3300</b>	--	--	440	<b>15000</b>	nc	54.6	19.8	38.3	10.5	48.3	7.7

**Notes:**  
Standards based on May 2020 USEPA Regional Screening Level (RSL) Tables.  
Samples analyzed using USEPA Method TO-15. Only detected compounds are listed.  
µg/m<sup>3</sup> = Microgram per cubic meter  
AF = Attenuation Factor  
VAL= Indoor Air Vapor Action Level  
VRSL = Vapor Risk Screening Level  
<sup>(1)</sup> For parameters with both carcinogenic and non-carcinogenic indoor air VALs, results are compared to the most conservative sub-slab vapor VRSL displayed in **bold** font.  
<sup>(2)</sup> The USEPA RSL Basis indicates whether the carcinogenic (c) or non-carcinogenic (nc) indoor air VAL is most stringent.

**A** = Exceeds Residential VRSL  
**B** = Exceeds Small Commercial VRSL  
**C** = Exceeds Large Commercial/Industrial VRSL  
**J** = Estimated concentration at or above the level of detection (LOD) and below the level of quantification (LOQ).  
**E** = Analyte concentration exceeded the calibration range. The reported result is estimated.  
**CH** = The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.  
**L1** = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.  
**SS** = This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.  
-- No RSL established.

## FIGURES





KEY MAP

### SITE LOCATION MAP

### FIGURE 1

RAMBOLL US CONSULTING, INC.  
A RAMBOLL COMPANY

**NAPA RETAIL STORE**  
1305 NORTH JOHNS STREET  
DODGEVILLE, WISCONSIN 53533





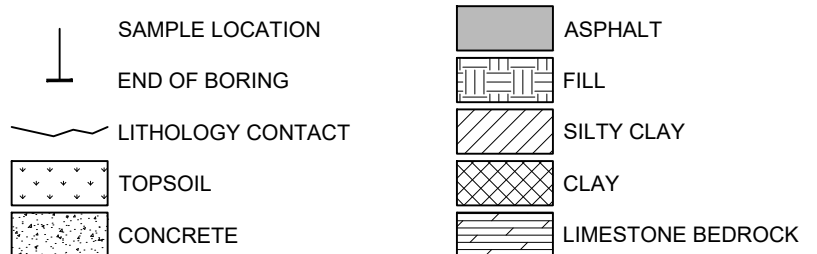
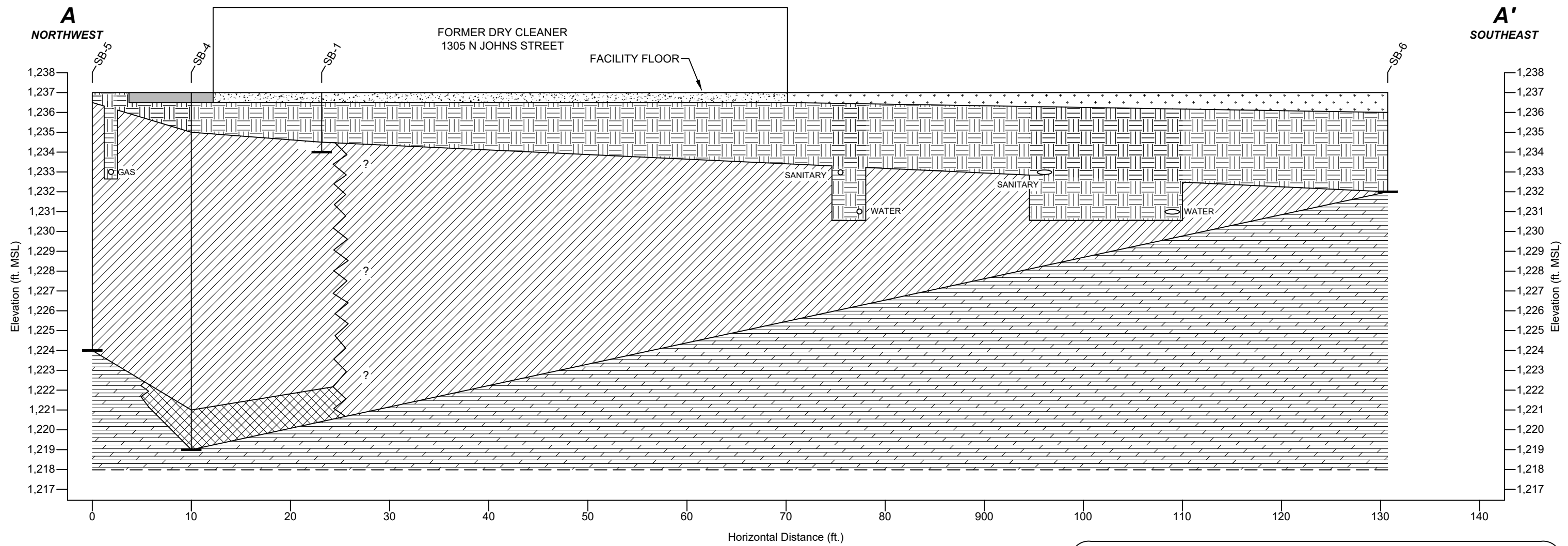


	Approximate Property Boundary
	Boring Location
	Sub-Slab Vapor Pin Location
	Underground Gas Utility
	Sanitary Sewer Utility
	Water Utility
	Underground Communication Utility
	Underground Electric Utility
	Floor Drain
	Power Pole



<p><b>Site Layout</b> Former Dry Cleaner 1305 N Johns Street Dodgeville, WI 53533</p>	
	<p>FIGURE <b>1</b></p>
<p>DRAFTED BY: rpm</p>	<p>DATE: 04/29/2021</p>





**GEOLOGIC CROSS-SECTION A-A'  
(NORTHWEST-SOUTHEAST)**

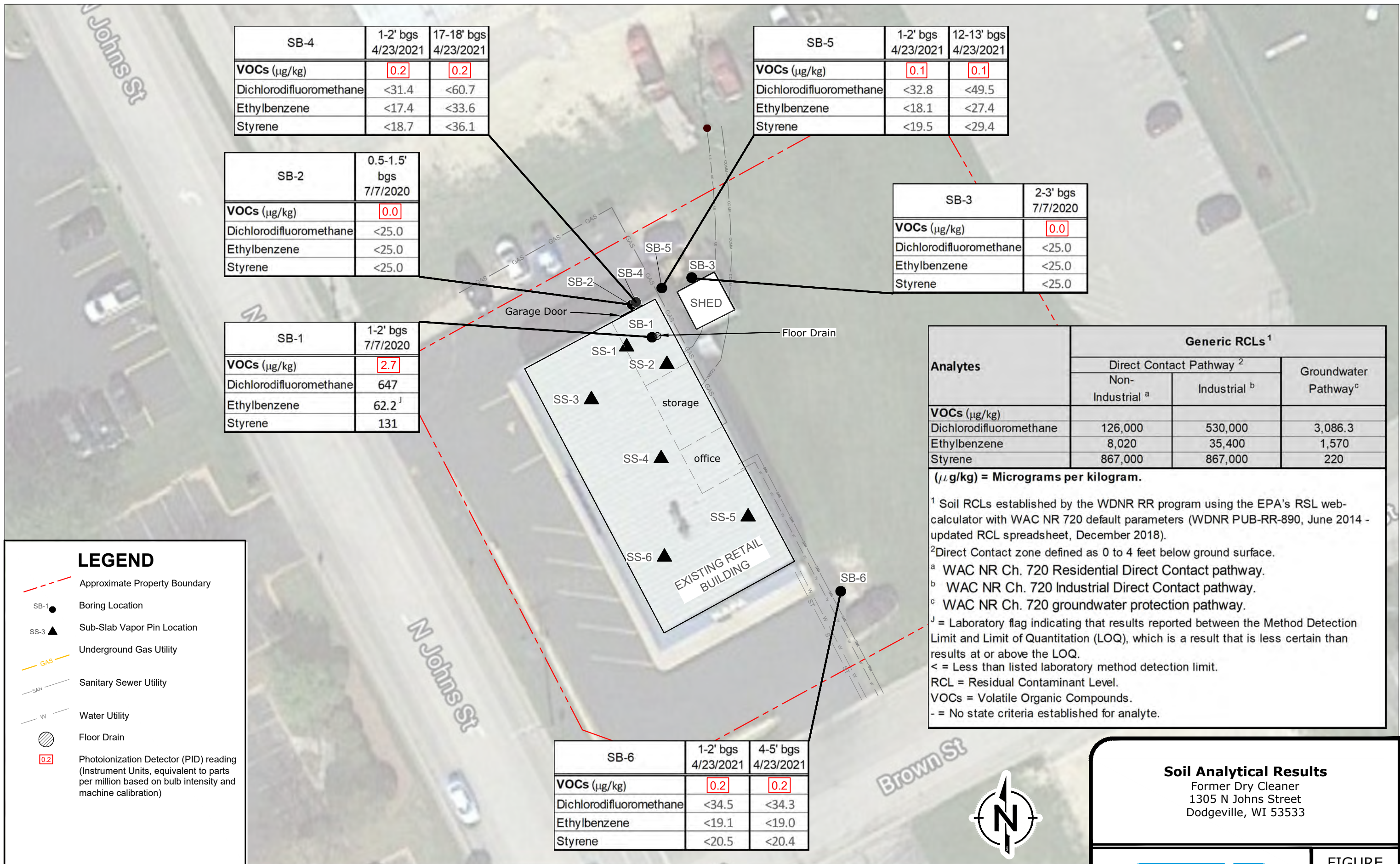
**FIGURE 3**

**FORMER DRY CLEANER**  
1305 N JOHNS STREET  
DODGEVILLE, WI 53533

RAMBOLL US CONSULTING, INC.  
A RAMBOLL COMPANY







SB-4	1-2' bgs 4/23/2021	17-18' bgs 4/23/2021
<b>VOCs (µg/kg)</b>	<b>0.2</b>	<b>0.2</b>
Dichlorodifluoromethane	<31.4	<60.7
Ethylbenzene	<17.4	<33.6
Styrene	<18.7	<36.1

SB-5	1-2' bgs 4/23/2021	12-13' bgs 4/23/2021
<b>VOCs (µg/kg)</b>	<b>0.1</b>	<b>0.1</b>
Dichlorodifluoromethane	<32.8	<49.5
Ethylbenzene	<18.1	<27.4
Styrene	<19.5	<29.4

SB-2	0.5-1.5' bgs 7/7/2020
<b>VOCs (µg/kg)</b>	<b>0.0</b>
Dichlorodifluoromethane	<25.0
Ethylbenzene	<25.0
Styrene	<25.0

SB-3	2-3' bgs 7/7/2020
<b>VOCs (µg/kg)</b>	<b>0.0</b>
Dichlorodifluoromethane	<25.0
Ethylbenzene	<25.0
Styrene	<25.0

SB-1	1-2' bgs 7/7/2020
<b>VOCs (µg/kg)</b>	<b>2.7</b>
Dichlorodifluoromethane	647
Ethylbenzene	62.2 <sup>J</sup>
Styrene	131

SB-6	1-2' bgs 4/23/2021	4-5' bgs 4/23/2021
<b>VOCs (µg/kg)</b>	<b>0.2</b>	<b>0.2</b>
Dichlorodifluoromethane	<34.5	<34.3
Ethylbenzene	<19.1	<19.0
Styrene	<20.5	<20.4

Analytes	Generic RCLs <sup>1</sup>		
	Direct Contact Pathway <sup>2</sup>		Groundwater Pathway <sup>c</sup>
	Non-Industrial <sup>a</sup>	Industrial <sup>b</sup>	
<b>VOCs (µg/kg)</b>			
Dichlorodifluoromethane	126,000	530,000	3,086.3
Ethylbenzene	8,020	35,400	1,570
Styrene	867,000	867,000	220

(µg/kg) = Micrograms per kilogram.

<sup>1</sup> Soil RCLs established by the WDNR RR program using the EPA's RSL web-calculator with WAC NR 720 default parameters (WDNR PUB-RR-890, June 2014 - updated RCL spreadsheet, December 2018).

<sup>2</sup> Direct Contact zone defined as 0 to 4 feet below ground surface.

<sup>a</sup> WAC NR Ch. 720 Residential Direct Contact pathway.

<sup>b</sup> WAC NR Ch. 720 Industrial Direct Contact pathway.

<sup>c</sup> WAC NR Ch. 720 groundwater protection pathway.

<sup>J</sup> = Laboratory flag indicating that results reported between the Method Detection Limit and Limit of Quantitation (LOQ), which is a result that is less certain than results at or above the LOQ.

< = Less than listed laboratory method detection limit.

RCL = Residual Contaminant Level.

VOCs = Volatile Organic Compounds.

- = No state criteria established for analyte.

### LEGEND

- - - Approximate Property Boundary
- SB-1 Boring Location
- ▲ SS-3 Sub-Slab Vapor Pin Location
- GAS Underground Gas Utility
- SAN Sanitary Sewer Utility
- W Water Utility
- ⊗ Floor Drain
- 0.2 Photoionization Detector (PID) reading (Instrument Units, equivalent to parts per million based on bulb intensity and machine calibration)



### Soil Analytical Results

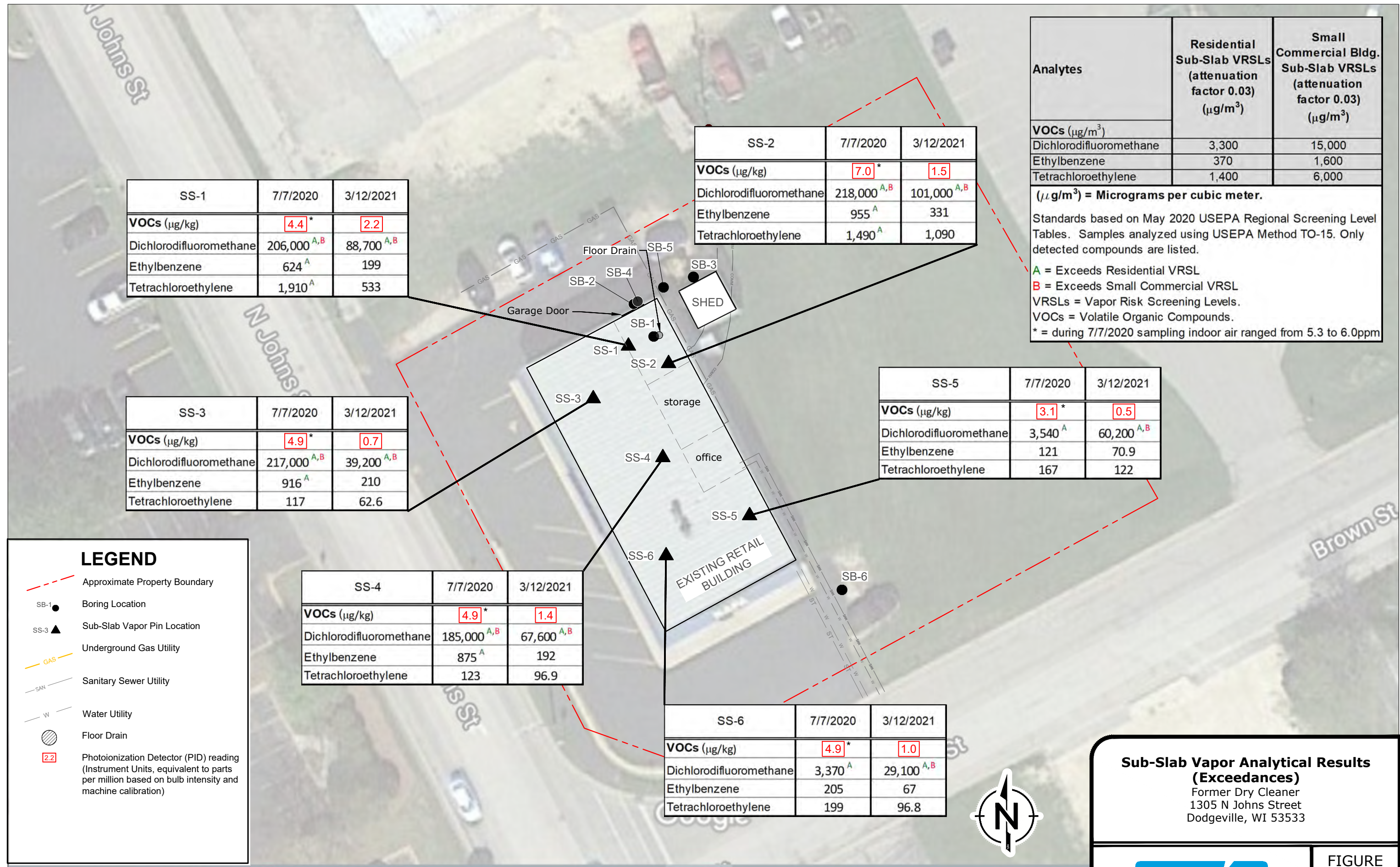
Former Dry Cleaner  
1305 N Johns Street  
Dodgeville, WI 53533

**RAMBOLL**

DRAFTED BY: rpm/hjw      DATE: 07/13/2021

FIGURE 3





SS-1	7/7/2020	3/12/2021
<b>VOCs (µg/kg)</b>	<b>4.4*</b>	<b>2.2</b>
Dichlorodifluoromethane	206,000 <sup>A,B</sup>	88,700 <sup>A,B</sup>
Ethylbenzene	624 <sup>A</sup>	199
Tetrachloroethylene	1,910 <sup>A</sup>	533

SS-2	7/7/2020	3/12/2021
<b>VOCs (µg/kg)</b>	<b>7.0*</b>	<b>1.5</b>
Dichlorodifluoromethane	218,000 <sup>A,B</sup>	101,000 <sup>A,B</sup>
Ethylbenzene	955 <sup>A</sup>	331
Tetrachloroethylene	1,490 <sup>A</sup>	1,090

SS-3	7/7/2020	3/12/2021
<b>VOCs (µg/kg)</b>	<b>4.9*</b>	<b>0.7</b>
Dichlorodifluoromethane	217,000 <sup>A,B</sup>	39,200 <sup>A,B</sup>
Ethylbenzene	916 <sup>A</sup>	210
Tetrachloroethylene	117	62.6

SS-5	7/7/2020	3/12/2021
<b>VOCs (µg/kg)</b>	<b>3.1*</b>	<b>0.5</b>
Dichlorodifluoromethane	3,540 <sup>A</sup>	60,200 <sup>A,B</sup>
Ethylbenzene	121	70.9
Tetrachloroethylene	167	122

SS-4	7/7/2020	3/12/2021
<b>VOCs (µg/kg)</b>	<b>4.9*</b>	<b>1.4</b>
Dichlorodifluoromethane	185,000 <sup>A,B</sup>	67,600 <sup>A,B</sup>
Ethylbenzene	875 <sup>A</sup>	192
Tetrachloroethylene	123	96.9

SS-6	7/7/2020	3/12/2021
<b>VOCs (µg/kg)</b>	<b>4.9*</b>	<b>1.0</b>
Dichlorodifluoromethane	3,370 <sup>A</sup>	29,100 <sup>A,B</sup>
Ethylbenzene	205	67
Tetrachloroethylene	199	96.8

Analytes	Residential Sub-Slab VRSLs (attenuation factor 0.03) (µg/m <sup>3</sup> )	Small Commercial Bldg. Sub-Slab VRSLs (attenuation factor 0.03) (µg/m <sup>3</sup> )
<b>VOCs (µg/m<sup>3</sup>)</b>		
Dichlorodifluoromethane	3,300	15,000
Ethylbenzene	370	1,600
Tetrachloroethylene	1,400	6,000

(µg/m<sup>3</sup>) = Micrograms per cubic meter.  
Standards based on May 2020 USEPA Regional Screening Level Tables. Samples analyzed using USEPA Method TO-15. Only detected compounds are listed.  
**A** = Exceeds Residential VRSL  
**B** = Exceeds Small Commercial VRSL  
VRSLs = Vapor Risk Screening Levels.  
VOCs = Volatile Organic Compounds.  
\* = during 7/7/2020 sampling indoor air ranged from 5.3 to 6.0ppm

**LEGEND**

- - - Approximate Property Boundary
- SB-1 Boring Location
- ▲ SS-3 Sub-Slab Vapor Pin Location
- GAS Underground Gas Utility
- SAN Sanitary Sewer Utility
- W Water Utility
- ⊗ Floor Drain
- 2.2 Photoionization Detector (PID) reading (Instrument Units, equivalent to parts per million based on bulb intensity and machine calibration)

**Sub-Slab Vapor Analytical Results (Exceedances)**  
Former Dry Cleaner  
1305 N Johns Street  
Dodgeville, WI 53533

**RAMBOLL**

DRAFTED BY: rpm/hjw      DATE: 07/08/2021

FIGURE 4



NR 716 SITE INVESTIGATION  
1305 NORTH JOHNS STREET, DODGEVILLE, WISCONSIN

## **APPENDIX A**

### **WDNR BRRS DOCUMENTATION**



Wisconsin Department of Natural Resources  
STS Project No. 18482XF  
February 12, 1992

2. Soil gas surveys indicated one potential VOC source area; the Joe King Landfill,
3. Groundwater contamination observed at well W-8 is probably the direct result of disposal of solvents on the Silicon Sensors property,
4. Based on groundwater quality data, potential sources of VOCs may exist in the vicinity of wells W-3 (Joe King Landfill) and W-2 (Marklein Auto Body),
5. Hydraulic conductivity values range from  $1.1 \times 10^{-5}$  to  $8.6 \times 10^{-5}$  cm/sec with local variations being controlled by secondary porosity features (vugs and fractures) in the bedrock,
6. Groundwater flow at the water table appeared to be toward the east-southeast,
7. Vertical groundwater gradients were downward at all three well nests installed and increased with proximity to DMW No. 7, and
8. Downward vertical gradients near DMW No. 7 may indicate that pumping of DMW No. 7 is having an effect on hydraulic head at depth in the bedrock.

The data collected during the initial investigation indicates that several sources of VOCs may be present in the study area. However, the data did not conclude that observed soil and shallow groundwater contamination was responsible for contamination at DMW No. 7. Therefore further investigation was deemed necessary. STS Consultants Ltd. was retained by the DNR to conduct the subsequent investigation.

From February 12, 1992, STS Consultants, LTD Summary of Results, Phase 1 Dodgeville VOC Contamination Investigation.

Wisconsin Department of Natural Resources  
STS Project No. 18482XF  
February 12, 1992

analyses. Table 6 summarizes the results of the laboratory analyses. Laboratory reports are included in Appendix D. Data from previous sampling conducted in the study area are also included on Table 6.

The toluene detected in DMW No. 7, Collins and Hying, Dave Baker and Napa appears to be contamination introduced during sampling from adhesive tape used to secure the lead wire to the pump used during purging operations. To confirm the source of toluene, a small piece of the tape used was placed in a 40 milliliter vial of dionized water and allowed to sit for three hours. A five milliliter sample of the water was analyzed for benzene, toluene, ethylbenzene and xylenes. Three hundred and twenty seven (327) micrograms per liter toluene were detected in the water. Table 7 summarizes the tape analyses.

Four packer tests were conducted in DMW No. 7 to estimate the depth at which trichloroethene (TCE) is entering the borehole. The packer test results are summarized on Table 8. Packer test results indicate that the TCE is entering the borehole between 288 and 410 feet. The sample collected from above 410 feet contained 3 micrograms per liter TCE. It is interesting to note that the groundwater sample collected from DMW No. 7 on July 5, 1991 contained 3 micrograms per liter TCE. The similarity of concentrations acquired when the entire borehole was open to production and when an interval above 410 feet was isolated, indicate that little or no dilution of the TCE occurs after it enters the borehole. Therefore, it appears that the majority of groundwater inflow into DMW No. 7 occurs above 410 feet.

As indicated in Table 6, contaminants were also detected in monitoring wells W-1, W-3 and W-8. W-2 was not sampled because the well was buried. Impacted private water supply wells included Dave Baker Chevrolet, Skip's Sales and Service, Napa, and the Township Garage. The water sample acquired from A & W may not be representative of groundwater. The sample was acquired from a tap on the outside of the building which may be connected to the City water supply and not the private water supply well on-site.

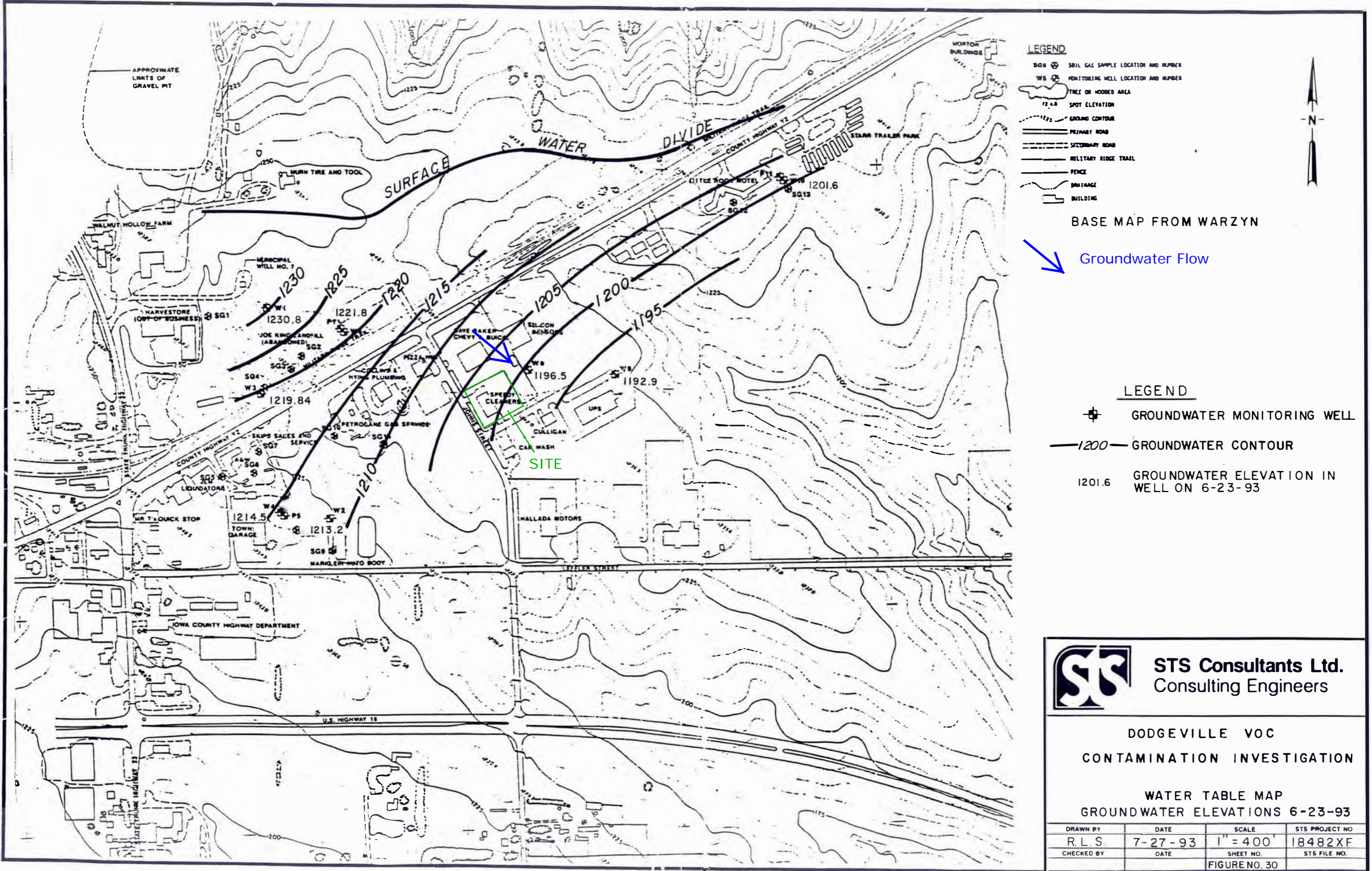
Wisconsin Department of Natural Resources  
STS Project No. 18482XF  
February 12, 1992

Based on the groundwater chemistry data, it appears that multiple plumes are present in the study area. A plume containing 1,1-Dichloroethene, 1,2-Dichloroethane, tetrachloroethene, and TCE is present in the vicinity of Dave Baker Chevrolet and monitoring well W-8 (see Figure 17). A second plume consisting primarily of carbon tetrachloride appears to be centered around monitoring well W-3 and extends northward beyond W-1 and southward beyond the Township Garage (Figure 18). A third plume consisting primarily of TCE exists in the area of the Township Garage, Napa, and Skip's and appears to extend northward to DMW No. 7 (Figure 19).

If the historical data collected from monitoring well W-2 is considered (see Table 6) an additional plume or an extension of the carbon tetrachloride plume may exist in the area of Marklein Auto Body. Samples collected from W-2 in 1988 and 1989 contained 1,1,1-trichloroethane (1,1,1-TCA) concentrations ranging from 116 to 542 micrograms per liter. Historical data collected in 1986 and 1988 from Skip's, Township Garage and monitoring well W-3 also indicated the presence of 1,1,1-TCA. 1,1,1-TCA was not detected in the groundwater samples collected in 1991 from any of these wells, however carbon tetrachloride was detected. 1,1,1-TCA and carbon tetrachloride's elution times are very similar. Therefore the presence of carbon tetrachloride in the 1991 samples was confirmed by mass spectrometry. We have no documentation that indicates that the 1,1,1-TCA detected in the historical samples was confirmed, therefore, it is possible that the 1,1,1-TCA detected may have been either carbon tetrachloride or a combination of carbon tetrachloride and 1,1,1-TCA.

Based on the groundwater chemistry data, there appear to be multiple possible sources of groundwater contamination in the study area. Silicon Sensors appears to be the source of contamination documented in monitoring well W-8 and the private water supply well at Dave Baker Chevrolet. Monitoring well W-3 appears to be at or near the center of the carbon tetrachloride plume, therefore, it appears that the Joe King Landfill may be the source of the carbon tetrachloride. Based on the historic data collected from monitoring





- LEGEND**
- SG# ⊕ SOIL GAS SAMPLE LOCATION AND NUMBER
  - W# ⊕ MONITORING WELL LOCATION AND NUMBER
  - ⊕ TREE OR WOODED AREA
  - 12.48 SPOT ELEVATION
  - GROUND CONTOUR
  - == PRIMARY ROAD
  - - - - SECONDARY ROAD
  - - - - MILITARY RIDGE TRAIL
  - FENCE
  - - - - DRAINAGE
  - ▭ BUILDING

BASE MAP FROM WARZYN

Groundwater Flow

- LEGEND**
- ⊕ GROUNDWATER MONITORING WELL
  - 1200— GROUNDWATER CONTOUR
  - 1201.6 GROUNDWATER ELEVATION IN WELL ON 6-23-93

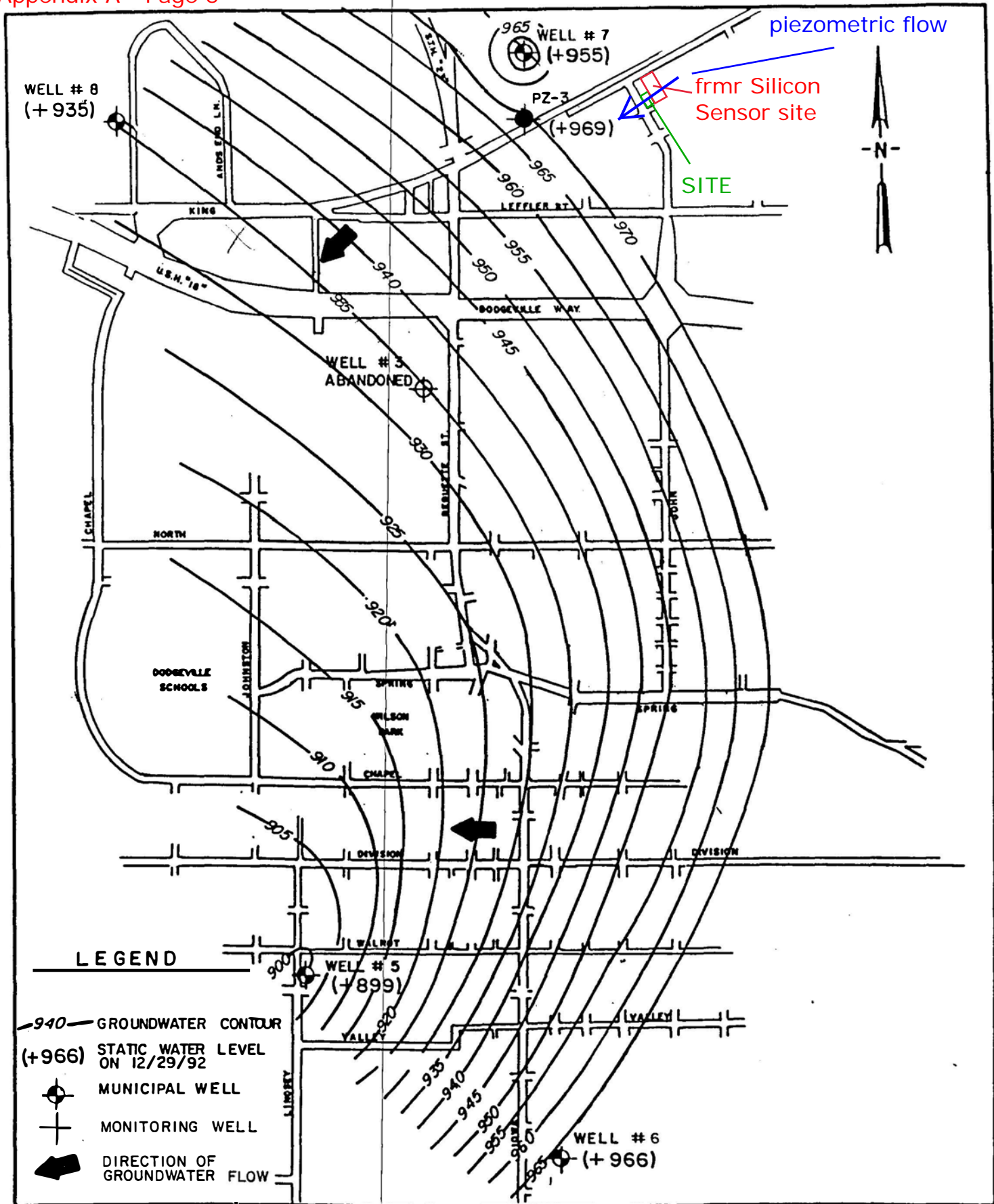
**STS** STS Consultants Ltd.  
Consulting Engineers

DODGEVILLE VOC  
CONTAMINATION INVESTIGATION

WATER TABLE MAP  
GROUNDWATER ELEVATIONS 6-23-93

DRAWN BY	DATE	SCALE	STS PROJECT NO.
R.L.S.	7-27-93	1" = 400'	18482XF
CHECKED BY	DATE	SHEET NO.	STS FILE NO.
		FIGURE NO. 30	





**LEGEND**

- 940- GROUNDWATER CONTOUR
- (+966) STATIC WATER LEVEL ON 12/29/92
- MUNICIPAL WELL
- MONITORING WELL
- DIRECTION OF GROUNDWATER FLOW



STS Consultants Ltd.  
Consulting Engineers

PROJECT/CLIENT

**DODGEVILLE VOC  
CONTAMINATION INVESTIGATION  
PAIRIE du CHIEN PIEZOMETRIC SURFACE  
AND STATIC WATER LEVELS 12/92**

DRAWN BY	D. T. B.
CHECKED BY	
APPROVED BY	
SCALE 1" = 400'	FIGURE NO. 28
STS DRAWING NO. 18482 XF	

Wisconsin Department of Natural Resources  
STS Project No. 18482XF  
February 12, 1992

In general, the dominant axes for the resistivity ellipses are oriented approximately north-south and just west of north-south. Other resistivity ellipse alignments occur at approximate orientations of N50E and N90E. Table 1 summarizes the interpreted major and minor AR ellipse alignments for each survey set-up.

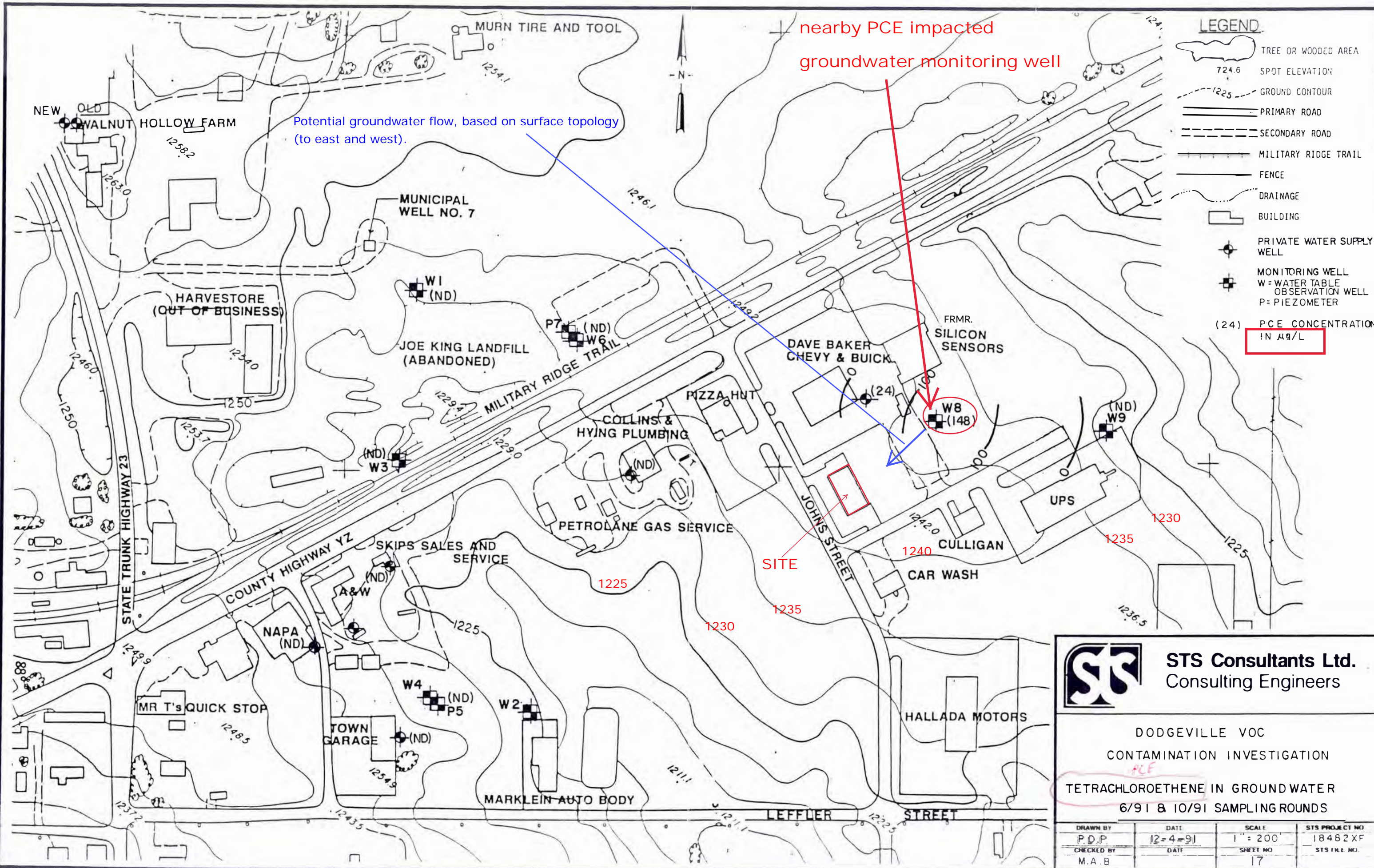
It is not clear why the principal alignment of the north survey area 8 meter A-spacing differs so dramatically in comparison with the other survey results. In general, the low variation in resistivity levels and the shallower sensing would appear to reduce the credibility of the data for the shorter A-spacing (4m and 8m) from both survey areas.

Dominant regional fracture alignments are reported to be approximately northwest-southeast and northeast-southwest (Heyl and others, 1959). The AR data only partially correspond to the reported regional joint alignments. However, site specific fracture patterns can differ from regional trends.

The resistivity sounding data (Figures 12 and 13) illustrate steadily increasing resistivities with increasing A-spacing. An interpretation of the data from both survey areas would appear to show a slightly deeper overburden or weathered zone in the North Survey Area. The resistivity low apparent on the North Survey Area surrounding curve may indicate a perched water table, wetter conditions or more clayey materials directly above bedrock.

Observational errors were generally below 1%. Lateral and offset errors generally ranged between 5% and 20%, although larger errors were observed for some survey line orientations and/or A-spacings. The lateral and offset errors tended to be larger and more variable at the South Survey Area. This effect may be caused by variations in thickness and types of the fill materials which are reportedly present throughout the South Survey Area.





From February 12, 1992, STS Consultants, LTD Summary of Results, Phase 1 Dodgeville VOC Contamination Investigation.



TABLE 3

Summary of Private Well Data

<u>Well</u>	<u>Depth to Bottom of Casing (ft)</u>	<u>Formation Casing Set in</u>	<u>Total Depth (ft)</u>	<u>Deepest Formation Penetrated</u>	<u>Contamination Present</u>	<u>Depths Fractures Noted Δ</u>
NAPA	37	Galena	126	Platteville	Yes	
A & W	54	Galena	136	Decorah	Yes	
Skips	42	Galena	83	Galena	Yes	
Collins	44	Galena	169	Platteville	No	
Dave Baker	50	Galena	216	St. Peter	Yes	58; 133-137'
Township	64	Galena	144	Platteville	Yes	
DMW #7	243	Prairie De Chien	705	Wanawoc	Yes	
Walnut Hollow Farms	48	Galena	99	Galena	No	
Mr. T's*	45	Galena	166	Platteville	No	
Little Rock*	46	Galena	235	St. Peter	Yes	
Starr*	50	Galena	310	Prairie Du Chien	No	
Morton*	50	Galena	320	Prairie Du Chien	No	

\* Depth to bottom of casing and total depth from well constructor's reports

Δ Fracture determination from borehole televiewer

**TABLE 5**  
**Vertical Hydraulic Gradients**  
**(1991)**

<u>Well Nest</u>	<u>Date</u>	<u>Head Diff. (feet)</u>	<u>Average Between Filter Packs (feet)</u>	<u>Minimum Length Between Filter Packs (feet)</u>	<u>Average Gradient (ft/ft)</u>	<u>Maximum Gradient (ft/ft)</u>
W4/P5	6/91	-0.81	34.9	23.6	-0.02	-0.03
	11/91	-1.17	34.9	23.6	-0.03	-0.05
W6/P7	6/91	-15.20	36.9	25.5	-0.40	-0.60
	11/91	-11.60	36.9	25.5	-0.31	-0.45
W10/P11	6/91	-0.59	30.7	24.4	-0.02	-0.02
	11/91	-1.03	30.7	24.4	-0.03	-0.04

Note:

Negative sign indicates downward gradient.

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Wisconsin Department of Natural Resources  
STS Project No. 18482XF  
August 6, 1993

groundwater contamination was greater than estimated at the inception of this project. Therefore, the number of wells deemed necessary to delineate the extent and possible sources of contamination exceeded the original scope of work developed for the investigation. Based on discussions between WDNR and STS personnel, the scope of the Phase II work was modified to focus on areas near Silicon Sensors, DMW-7, and the abandoned Joe King Landfill.

Results of Phase I indicated that trichloroethene (TCE) is entering DMW-7 between the depths of 288 and 410 feet. It also appears that the majority of groundwater flow into DMW-7 occurs across the same interval. Based on the groundwater chemistry data collected during Phase I, there appear to be multiple contaminant plumes present in the study area. These plumes appear to emanate from multiple possible sources of contamination. Silicon Sensors appears to be the source of contamination documented in Monitoring Well W-8 and the private water supply well at Dave Baker Chevrolet. Monitoring Well W-3 appears to be at or near the center of another plume of which the Joe King Landfill may be the source. Marklein Auto Body may be the source of another plume. The source of another plume present in the area of Skip's Sales and Service, the Dodgeville Township Garage, and Napa Auto Parts is not defined.

The actual Phase II work was conducted to define a hydraulic connection between Monitoring Well W-8 and the private water supply well at Dave Baker Chevrolet, determine the vertical extent of contamination at the Joe King Landfill, and to evaluate bedrock aquifer characteristics in the area around DMW-7 and the abandoned Joe King Landfill.

## **APPENDIX B**

### **WDNR ENDANGERED RESOURCES PRELIMINARY ASSESSMENT**

Endangered Species Table  
Former Dry Cleaner  
1305 N Johns Street  
Dodgeville, Wisconsin  
Ramboll Project 1690020998

<u>Scientific Name</u>	<u>Common Name</u>	<u>WI Status</u>	<u>Federal Status</u>	<u>Group</u>
<u>Empidonax virescens</u>	Acadian Flycatcher	THR		Bird
<u>Vireo bellii</u>	Bell's Vireo	THR		Bird
<u>Setophaga cerulea</u>	Cerulean Warbler	THR	SOC	Bird
<u>Setophaga citrina</u>	Hooded Warbler	THR		Bird
<u>Centronyx henslowii</u>	Henslow's Sparrow	THR	SOC	Bird
<u>Speyeria idalia</u>	Regal Fritillary	END	SOC	Butterfly
<u>Pine relict</u>	Pine Relict	NA		Community
<u>Dry prairie</u>	Dry Prairie	NA		Community
<u>Argia plana</u>	Springwater Dancer	SC/N		Dragonfly~
<u>Noturus exilis</u>	Slender Madtom	END		Fish~
<u>Acris blanchardi</u>	Blanchard's Cricket Frog	END		Frog~
<u>Lithobates palustris</u>	Pickerel Frog	SC/H		Frog~
<u>Arnoglossum plantagineum</u>	Prairie Indian-plantain	SC		Plant
<u>Paronychia canadensis</u>	Smooth Forked Nail-wort	SC		Plant
<u>Lespedeza violacea</u>	Violet Bush Clover	SC		Plant
<u>Pediomelum esculentum</u>	Prairie Turnip	SC		Plant
<u>Agalinis gattingeri</u>	Roundstem Foxglove	THR		Plant
<u>Napaea dioica</u>	Glade Mallow	SC		Plant~
<u>Sullivantia sullivantii</u>	Sullivant's Cool-wort	SC		Plant~
<u>Terrapene ornata</u>	Ornate Box Turtle	END		Turtle

Last revised: October 13, 2021

**Notes:**

END = Endangered Species.

THR = Threatened Species.

SC & SOC = Species of Concern.

SC/N = no laws regulating use, possession, or harvesting.

M = Monitored.





## Endangered Resources Preliminary Assessment

Created on **7/23/2021**. This report is good for one year after the created date.

DNR staff will be reviewing the ER Preliminary Assessments to verify the results provided by the Public Portal. ER Preliminary Assessments are only valid if the project habitat and waterway-related questions are answered accurately based on current site conditions. If an assessment is deemed invalid, a full ER review may be required even if the assessment indicated otherwise.

### Results

A search was conducted of the NHI Portal within a 1-mile buffer (for terrestrial and wetland species) and a 2-mile buffer (for aquatic species) of the project area. Based on these search results, below are your follow-up actions.

#### No further action is necessary.

This project is covered by the Broad Incidental Take Permit/Authorization for No/Low Impact Activities (No/Low BITP/A) (<https://dnr.wi.gov/topic/ERReview/ITNoLowImpact.html>). This BITP/A covers projects that the DNR has determined will have no impact or a minimal impact to endangered and threatened species in the state. Due to this coverage under the No/Low BITP/A, a formal review letter is not needed and there are no actions that need to be taken to comply with state and/or federal endangered species laws, any take that may result from the proposed project is permitted/authorized.

A copy of this document can be kept on file and submitted with any other necessary DNR permit applications to show that the need for an ER Review has been met. This notice only addresses endangered resources issues. This notice does not constitute DNR authorization of the proposed project and does not exempt the project from securing necessary permits and approvals from the DNR and/or other permitting authorities.

### Project Information

Landowner name	
Project address	<b>1305 N Johns Street</b>
Project description	<b>Retail Store: BRRTS 02-25-587099</b>

### Project Questions

Does the project involve a public property?	<b>No</b>
Is there any federal involvement with the project?	<b>Yes</b>
Is the project a utility, agricultural, forestry or bulk sampling (associated with mining) project?	<b>No</b>
Is the project property in Managed Forest Law or Managed Forest Tax Law?	<b>No</b>
Project involves tree removal?	<b>No</b>
Is project near (within 300 ft) a waterbody or a shoreline?	<b>No</b>
Is project within a waterbody or along the shoreline?	<b>No</b>

Does the project area (including access routes, staging areas, laydown yards, select sites, source/fill sites, etc.) occur **entirely within** one or more of the following habitats?

Urban/residential	<b>Yes</b>
Manicured lawn	<b>No</b>

Artificial/paved surface	No
Agricultural land	No
Areas covered in crushed stone or gravel	No



The information shown on these maps has been obtained from various sources, and is of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. Users of these maps should confirm the ownership of land through other means in order to avoid trespassing. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>.

<https://dnrx.wisconsin.gov/nhiportal/public>

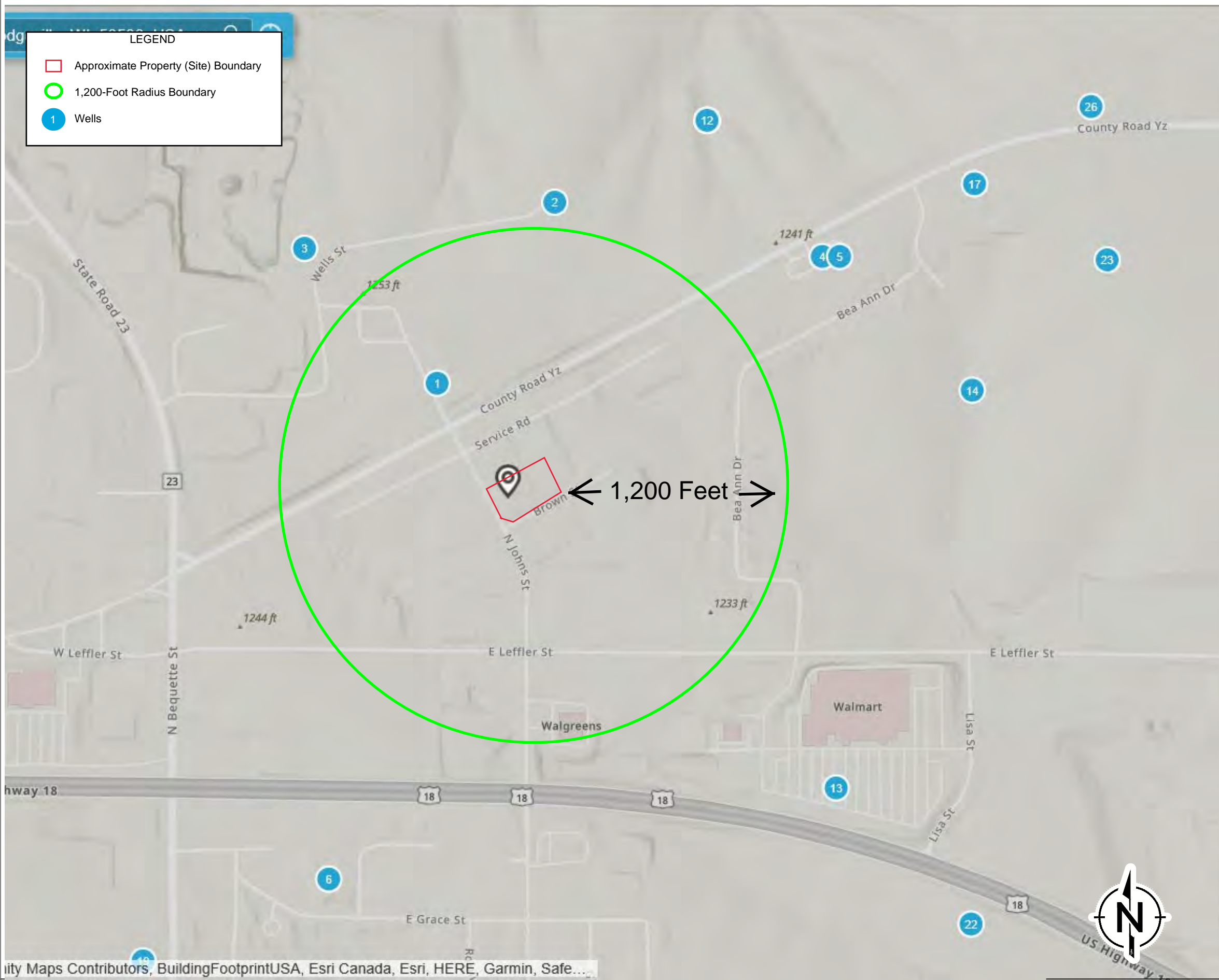
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921

## **APPENDIX C**

### **POTABLE WELL SURVEY**

## **1,200-Foot Well Survey Map**





**LEGEND**

- Approximate Property (Site) Boundary
- 1,200-Foot Radius Boundary
- 1 Wells

**WELL CONSTRUCTION REPORTS**

62

MILES (1-2)

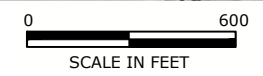
1	Well construction report: 8EP556 ~0.13 MILES
2	Well construction report: 8EP559 ~0.28 MILES
3	Well construction report: 8MB217 ~0.3 MILES
4	Well construction report: 8MB219 ~0.37 MILES
5	Well construction report: 8EP558 ~0.39 MILES
6	Well construction report: MU209 ~0.39 MILES
7	Well construction report: BF959 ~0.4 MILES
8	Well construction report: 8MB213 ~0.4 MILES

1,200 -Foot Well Survey

Former Dry Cleaner  
1305 N Johns Street Dodgeville, WI 53533

**FIGURE  
E1**

DRAFTED BY: rpm/hjw/dcg
DATE: 07/26/2021



City Maps Contributors, BuildingFootprintUSA, Esri Canada, Esri, HERE, Garmin, Safe...

## **1,200-Foot Well Survey – Well Logs**

NOV 7 1973

WELL CONSTRUCTOR'S REPORT  
FORM 3300-15

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES  
Box 450  
Madison, Wisconsin 53701

**NOTE**  
WHITE COPY - DIVISION'S COPY  
GREEN COPY - DRILLER'S COPY  
YELLOW COPY - OWNER'S COPY

1. COUNTY Iowa CHECK ONE  Town  Village  City NAME Dodgeville

2. LOCATION - 1/4 Section SW Section 22 Township 6N Range 3E 3. OWNER AT TIME OF DRILLING Town of Dodgeville

OR - Grid or street no. Street name ADDRESS

AND - If available subdivision name, lot & block no. POST OFFICE Dodgeville, Wisconsin

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
12						

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		none			none				

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: Private residence

6. DRILLHOLE						9. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
10	Surface	62				Clay	Surface	3
6	63	142				Galena limestone	3	140
7. CASING, LINER, CURBING, AND SCREEN						Trenton limestone	140	142
Dia. (in.)	Kind and Weight		From (ft.)	To (ft.)				
6	New black st'd steel		Surface	63				
	18.97#							
	Plain end							

8. GROUT OR OTHER SEALING MATERIAL				10. TYPE OF DRILLING MACHINE USED			
Kind		From (ft.)	To (ft.)	<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Direct Rotary	<input type="checkbox"/> Reverse Rotary	
Neat cement		Surface	63	<input type="checkbox"/> Rotary - air w/drilling mud	<input checked="" type="checkbox"/> Rotary - hammer with cutting mud	<input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water	
				Well construction completed on <u>11-2 19 73</u>			

11. MISCELLANEOUS DATA			
Yield test:	2 Hrs. at	12	GPM
Depth from surface to normal water level		50	ft.
Depth to water level when pumping		60	ft.
Well is terminated		12 inches	<input checked="" type="checkbox"/> above <input type="checkbox"/> below final grade
Well disinfected upon completion			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Well sealed watertight upon completion			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Water sample sent to Madison, Wisconsin laboratory on: 11-2 19 73

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE <u>Robert J. Rickard</u> 1330	Registered Well Driller	COMPLETE MAIL ADDRESS <u>Linden, Mo.</u>
---	-------------------------	---

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
----------------------	---------------	---------------	-----------	---------



## **Hi Cap Well Survey**

## WDNR High Capacity Search Report

1. Source No, 11230  
Hicap Well No, N/A  
WI Unique Well No, RR872  
Property No, 11001  
Owner, DODGEVILLE, CITY OF - UTILITY  
Operator, DODGEVILLE, CITY OF - UTILITY  
Water Use Code, PS11  
Well Approval Date, N/A  
Well Construction Date, 03/04/2004  
Pump Capacity (GPM), N/A  
Approved Max Withdrawal (GPD), N/A  
Description: This location contains a GPM High Capacity Well
2. Source No, 11232 11232 N/A  
Hicap Well No, 79520  
WI Unique Well No, BF970  
Property No, 11001  
Owner, DODGEVILLE, CITY OF - UTILITY  
Operator, DODGEVILLE, CITY OF - UTILITY  
Water Use Code, PS11  
Well Approval Date, 12/15/1983  
Well Construction Date, 08/20/1984  
Pump Capacity (GPM), 500  
Approved Max Withdrawal (GPD), 720000  
Description: This location contains a 500 GPM High Capacity Well

Basic Tools: Home, Identify, Initial View, Point, Print, Distance, Export, Pan, Zoom In, Zoom Out, Initial View, Full Extent, Previous Extent, Next Extent, Bookmarks

Navigation:

Layers

All Available Layers

Filter Layers...

- Well Applications and Approvals
- High Capacity Withdrawal
- Locations
- USGS Water Quantity Monitoring
- WDNR Water Quantity Monitoring
- WGNHS Spring Monitoring
- Groundwater Protection Features
- Basemaps

Quick Commands


- DODGEVILLE, CITY OF - UTILITY Existing Hicap Well No.
- GPM Well Constructed 03/04/2004
- [View Additional Details](#) [Add to Results](#)





2.

High Capacity Well Search (West of Site)

Tool Labels 

Tools

Home Identify Initial View Point Print Distance Export Pan Zoom In Zoom Out Initial View Full Extent Previous Extent Next Extent Bookmarks

Basic Tools Navigation

Layers

All Available Layers

Filter Layers...

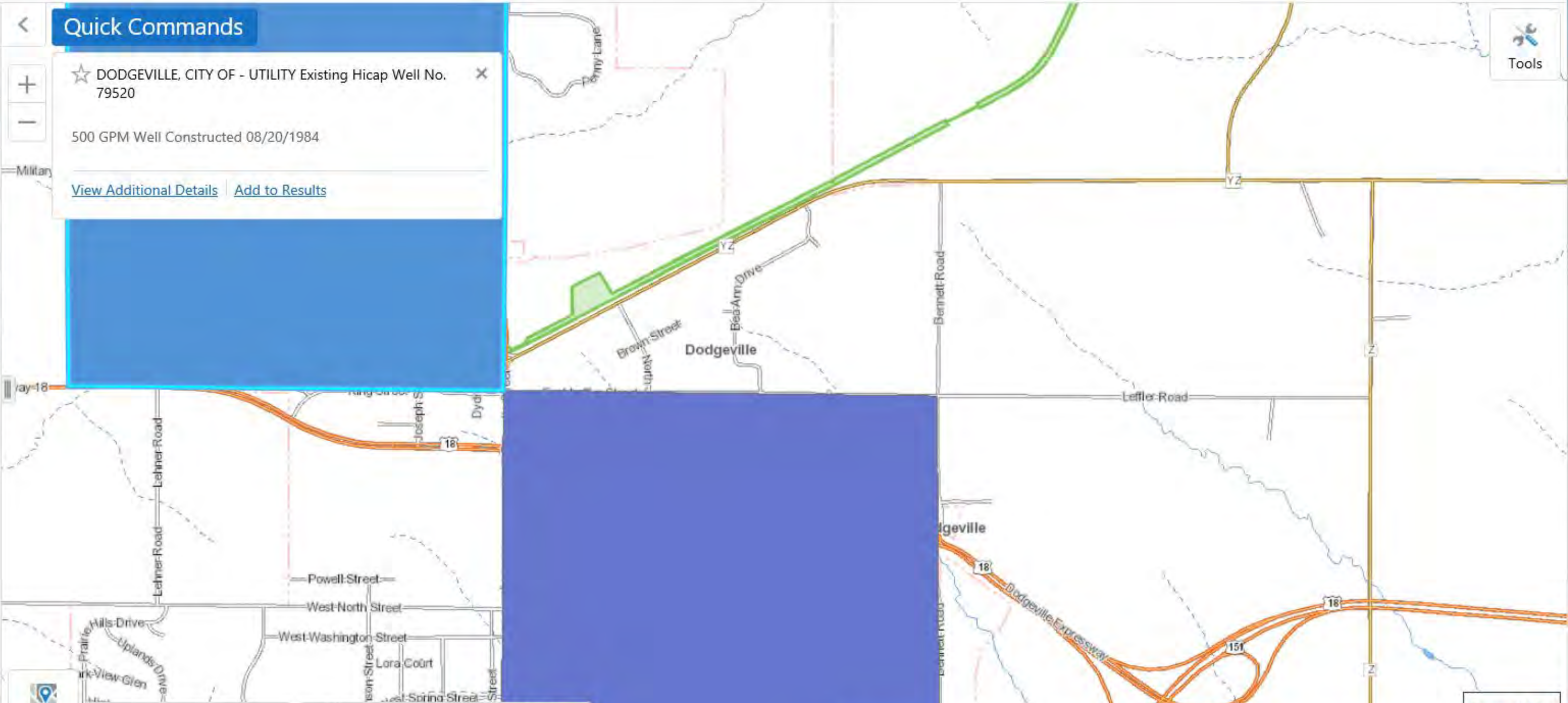
- Well Applications and Approvals
- High Capacity Withdrawal
- Locations
- USGS Water Quantity Monitoring
- WDNR Water Quantity Monitoring
- WGNHS Spring Monitoring
- Groundwater Protection Features
- Basemaps

Quick Commands

☆ DODGEVILLE, CITY OF - UTILITY Existing Hicap Well No. 79520

500 GPM Well Constructed 08/20/1984

[View Additional Details](#) [Add to Results](#)





## **APPENDIX D**

### **BORING LOGS, AND ABANDONMENT FORMS**

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

Facility/Project Name <b>RETAIL WHOLESALE STORE</b>		License/Permit/Monitoring Number <b>02-25-587099</b>		Boring Number <b>SB-1</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Kyle Heimstead Ramboll</b>		Date Drilling Started <b>7/7/2020</b>		Date Drilling Completed <b>7/7/2020</b>	
Drilling Method <b>hand auger</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>3.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane <b>SE 1/4 of SW 1/4 of Section 22, T 6 N, R 3 E</b>		Lat _____ ° _____ ' _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
		Long _____ ° _____ ' _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Iowa</b>		County Code <b>25</b>	
				Civil Town/City/ or Village <b>Dodgeville</b>	

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		
1 CS	6 6			<b>CONCRETE</b>				2.7							
2 CS	6 6		0.5	<b>FILL:</b> fine to medium sand, brown, moist.	FILL			3.1							
3 CS	6 6		1.0	<b>FILL:</b> fine to medium sand, light brown to cream, moist.	FILL			2.5							Soil Sample 1-2 ft
4 CS	6 6		1.5	<b>FILL:</b> fine to medium sand, trace fine gravel, light brown to cream, moist.	FILL			3.0							
5 CS	6 6		2.0		FILL			2.9							
6 CS	6 6		2.5	<b>SILTY CLAY,</b> trace fine to coarse sand, brown, very stiff, moist, slightly plastic.	CL-ML			2.8							
			3.0	End of boring at 3 ft bgs											


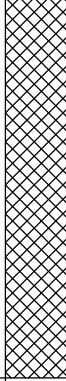
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Ramboll US Consulting, Inc.</b> 234 W. Florida St., Fifth Floor Milwaukee, WI 53204	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>RETAIL WHOLESALE STORE</b>		License/Permit/Monitoring Number <b>02-25-587099</b>		Boring Number <b>SB-2</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Kyle Heimstead Ramboll</b>		Date Drilling Started <b>7/7/2020</b>		Date Drilling Completed <b>7/7/2020</b>	
Drilling Method <b>hand auger</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Borehole Diameter <b>3.0 inches</b>		
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		State Plane <b>N, E <input checked="" type="checkbox"/> C/N</b>		Local Grid Location	
<b>SE 1/4 of SW 1/4 of Section 22, T 6 N, R 3 E</b>		Lat _____ " _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
		Long _____ " _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	

Facility ID	County <b>Iowa</b>	County Code <b>25</b>	Civil Town/City/ or Village <b>Dodgeville</b>
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

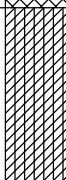
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 CS	6 6			<b>ASPHALT</b>				0.0							
2 CS	6 6		0.5	<b>FILL:</b> fine to coarse sand and gravel, some cobbles, loose, dry.				0.0							Soil Sample 0.5-1.5 ft
3 CS	6 6		1.0		FILL			0.0							
			1.5	Refusal at 3 ft bgs				0.0							

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

Signature	Firm <b>Ramboll US Consulting, Inc.</b> 234 W. Florida St., Fifth Floor Milwaukee, WI 53204	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>RETAIL WHOLESALE STORE</b>		License/Permit/Monitoring Number <b>02-25-587099</b>		Boring Number <b>SB-3</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Kyle Heimstead Ramboll</b>		Date Drilling Started <b>7/7/2020</b>		Date Drilling Completed <b>7/7/2020</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>		Borehole Diameter <b>3.0 inches</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E <input checked="" type="checkbox"/> C/N</b>		Lat <b>° ' "</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
<b>SE 1/4 of SW 1/4 of Section 22, T 6 N, R 3 E</b>		Long <b>° ' "</b>		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Iowa</b>		County Code <b>25</b>	
				Civil Town/City/ or Village <b>Dodgeville</b>	

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		
1 CS	6 6			<b>TOPSOIL</b>				0.0							
2 CS	6 6		0.5	<b>FILL:</b> fine to coarse sand and gravel (roadbase), tan, loose, dry.	FILL			0.0							
3 CS	6 6		1.0	<b>SILTY CLAY,</b> trace fine to coarse sand, brown, moderately stiff, moist, plastic.				0.0							
4 CS	6 6		1.5					0.0							
5 CS	6 6		2.0		CL-ML			0.0							Soil Sample 2-3 ft
6 CS	6 6		2.5					0.0							
			3.0	End of boring at 3 ft bgs				0.0							

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

Signature	Firm <b>Ramboll US Consulting, Inc.</b> 234 W. Florida St., Fifth Floor Milwaukee, WI 53204	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>RETAIL WHOLESALE STORE</b>		License/Permit/Monitoring Number <b>02-25-587099</b>		Boring Number <b>SB-4</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gage Kapugi On-Site Environmental Services, Inc.</b>		Date Drilling Started <b>4/23/2021</b>		Date Drilling Completed <b>4/23/2021</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>		Borehole Diameter <b>2.3 inches</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E <input checked="" type="checkbox"/> C/N</b>		Lat _____ " _____ "		Local Grid Location	
<b>SE 1/4 of SW 1/4 of Section 22, T 6 N, R 3 E</b>		Long _____ " _____ "		Feet <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Iowa</b>		County Code <b>25</b>	
				Civil Town/City/ or Village <b>Dodgeville</b>	







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		
1 CS	60 46		1.5	<b>ASPHALT</b>											
				<b>FILL:</b> fine to coarse sand, yellow, soft, moist, loose.	FILL			0.1						Soil Sample 1-2 ft	
2 CS	60 60		3.0	<b>SILTY CLAY,</b> trace fine to coarse sand, dark yellowish brown, stiff, moist, plastic.	CL-ML			0.2							
			4.5	<b>SILTY CLAY,</b> trace fine to coarse sand, brown, stiff, moist, plastic.	CL-ML		0.2								
			6.0	<b>SILTY CLAY,</b> trace fine to coarse sand, reddish yellow, stiff, moist, plastic.	CL-ML		0.2								
			7.5	<b>SILTY CLAY,</b> trace fine to coarse sand, yellowish red, stiff, moist, plastic.	CL-ML		0.1								
3 CS	60 60		9.0	<b>SILTY CLAY,</b> trace fine to coarse sand, yellowish red, stiff, moist, plastic.	CL-ML			0.2							
			10.5	<b>SILTY CLAY,</b> trace fine to coarse sand, yellowish brown, stiff, moist, plastic.			0.2								
			12.0		CL-ML		0.2								
4 CS	36 36		13.5					0.2							
			15.0				0.0								
			16.5	<b>CLAY,</b> with fine to coarse sand, strong brown, stiff, moist, plastic.	CL		0.0								
			16.5	<b>CLAY,</b> strong brown, soft, wet, plastic.	CL			0.1						Soil Sample 17-18 ft	
			18.0	<b>BEDROCK</b>				0.0							
				Refusal at 18 ft bgs											

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

Signature	Firm <b>Ramboll US Consulting, Inc.</b> 234 W. Florida St., Fifth Floor Milwaukee, WI 53204	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>RETAIL WHOLESALE STORE</b>		License/Permit/Monitoring Number <b>02-25-587099</b>		Boring Number <b>SB-5</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gage Kapugi On-Site Environmental Services, Inc.</b>		Date Drilling Started <b>4/23/2021</b>		Date Drilling Completed <b>4/23/2021</b>	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>		Borehole Diameter <b>2.3 inches</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		State Plane <b>N, E <input checked="" type="checkbox"/> C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
<b>SE 1/4 of SW 1/4 of Section 22, T 6 N, R 3 E</b>		Lat _____ ° _____ ' _____ "		Long _____ ° _____ ' _____ "	
Facility ID		County <b>Iowa</b>		County Code <b>25</b>	
				Civil Town/City/ or Village <b>Dodgeville</b>	






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	
1 CS	60 54		1	<b>FILL:</b> fine to coarse sand and gravel, dry, loose.	Fill									
			2	<b>SILTY CLAY,</b> trace fine to coarse sand, dark brown, stiff, moist, slightly plastic.	CL-ML			0.2					Soil Sample 1-2 ft	
			3					0.1						
			4	<b>SILTY CLAY,</b> trace fine to coarse sand, dark yellowish brown, stiff, moist, plastic.	CL-ML			0.2						
5					0.1									
2 CS	60 60		6	<b>SILTY CLAY,</b> trace fine to coarse sand, reddish yellow, stiff, moist, plastic.	CL-ML			0.1						
			7					0.1						
			8	<b>SILTY CLAY,</b> trace fine to coarse sand, yellowish red, stiff, moist, plastic.	CL-ML			0.2						
3 CS	60 39		9					0.1						
			10	<b>SILTY CLAY,</b> trace fine to coarse sand, dark brown, stiff, moist, plastic.	CL-ML			0.1						
			11					0.1						
			12					0.1						
			13	Refusal at 13 ft bgs (bedrock)				0.1					Soil Sample 12-13 ft	

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


Signature	Firm <b>Ramboll US Consulting, Inc.</b> 234 W. Florida St., Fifth Floor Milwaukee, WI 53204	Tel: (262) 901-0094 Fax: (262) 901-0079
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>RETAIL WHOLESALE STORE</b>		License/Permit/Monitoring Number <b>02-25-587099</b>		Boring Number <b>SB-6</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gage Kapugi On-Site Environmental Services, Inc.</b>		Date Drilling Started <b>4/23/2021</b>		Date Drilling Completed <b>4/23/2021</b>	
Drilling Method <b>direct push</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>2.3 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane <b>N, E (S/C/N)</b>		Lat <input type="text"/> ° <input type="text"/> ' <input type="text"/> "		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SE 1/4 of SW 1/4 of Section 22, T 6 N, R 3 E		Long <input type="text"/> ° <input type="text"/> ' <input type="text"/> "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County <b>Iowa</b>		County Code <b>25</b>	
				Civil Town/City/ or Village <b>Dodgeville</b>	

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			
1 CS	60 54		0.0 - 0.5	<b>TOPSOIL</b>												
			0.5 - 1.0	<b>FILL:</b> trace fine to coarse sand, dark yellowish brown, stiff, moist, plastic.	FILL			0.2							Soil Sample 1-2 ft	
			1.0 - 1.5													
			1.5 - 2.0													
			2.0 - 2.5													
			2.5 - 3.0	<b>FILL:</b> fine sand, brownish yellow, soft, moist, loose.	FILL			0.2								
			3.0 - 3.5	<b>FILL:</b> fine sand, yellow, soft, moist, loose.	FILL			0.2								
			3.5 - 4.0													
			4.0 - 4.5													
			4.5 - 5.0	<b>BEDROCK</b>				0.2						Soil Sample 4-5 ft		
			5.0 - 5.5	Refusal at 5 ft bgs				0.2								

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

Signature 	Firm <b>Ramboll US Consulting, Inc.</b> 234 W. Florida St., Fifth Floor Milwaukee, WI 53204	Tel: (262) 901-0094 Fax: (262) 901-0079
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# Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

**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 <b>IOWA</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>RETAIL WHOLESALE STORE</b>	
Latitude / Longitude (see instructions) <b>42.976</b> N		Format Code <input checked="" type="checkbox"/> DD		Method Code <input type="checkbox"/> GPS008		Facility ID (FID or PWS) <b>NONE</b>	
<b>-90.126</b> W		<input type="checkbox"/> DDM		<input checked="" type="checkbox"/> SCR002		License/Permit/Monitoring # <b>02-25-587099</b>	
<input type="checkbox"/> OTH001		Section <b>22</b>		Township <b>06 N</b>		Original Well Owner <b>TRALE - MITCHELL REAL ESTATE, LLC</b>	
1/4 1/4 <b>SE</b> 1/4 <b>SW</b>		Range <b>03</b>		<input checked="" type="checkbox"/> E		Present Well Owner <b>TRALE - MITCHELL REAL ESTATE, LLC</b>	
or Gov't Lot #		<input type="checkbox"/> W		Mailing Address of Present Owner <b>3909 BERG ROAD</b>			
Well Street Address <b>1305 N. JOHNS ST.</b>				City of Present Owner <b>DODGEVILLE</b>			
Well City, Village or Town <b>DODGEVILLE</b>				Well ZIP Code <b>53533</b>		State <b>WI</b>	
Subdivision Name				Lot #		ZIP Code <b>53533</b>	

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

Reason for Removal from Service <b>SOIL BORING</b>		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <b>04/23/2021</b>		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
<input checked="" type="checkbox"/> Borehole / Drillhole		Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <b>DIRECT PUSH</b>		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.) <b>NA</b>		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	
Lower Drillhole Diameter (in.) <b>2.3</b>		Casing Depth (ft.) <b>NA</b>		5. Material Used to Fill Well / Drillhole			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet)		From (ft.)		To (ft.)	
If yes, to what depth (feet)?				Surface		<b>18</b>	
						No. Yards, Sacks Sealant or Volume (circle one) <b>0.51 FT<sup>3</sup></b>	
						Mix Ratio or Mud Weight	

**6. Comments**

**SB-4**

**7. Supervision of Work**      **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <b>RAMBOLL US CONSULTING INC</b>		License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>04/23/2021</b>		Date Received		Noted By	
Street or Route <b>234 W. FLORIDA ST FIFTH FLOOR</b>				Telephone Number ( )		Comments			
City <b>MILWAUKEE</b>		State <b>WI</b>		ZIP Code <b>53204</b>		Signature of Person Doing Work <i>[Signature]</i>		Date Signed <b>04/23/2021</b>	

# Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

**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 <b>IOWA</b>		WI Unique Well # of Removed Well		Hicap #		Facility Name <b>RETAIL WHOLESALE STORE</b>		
Latitude / Longitude (see instructions) <b>42.976</b> <b>-90.126</b>		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <b>NONE</b>		
1/4 1/4 <b>SE</b> 1/4 <b>SW</b> or Gov't Lot #		Section <b>22</b>		Township <b>06 N 03</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W		License/Permit/Monitoring # <b>02-25-587099</b>
Well Street Address <b>1305 N. JOHNS ST.</b>						Original Well Owner <b>TRALE - MITCHELL REAL ESTATE, LLC</b>		
Well City, Village or Town <b>DODGEVILLE</b>						Present Well Owner <b>TRALE - MITCHELL REAL ESTATE, LLC</b>		
Well ZIP Code <b>53533</b>						Mailing Address of Present Owner <b>3909 BERG ROAD</b>		
Subdivision Name						City of Present Owner <b>DODGEVILLE</b>		State <b>WI</b>
Lot #						ZIP Code <b>53533</b>		

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

Reason for Removal from Service <b>SOIL BORING</b>		WI Unique Well # of Replacement Well		<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A												
Original Construction Date (mm/dd/yyyy) <b>04/23/2021</b>		<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole														
If a Well Construction Report is available, please attach.		<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <b>DIRT PUSH</b>														
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____														
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.) <b>NA</b>		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips												
Lower Drillhole Diameter (in.) <b>2.3</b>		Casing Depth (ft.) <b>NA</b>		<b>For Monitoring Wells and Monitoring Well Boreholes Only:</b> <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry												
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<table border="1"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>No. Yards, Sacks Sealant or Volume (circle one)</th> <th>Mix Ratio or Mud Weight</th> </tr> </thead> <tbody> <tr> <td>Surface</td> <td><b>13</b></td> <td><b>0.38 FT<sup>3</sup></b></td> <td></td> </tr> </tbody> </table>							From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight	Surface	<b>13</b>	<b>0.38 FT<sup>3</sup></b>	
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight													
Surface	<b>13</b>	<b>0.38 FT<sup>3</sup></b>														
If yes, to what depth (feet)?		Depth to Water (feet)														

**5. Material Used to Fill Well / Drillhole**

<b>PURE GOLD 3/8 BENTONITE CHIPS</b>			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<b>13</b>	<b>0.38 FT<sup>3</sup></b>	

**6. Comments**

**SB-5**

**7. Supervision of Work**      **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <b>RAMBOLL US CONSULTING INC</b>		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>04/23/2021</b>	Date Received	Noted By
Street or Route <b>234 W. FLORIDA ST FIFTH FLOOR</b>		Telephone Number ( )		Comments	
City <b>MILWAUKEE</b>	State <b>WI</b>	ZIP Code <b>53204</b>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <b>04/23/2021</b>	



# Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

**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**

County <b>IOWA</b>		WI Unique Well # of Removed Well	Hicap #
Latitude / Longitude (see instructions) <b>42.976</b> N <b>-90.126</b> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
1/4 SE or Gov't Lot #	1/4 SW	Section <b>22</b>	Township <b>06 N 03</b>
Well Street Address <b>1305 N. JOHNS ST.</b>		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well City, Village or Town <b>DODGEVILLE</b>		Well ZIP Code <b>53533</b>	
Subdivision Name		Lot #	
Reason for Removal from Service <b>SOIL BORING</b>	WI Unique Well # of Replacement Well		

**2. Facility / Owner Information**

Facility Name <b>RETAIL WHOLESALE STORE</b>		
Facility ID (FID or PWS) <b>NONE</b>		
License/Permit/Monitoring # <b>02-25-587099</b>		
Original Well Owner <b>TRALE - MITCHELL REAL ESTATE, LLC</b>		
Present Well Owner <b>TRALE - MITCHELL REAL ESTATE, LLC</b>		
Mailing Address of Present Owner <b>3909 BERG ROAD</b>		
City of Present Owner <b>DODGEVILLE</b>	State <b>WI</b>	ZIP Code <b>53533</b>

**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>04/23/2021</b>
<input type="checkbox"/> Water Well	
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <b>DIRECT PUSH</b>	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.) <b>NA</b>
Lower Drillhole Diameter (in.) <b>2.3</b>	Casing Depth (ft.) <b>NA</b>
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

**4. Pump, Liner, Screen, Casing & Sealing Material**

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input checked="" type="checkbox"/> Bentonite Chips
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
Surface	<b>5</b>	<b>0.14 ft<sup>3</sup></b>	

**6. Comments**

**SB-6**

**7. Supervision of Work**

Name of Person or Firm Doing Filling & Sealing <b>PAMBOL US CONSULTING INC</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>04/23/2021</b>	<b>DNR Use Only</b>	
Street or Route <b>234 W. FLORIDA ST FIFTH FLOOR</b>	Telephone Number ( )	Comments	Date Received	Noted By
City <b>MILWAUKEE</b>	State <b>WI</b>	ZIP Code <b>53204</b>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <b>04/23/2021</b>

## **APPENDIX E**

### **SOIL AND VAPOR LABORATORY ANALYTICAL REPORTS**

March 31, 2021

Richard Mazurkiewicz  
Ramboll  
234 West Florida St.  
5th floor  
Milwaukee, WI 53204

RE: Project: 1690020998 NAPA AUTO PARTS  
Pace Project No.: 10551358

Dear Richard Mazurkiewicz:

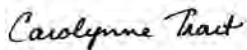
Enclosed are the analytical results for sample(s) received by the laboratory on March 16, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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 - Minneapolis

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

Sincerely,



Carolynne Trout  
carolynne.trout@pacelabs.com  
1(612)607-6351  
Project Manager

Enclosures

cc: Kyle Heimstead, Ramboll



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

---

### **Pace Analytical Services, LLC - Minneapolis MN**

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01\*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009\*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014\*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605\*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086\*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064\*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137\*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240\*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081\*

New Jersey Certification #: MN002

New York Certification #: 11647\*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110\*

Oklahoma Certification #: 9507\*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001\*

Pennsylvania Certification #: 68-00563\*

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192\*

Utah Certification #: MN00064\*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163\*

Washington Certification #: C486\*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

\*Please Note: Applicable air certifications are denoted with an asterisk (\*).

---

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10551358001	SS-1	Air	03/12/21 11:30	03/16/21 14:35
10551358002	SS-2	Air	03/12/21 12:19	03/16/21 14:35
10551358003	SS-3	Air	03/12/21 12:20	03/16/21 14:35
10551358004	SS-4	Air	03/12/21 11:28	03/16/21 14:35
10551358005	SS-5	Air	03/12/21 10:05	03/16/21 14:35
10551358006	SS-6	Air	03/12/21 10:35	03/16/21 14:35

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10551358001	SS-1	TO-15	AFV	61
10551358002	SS-2	TO-15	AFV	61
10551358003	SS-3	TO-15	AFV	61
10551358004	SS-4	TO-15	DR1	61
10551358005	SS-5	TO-15	DR1	61
10551358006	SS-6	TO-15	AFV	61

---

PASI-M = Pace Analytical Services - Minneapolis

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

---

**Method:** TO-15

**Description:** TO15 MSV AIR

**Client:** Ramboll Environ- WI AIR

**Date:** March 31, 2021

### General Information:

6 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 732054

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 3901905)
  - 1,1,2-Trichlorotrifluoroethane
  - Methylene Chloride
- SS-3 (Lab ID: 10551358003)
  - 1,1,2-Trichlorotrifluoroethane
  - Methylene Chloride

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 732054

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 3901905)
  - 1,1,2-Trichlorotrifluoroethane
  - Methylene Chloride
- SS-3 (Lab ID: 10551358003)
  - 1,1,2-Trichlorotrifluoroethane
  - Methylene Chloride

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 732054

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 3901905)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

---

**Method:** TO-15

**Description:** TO15 MSV AIR

**Client:** Ramboll Environ- WI AIR

**Date:** March 31, 2021

QC Batch: 732054

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- 1,1,2-Trichlorotrifluoroethane
- Methylene Chloride

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 731536

R1: RPD value was outside control limits.

- DUP (Lab ID: 3901718)
- Ethanol

**Additional Comments:**

Analyte Comments:

QC Batch: 731536

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- SS-5 (Lab ID: 10551358005)
- 1,1,2-Trichlorotrifluoroethane

QC Batch: 731810

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- SS-1 (Lab ID: 10551358001)
  - Acetone
  - Ethylbenzene
- SS-2 (Lab ID: 10551358002)
  - Ethylbenzene
  - 4-Methyl-2-pentanone (MIBK)
  - Styrene

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Sample Project No.: 10551358

Sample: SS-1 Lab ID: 10551358001 Collected: 03/12/21 11:30 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	685	ug/m3	9.0	3.3	1.49		03/29/21 20:21	67-64-1	E
Benzene	4.7	ug/m3	0.48	0.20	1.49		03/29/21 20:21	71-43-2	
Benzyl chloride	<2.0	ug/m3	3.9	2.0	1.49		03/29/21 20:21	100-44-7	
Bromodichloromethane	<0.34	ug/m3	2.0	0.34	1.49		03/29/21 20:21	75-27-4	
Bromoform	<1.4	ug/m3	7.8	1.4	1.49		03/29/21 20:21	75-25-2	
Bromomethane	<0.27	ug/m3	1.2	0.27	1.49		03/29/21 20:21	74-83-9	
1,3-Butadiene	<0.16	ug/m3	0.67	0.16	1.49		03/29/21 20:21	106-99-0	
2-Butanone (MEK)	56.9	ug/m3	4.5	1.3	1.49		03/29/21 20:21	78-93-3	
Carbon disulfide	<0.15	ug/m3	0.94	0.15	1.49		03/29/21 20:21	75-15-0	
Carbon tetrachloride	<0.32	ug/m3	1.9	0.32	1.49		03/29/21 20:21	56-23-5	
Chlorobenzene	12.9	ug/m3	1.4	0.24	1.49		03/29/21 20:21	108-90-7	
Chloroethane	<0.21	ug/m3	0.80	0.21	1.49		03/29/21 20:21	75-00-3	
Chloroform	<0.22	ug/m3	0.74	0.22	1.49		03/29/21 20:21	67-66-3	
Chloromethane	<0.12	ug/m3	0.63	0.12	1.49		03/29/21 20:21	74-87-3	
Cyclohexane	3.0	ug/m3	2.6	0.27	1.49		03/29/21 20:21	110-82-7	
Dibromochloromethane	<0.49	ug/m3	2.6	0.49	1.49		03/29/21 20:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.35	ug/m3	1.2	0.35	1.49		03/29/21 20:21	106-93-4	
1,2-Dichlorobenzene	<1.1	ug/m3	1.8	1.1	1.49		03/29/21 20:21	95-50-1	
1,3-Dichlorobenzene	<1.2	ug/m3	1.8	1.2	1.49		03/29/21 20:21	541-73-1	
1,4-Dichlorobenzene	<1.4	ug/m3	4.6	1.4	1.49		03/29/21 20:21	106-46-7	
Dichlorodifluoromethane	88700	ug/m3	722	392	715.2		03/30/21 11:45	75-71-8	
1,1-Dichloroethane	<0.19	ug/m3	1.2	0.19	1.49		03/29/21 20:21	75-34-3	
1,2-Dichloroethane	<0.20	ug/m3	0.61	0.20	1.49		03/29/21 20:21	107-06-2	
1,1-Dichloroethene	<0.19	ug/m3	1.2	0.19	1.49		03/29/21 20:21	75-35-4	
cis-1,2-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.49		03/29/21 20:21	156-59-2	
trans-1,2-Dichloroethene	0.66J	ug/m3	1.2	0.25	1.49		03/29/21 20:21	156-60-5	
1,2-Dichloropropane	<0.27	ug/m3	1.4	0.27	1.49		03/29/21 20:21	78-87-5	
cis-1,3-Dichloropropene	<0.24	ug/m3	1.4	0.24	1.49		03/29/21 20:21	10061-01-5	
trans-1,3-Dichloropropene	<0.99	ug/m3	1.4	0.99	1.49		03/29/21 20:21	10061-02-6	
Dichlorotetrafluoroethane	<0.36	ug/m3	2.1	0.36	1.49		03/29/21 20:21	76-14-2	
Ethanol	415	ug/m3	2.9	0.84	1.49		03/29/21 20:21	64-17-5	
Ethyl acetate	3.1	ug/m3	1.1	0.18	1.49		03/29/21 20:21	141-78-6	
Ethylbenzene	199	ug/m3	1.3	0.23	1.49		03/29/21 20:21	100-41-4	E
4-Ethyltoluene	12.6	ug/m3	3.7	0.32	1.49		03/29/21 20:21	622-96-8	
n-Heptane	6.1	ug/m3	1.2	0.23	1.49		03/29/21 20:21	142-82-5	
Hexachloro-1,3-butadiene	<2.9	ug/m3	8.1	2.9	1.49		03/29/21 20:21	87-68-3	
n-Hexane	4.4	ug/m3	1.1	0.32	1.49		03/29/21 20:21	110-54-3	
2-Hexanone	4.5J	ug/m3	6.2	1.2	1.49		03/29/21 20:21	591-78-6	
Methylene Chloride	<1.8	ug/m3	5.3	1.8	1.49		03/29/21 20:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	11.3	ug/m3	6.2	0.17	1.49		03/29/21 20:21	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.5	0.20	1.49		03/29/21 20:21	1634-04-4	
Naphthalene	3.7J	ug/m3	4.0	2.8	1.49		03/29/21 20:21	91-20-3	
2-Propanol	49.8	ug/m3	3.7	1.3	1.49		03/29/21 20:21	67-63-0	
Propylene	<0.36	ug/m3	0.52	0.36	1.49		03/29/21 20:21	115-07-1	
Styrene	79.5	ug/m3	1.3	0.41	1.49		03/29/21 20:21	100-42-5	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Sample: **SS-1** Lab ID: **10551358001** Collected: 03/12/21 11:30 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.32	ug/m3	1.0	0.32	1.49		03/29/21 20:21	79-34-5	
Tetrachloroethene	533	ug/m3	493	179	715.2		03/30/21 11:45	127-18-4	
Tetrahydrofuran	5.1	ug/m3	0.89	0.20	1.49		03/29/21 20:21	109-99-9	
Toluene	56.5	ug/m3	1.1	0.18	1.49		03/29/21 20:21	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.2	5.8	1.49		03/29/21 20:21	120-82-1	
1,1,1-Trichloroethane	<0.28	ug/m3	1.7	0.28	1.49		03/29/21 20:21	71-55-6	
1,1,2-Trichloroethane	<0.26	ug/m3	0.83	0.26	1.49		03/29/21 20:21	79-00-5	
Trichloroethene	0.68J	ug/m3	0.81	0.31	1.49		03/29/21 20:21	79-01-6	
Trichlorofluoromethane	<0.34	ug/m3	1.7	0.34	1.49		03/29/21 20:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	101	ug/m3	2.3	0.34	1.49		03/29/21 20:21	76-13-1	
1,2,4-Trimethylbenzene	20.3	ug/m3	1.5	0.29	1.49		03/29/21 20:21	95-63-6	
1,3,5-Trimethylbenzene	6.2	ug/m3	1.5	0.30	1.49		03/29/21 20:21	108-67-8	
Vinyl acetate	<0.17	ug/m3	1.1	0.17	1.49		03/29/21 20:21	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.39	0.13	1.49		03/29/21 20:21	75-01-4	
m&p-Xylene	177	ug/m3	2.6	0.57	1.49		03/29/21 20:21	179601-23-1	
o-Xylene	46.2	ug/m3	1.3	0.22	1.49		03/29/21 20:21	95-47-6	

Sample: **SS-2** Lab ID: **10551358002** Collected: 03/12/21 12:19 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	371	ug/m3	9.9	3.6	1.64		03/29/21 20:58	67-64-1	
Benzene	9.4	ug/m3	0.53	0.22	1.64		03/29/21 20:58	71-43-2	
Benzyl chloride	<2.2	ug/m3	4.3	2.2	1.64		03/29/21 20:58	100-44-7	
Bromodichloromethane	<0.37	ug/m3	2.2	0.37	1.64		03/29/21 20:58	75-27-4	
Bromoform	<1.5	ug/m3	8.6	1.5	1.64		03/29/21 20:58	75-25-2	
Bromomethane	<0.30	ug/m3	1.3	0.30	1.64		03/29/21 20:58	74-83-9	
1,3-Butadiene	<0.18	ug/m3	0.74	0.18	1.64		03/29/21 20:58	106-99-0	
2-Butanone (MEK)	65.3	ug/m3	4.9	1.4	1.64		03/29/21 20:58	78-93-3	
Carbon disulfide	<0.17	ug/m3	1.0	0.17	1.64		03/29/21 20:58	75-15-0	
Carbon tetrachloride	<0.35	ug/m3	2.1	0.35	1.64		03/29/21 20:58	56-23-5	
Chlorobenzene	34.7	ug/m3	1.5	0.26	1.64		03/29/21 20:58	108-90-7	
Chloroethane	<0.23	ug/m3	0.88	0.23	1.64		03/29/21 20:58	75-00-3	
Chloroform	<0.24	ug/m3	0.81	0.24	1.64		03/29/21 20:58	67-66-3	
Chloromethane	<0.13	ug/m3	0.69	0.13	1.64		03/29/21 20:58	74-87-3	
Cyclohexane	6.7	ug/m3	2.9	0.30	1.64		03/29/21 20:58	110-82-7	
Dibromochloromethane	<0.54	ug/m3	2.8	0.54	1.64		03/29/21 20:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/m3	1.3	0.38	1.64		03/29/21 20:58	106-93-4	
1,2-Dichlorobenzene	1.6J	ug/m3	2.0	1.2	1.64		03/29/21 20:58	95-50-1	
1,3-Dichlorobenzene	<1.4	ug/m3	2.0	1.4	1.64		03/29/21 20:58	541-73-1	
1,4-Dichlorobenzene	10.1	ug/m3	5.0	1.6	1.64		03/29/21 20:58	106-46-7	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Sample: **SS-2** Lab ID: **10551358002** Collected: 03/12/21 12:19 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	<b>101000</b>	ug/m3	781	423	772.8		03/30/21 12:49	75-71-8	
1,1-Dichloroethane	<0.21	ug/m3	1.3	0.21	1.64		03/29/21 20:58	75-34-3	
1,2-Dichloroethane	<0.21	ug/m3	0.67	0.21	1.64		03/29/21 20:58	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.3	0.21	1.64		03/29/21 20:58	75-35-4	
cis-1,2-Dichloroethene	<0.23	ug/m3	1.3	0.23	1.64		03/29/21 20:58	156-59-2	
trans-1,2-Dichloroethene	<b>1.3J</b>	ug/m3	1.3	0.27	1.64		03/29/21 20:58	156-60-5	
1,2-Dichloropropane	<0.30	ug/m3	1.5	0.30	1.64		03/29/21 20:58	78-87-5	
cis-1,3-Dichloropropene	<0.26	ug/m3	1.5	0.26	1.64		03/29/21 20:58	10061-01-5	
trans-1,3-Dichloropropene	<1.1	ug/m3	1.5	1.1	1.64		03/29/21 20:58	10061-02-6	
Dichlorotetrafluoroethane	<0.40	ug/m3	2.3	0.40	1.64		03/29/21 20:58	76-14-2	
Ethanol	<b>485</b>	ug/m3	3.1	0.93	1.64		03/29/21 20:58	64-17-5	
Ethyl acetate	<0.20	ug/m3	1.2	0.20	1.64		03/29/21 20:58	141-78-6	
Ethylbenzene	<b>331</b>	ug/m3	1.4	0.25	1.64		03/29/21 20:58	100-41-4	E
4-Ethyltoluene	<b>11.2</b>	ug/m3	4.1	0.35	1.64		03/29/21 20:58	622-96-8	
n-Heptane	<b>13.0</b>	ug/m3	1.4	0.25	1.64		03/29/21 20:58	142-82-5	
Hexachloro-1,3-butadiene	<3.2	ug/m3	8.9	3.2	1.64		03/29/21 20:58	87-68-3	
n-Hexane	<b>10.0</b>	ug/m3	1.2	0.35	1.64		03/29/21 20:58	110-54-3	
2-Hexanone	<b>2.9J</b>	ug/m3	6.8	1.3	1.64		03/29/21 20:58	591-78-6	
Methylene Chloride	<b>2.1J</b>	ug/m3	5.8	2.0	1.64		03/29/21 20:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>348</b>	ug/m3	6.8	0.18	1.64		03/29/21 20:58	108-10-1	E
Methyl-tert-butyl ether	<0.22	ug/m3	6.0	0.22	1.64		03/29/21 20:58	1634-04-4	
Naphthalene	<b>3.1J</b>	ug/m3	4.4	3.1	1.64		03/29/21 20:58	91-20-3	
2-Propanol	<b>39.2</b>	ug/m3	4.1	1.4	1.64		03/29/21 20:58	67-63-0	
Propylene	<0.40	ug/m3	0.57	0.40	1.64		03/29/21 20:58	115-07-1	
Styrene	<b>215</b>	ug/m3	1.4	0.45	1.64		03/29/21 20:58	100-42-5	E
1,1,2,2-Tetrachloroethane	<0.35	ug/m3	1.1	0.35	1.64		03/29/21 20:58	79-34-5	
Tetrachloroethene	<b>1090</b>	ug/m3	532	193	772.8		03/30/21 12:49	127-18-4	
Tetrahydrofuran	<b>2.4</b>	ug/m3	0.98	0.21	1.64		03/29/21 20:58	109-99-9	
Toluene	<b>109</b>	ug/m3	1.3	0.20	1.64		03/29/21 20:58	108-88-3	
1,2,4-Trichlorobenzene	<6.4	ug/m3	12.4	6.4	1.64		03/29/21 20:58	120-82-1	
1,1,1-Trichloroethane	<0.31	ug/m3	1.8	0.31	1.64		03/29/21 20:58	71-55-6	
1,1,2-Trichloroethane	<0.29	ug/m3	0.91	0.29	1.64		03/29/21 20:58	79-00-5	
Trichloroethene	<b>0.76J</b>	ug/m3	0.90	0.34	1.64		03/29/21 20:58	79-01-6	
Trichlorofluoromethane	<b>4.9</b>	ug/m3	1.9	0.37	1.64		03/29/21 20:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>36.0</b>	ug/m3	2.6	0.38	1.64		03/29/21 20:58	76-13-1	
1,2,4-Trimethylbenzene	<b>13.5</b>	ug/m3	1.6	0.32	1.64		03/29/21 20:58	95-63-6	
1,3,5-Trimethylbenzene	<b>4.4</b>	ug/m3	1.6	0.33	1.64		03/29/21 20:58	108-67-8	
Vinyl acetate	<0.19	ug/m3	1.2	0.19	1.64		03/29/21 20:58	108-05-4	
Vinyl chloride	<0.14	ug/m3	0.43	0.14	1.64		03/29/21 20:58	75-01-4	
m&p-Xylene	<b>213</b>	ug/m3	2.9	0.63	1.64		03/29/21 20:58	179601-23-1	
o-Xylene	<b>55.8</b>	ug/m3	1.4	0.24	1.64		03/29/21 20:58	95-47-6	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Sample Project No.: 10551358

Sample: **SS-3** Lab ID: **10551358003** Collected: 03/12/21 12:20 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	178	ug/m3	9.2	3.4	1.52		03/30/21 17:39	67-64-1	
Benzene	9.4	ug/m3	0.49	0.21	1.52		03/30/21 17:39	71-43-2	
Benzyl chloride	<2.0	ug/m3	4.0	2.0	1.52		03/30/21 17:39	100-44-7	
Bromodichloromethane	<0.35	ug/m3	2.1	0.35	1.52		03/30/21 17:39	75-27-4	
Bromoform	<1.4	ug/m3	8.0	1.4	1.52		03/30/21 17:39	75-25-2	
Bromomethane	<0.27	ug/m3	1.2	0.27	1.52		03/30/21 17:39	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.68	0.17	1.52		03/30/21 17:39	106-99-0	
2-Butanone (MEK)	40.3	ug/m3	4.6	1.3	1.52		03/30/21 17:39	78-93-3	
Carbon disulfide	29.9	ug/m3	0.96	0.16	1.52		03/30/21 17:39	75-15-0	
Carbon tetrachloride	<0.32	ug/m3	1.9	0.32	1.52		03/30/21 17:39	56-23-5	
Chlorobenzene	17.5	ug/m3	1.4	0.24	1.52		03/30/21 17:39	108-90-7	
Chloroethane	<0.21	ug/m3	0.81	0.21	1.52		03/30/21 17:39	75-00-3	
Chloroform	<0.22	ug/m3	0.75	0.22	1.52		03/30/21 17:39	67-66-3	
Chloromethane	<0.12	ug/m3	0.64	0.12	1.52		03/30/21 17:39	74-87-3	
Cyclohexane	5.0	ug/m3	2.7	0.28	1.52		03/30/21 17:39	110-82-7	
Dibromochloromethane	<0.50	ug/m3	2.6	0.50	1.52		03/30/21 17:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.35	ug/m3	1.2	0.35	1.52		03/30/21 17:39	106-93-4	
1,2-Dichlorobenzene	<1.1	ug/m3	1.9	1.1	1.52		03/30/21 17:39	95-50-1	
1,3-Dichlorobenzene	<1.3	ug/m3	1.9	1.3	1.52		03/30/21 17:39	541-73-1	
1,4-Dichlorobenzene	1.9J	ug/m3	4.7	1.5	1.52		03/30/21 17:39	106-46-7	
Dichlorodifluoromethane	39200	ug/m3	5900	3200	5837		03/31/21 11:44	75-71-8	
1,1-Dichloroethane	<0.19	ug/m3	1.3	0.19	1.52		03/30/21 17:39	75-34-3	
1,2-Dichloroethane	<0.20	ug/m3	0.62	0.20	1.52		03/30/21 17:39	107-06-2	
1,1-Dichloroethene	<0.19	ug/m3	1.2	0.19	1.52		03/30/21 17:39	75-35-4	
cis-1,2-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.52		03/30/21 17:39	156-59-2	
trans-1,2-Dichloroethene	1.3	ug/m3	1.2	0.25	1.52		03/30/21 17:39	156-60-5	
1,2-Dichloropropane	<0.28	ug/m3	1.4	0.28	1.52		03/30/21 17:39	78-87-5	
cis-1,3-Dichloropropene	<0.24	ug/m3	1.4	0.24	1.52		03/30/21 17:39	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/m3	1.4	1.0	1.52		03/30/21 17:39	10061-02-6	
Dichlorotetrafluoroethane	<0.37	ug/m3	2.2	0.37	1.52		03/30/21 17:39	76-14-2	
Ethanol	400	ug/m3	2.9	0.86	1.52		03/30/21 17:39	64-17-5	
Ethyl acetate	<0.18	ug/m3	1.1	0.18	1.52		03/30/21 17:39	141-78-6	
Ethylbenzene	210	ug/m3	1.3	0.24	1.52		03/30/21 17:39	100-41-4	
4-Ethyltoluene	2.0J	ug/m3	3.8	0.32	1.52		03/30/21 17:39	622-96-8	
n-Heptane	9.6	ug/m3	1.3	0.23	1.52		03/30/21 17:39	142-82-5	
Hexachloro-1,3-butadiene	<2.9	ug/m3	8.2	2.9	1.52		03/30/21 17:39	87-68-3	
n-Hexane	10.5	ug/m3	1.1	0.33	1.52		03/30/21 17:39	110-54-3	
2-Hexanone	3.0J	ug/m3	6.3	1.2	1.52		03/30/21 17:39	591-78-6	
Methylene Chloride	4.2J	ug/m3	5.4	1.8	1.52		03/30/21 17:39	75-09-2	CH,L1, SS
4-Methyl-2-pentanone (MIBK)	9.9	ug/m3	6.3	0.17	1.52		03/30/21 17:39	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.6	0.20	1.52		03/30/21 17:39	1634-04-4	
Naphthalene	<2.9	ug/m3	4.0	2.9	1.52		03/30/21 17:39	91-20-3	
2-Propanol	37.1	ug/m3	3.8	1.3	1.52		03/30/21 17:39	67-63-0	
Propylene	<0.37	ug/m3	0.53	0.37	1.52		03/30/21 17:39	115-07-1	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Sample: **SS-3** Lab ID: **10551358003** Collected: 03/12/21 12:20 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Styrene	27.1	ug/m3	1.3	0.41	1.52		03/30/21 17:39	100-42-5	
1,1,2,2-Tetrachloroethane	<0.33	ug/m3	1.1	0.33	1.52		03/30/21 17:39	79-34-5	
Tetrachloroethene	62.6	ug/m3	1.0	0.38	1.52		03/30/21 17:39	127-18-4	
Tetrahydrofuran	5.6	ug/m3	0.91	0.20	1.52		03/30/21 17:39	109-99-9	
Toluene	78.7	ug/m3	1.2	0.18	1.52		03/30/21 17:39	108-88-3	
1,2,4-Trichlorobenzene	<5.9	ug/m3	11.5	5.9	1.52		03/30/21 17:39	120-82-1	
1,1,1-Trichloroethane	<0.29	ug/m3	1.7	0.29	1.52		03/30/21 17:39	71-55-6	
1,1,2-Trichloroethane	0.51J	ug/m3	0.84	0.26	1.52		03/30/21 17:39	79-00-5	
Trichloroethene	0.80J	ug/m3	0.83	0.32	1.52		03/30/21 17:39	79-01-6	
Trichlorofluoromethane	<0.35	ug/m3	1.7	0.35	1.52		03/30/21 17:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	235	ug/m3	2.4	0.35	1.52		03/30/21 17:39	76-13-1	CH,L1, SS
1,2,4-Trimethylbenzene	2.5	ug/m3	1.5	0.29	1.52		03/30/21 17:39	95-63-6	
1,3,5-Trimethylbenzene	1.5J	ug/m3	1.5	0.31	1.52		03/30/21 17:39	108-67-8	
Vinyl acetate	<0.17	ug/m3	1.1	0.17	1.52		03/30/21 17:39	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.52		03/30/21 17:39	75-01-4	
m&p-Xylene	93.4	ug/m3	2.7	0.59	1.52		03/30/21 17:39	179601-23-1	
o-Xylene	23.8	ug/m3	1.3	0.22	1.52		03/30/21 17:39	95-47-6	

Sample: **SS-4** Lab ID: **10551358004** Collected: 03/12/21 11:28 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	185	ug/m3	9.0	3.3	1.49		03/27/21 06:48	67-64-1	
Benzene	4.7	ug/m3	0.48	0.20	1.49		03/27/21 06:48	71-43-2	
Benzyl chloride	<2.0	ug/m3	3.9	2.0	1.49		03/27/21 06:48	100-44-7	
Bromodichloromethane	<0.34	ug/m3	2.0	0.34	1.49		03/27/21 06:48	75-27-4	
Bromoform	<1.4	ug/m3	7.8	1.4	1.49		03/27/21 06:48	75-25-2	
Bromomethane	<0.27	ug/m3	1.2	0.27	1.49		03/27/21 06:48	74-83-9	
1,3-Butadiene	<0.16	ug/m3	0.67	0.16	1.49		03/27/21 06:48	106-99-0	
2-Butanone (MEK)	19.7	ug/m3	4.5	1.3	1.49		03/27/21 06:48	78-93-3	
Carbon disulfide	1.1	ug/m3	0.94	0.15	1.49		03/27/21 06:48	75-15-0	
Carbon tetrachloride	<0.32	ug/m3	1.9	0.32	1.49		03/27/21 06:48	56-23-5	
Chlorobenzene	24.0	ug/m3	1.4	0.24	1.49		03/27/21 06:48	108-90-7	
Chloroethane	<0.21	ug/m3	0.80	0.21	1.49		03/27/21 06:48	75-00-3	
Chloroform	<0.22	ug/m3	0.74	0.22	1.49		03/27/21 06:48	67-66-3	
Chloromethane	<0.12	ug/m3	0.63	0.12	1.49		03/27/21 06:48	74-87-3	
Cyclohexane	5.8	ug/m3	2.6	0.27	1.49		03/27/21 06:48	110-82-7	
Dibromochloromethane	<0.49	ug/m3	2.6	0.49	1.49		03/27/21 06:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.35	ug/m3	1.2	0.35	1.49		03/27/21 06:48	106-93-4	
1,2-Dichlorobenzene	2.0	ug/m3	1.8	1.1	1.49		03/27/21 06:48	95-50-1	
1,3-Dichlorobenzene	2.3J	ug/m3	4.6	1.2	1.49		03/27/21 06:48	541-73-1	

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## ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

**Sample: SS-4**      **Lab ID: 10551358004**      Collected: 03/12/21 11:28      Received: 03/16/21 14:35      Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,4-Dichlorobenzene	<b>3.9J</b>	ug/m3	4.6	1.4	1.49		03/27/21 06:48	106-46-7	
Dichlorodifluoromethane	<b>67600</b>	ug/m3	1440	784	1430		03/30/21 13:30	75-71-8	
1,1-Dichloroethane	<b>&lt;0.19</b>	ug/m3	1.2	0.19	1.49		03/27/21 06:48	75-34-3	
1,2-Dichloroethane	<b>&lt;0.20</b>	ug/m3	0.61	0.20	1.49		03/27/21 06:48	107-06-2	
1,1-Dichloroethene	<b>&lt;0.19</b>	ug/m3	1.2	0.19	1.49		03/27/21 06:48	75-35-4	
cis-1,2-Dichloroethene	<b>&lt;0.21</b>	ug/m3	1.2	0.21	1.49		03/27/21 06:48	156-59-2	
trans-1,2-Dichloroethene	<b>&lt;0.25</b>	ug/m3	1.2	0.25	1.49		03/27/21 06:48	156-60-5	
1,2-Dichloropropane	<b>&lt;0.27</b>	ug/m3	1.4	0.27	1.49		03/27/21 06:48	78-87-5	
cis-1,3-Dichloropropene	<b>&lt;0.24</b>	ug/m3	1.4	0.24	1.49		03/27/21 06:48	10061-01-5	
trans-1,3-Dichloropropene	<b>&lt;0.99</b>	ug/m3	1.4	0.99	1.49		03/27/21 06:48	10061-02-6	
Dichlorotetrafluoroethane	<b>&lt;0.36</b>	ug/m3	2.1	0.36	1.49		03/27/21 06:48	76-14-2	
Ethanol	<b>224</b>	ug/m3	2.9	0.84	1.49		03/27/21 06:48	64-17-5	
Ethyl acetate	<b>&lt;0.18</b>	ug/m3	1.1	0.18	1.49		03/27/21 06:48	141-78-6	
Ethylbenzene	<b>192</b>	ug/m3	1.3	0.23	1.49		03/27/21 06:48	100-41-4	
4-Ethyltoluene	<b>5.9</b>	ug/m3	3.7	0.32	1.49		03/27/21 06:48	622-96-8	
n-Heptane	<b>5.8</b>	ug/m3	1.2	0.23	1.49		03/27/21 06:48	142-82-5	
Hexachloro-1,3-butadiene	<b>&lt;2.9</b>	ug/m3	8.1	2.9	1.49		03/27/21 06:48	87-68-3	
n-Hexane	<b>5.8</b>	ug/m3	1.1	0.32	1.49		03/27/21 06:48	110-54-3	
2-Hexanone	<b>3.0J</b>	ug/m3	6.2	1.2	1.49		03/27/21 06:48	591-78-6	
Methylene Chloride	<b>&lt;1.8</b>	ug/m3	5.3	1.8	1.49		03/27/21 06:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>3.7J</b>	ug/m3	6.2	0.17	1.49		03/27/21 06:48	108-10-1	
Methyl-tert-butyl ether	<b>&lt;0.20</b>	ug/m3	5.5	0.20	1.49		03/27/21 06:48	1634-04-4	
Naphthalene	<b>8.3</b>	ug/m3	7.9	2.8	1.49		03/27/21 06:48	91-20-3	
2-Propanol	<b>30.6</b>	ug/m3	3.7	1.3	1.49		03/27/21 06:48	67-63-0	
Propylene	<b>&lt;0.36</b>	ug/m3	0.52	0.36	1.49		03/27/21 06:48	115-07-1	
Styrene	<b>136</b>	ug/m3	1.3	0.41	1.49		03/27/21 06:48	100-42-5	
1,1,2,2-Tetrachloroethane	<b>&lt;0.32</b>	ug/m3	1.0	0.32	1.49		03/27/21 06:48	79-34-5	
Tetrachloroethene	<b>96.9</b>	ug/m3	1.0	0.37	1.49		03/27/21 06:48	127-18-4	
Tetrahydrofuran	<b>5.8</b>	ug/m3	0.89	0.20	1.49		03/27/21 06:48	109-99-9	
Toluene	<b>59.1</b>	ug/m3	1.1	0.18	1.49		03/27/21 06:48	108-88-3	
1,2,4-Trichlorobenzene	<b>&lt;5.8</b>	ug/m3	11.2	5.8	1.49		03/27/21 06:48	120-82-1	
1,1,1-Trichloroethane	<b>&lt;0.28</b>	ug/m3	1.7	0.28	1.49		03/27/21 06:48	71-55-6	
1,1,2-Trichloroethane	<b>&lt;0.26</b>	ug/m3	0.83	0.26	1.49		03/27/21 06:48	79-00-5	
Trichloroethene	<b>&lt;0.31</b>	ug/m3	0.81	0.31	1.49		03/27/21 06:48	79-01-6	
Trichlorofluoromethane	<b>4.0J</b>	ug/m3	4.3	0.34	1.49		03/27/21 06:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>99.2</b>	ug/m3	2.3	0.34	1.49		03/27/21 06:48	76-13-1	
1,2,4-Trimethylbenzene	<b>13.9</b>	ug/m3	1.5	0.29	1.49		03/27/21 06:48	95-63-6	
1,3,5-Trimethylbenzene	<b>5.0</b>	ug/m3	1.5	0.30	1.49		03/27/21 06:48	108-67-8	
Vinyl acetate	<b>&lt;0.17</b>	ug/m3	1.1	0.17	1.49		03/27/21 06:48	108-05-4	
Vinyl chloride	<b>&lt;0.13</b>	ug/m3	0.39	0.13	1.49		03/27/21 06:48	75-01-4	
m&p-Xylene	<b>83.2</b>	ug/m3	2.6	0.57	1.49		03/27/21 06:48	179601-23-1	
o-Xylene	<b>19.8</b>	ug/m3	1.3	0.22	1.49		03/27/21 06:48	95-47-6	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Sample Project No.: 10551358

Sample: SS-5 Lab ID: 10551358005 Collected: 03/12/21 10:05 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	54.8	ug/m3	9.2	3.4	1.52		03/27/21 07:22	67-64-1	
Benzene	3.9	ug/m3	0.49	0.21	1.52		03/27/21 07:22	71-43-2	
Benzyl chloride	<2.0	ug/m3	4.0	2.0	1.52		03/27/21 07:22	100-44-7	
Bromodichloromethane	<0.35	ug/m3	2.1	0.35	1.52		03/27/21 07:22	75-27-4	
Bromoform	<1.4	ug/m3	8.0	1.4	1.52		03/27/21 07:22	75-25-2	
Bromomethane	<0.27	ug/m3	1.2	0.27	1.52		03/27/21 07:22	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.68	0.17	1.52		03/27/21 07:22	106-99-0	
2-Butanone (MEK)	10	ug/m3	4.6	1.3	1.52		03/27/21 07:22	78-93-3	
Carbon disulfide	0.24J	ug/m3	0.96	0.16	1.52		03/27/21 07:22	75-15-0	
Carbon tetrachloride	<0.32	ug/m3	1.9	0.32	1.52		03/27/21 07:22	56-23-5	
Chlorobenzene	11.8	ug/m3	1.4	0.24	1.52		03/27/21 07:22	108-90-7	
Chloroethane	<0.21	ug/m3	0.81	0.21	1.52		03/27/21 07:22	75-00-3	
Chloroform	<0.22	ug/m3	0.75	0.22	1.52		03/27/21 07:22	67-66-3	
Chloromethane	<0.12	ug/m3	0.64	0.12	1.52		03/27/21 07:22	74-87-3	
Cyclohexane	5.9	ug/m3	2.7	0.28	1.52		03/27/21 07:22	110-82-7	
Dibromochloromethane	<0.50	ug/m3	2.6	0.50	1.52		03/27/21 07:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.35	ug/m3	1.2	0.35	1.52		03/27/21 07:22	106-93-4	
1,2-Dichlorobenzene	<1.1	ug/m3	1.9	1.1	1.52		03/27/21 07:22	95-50-1	
1,3-Dichlorobenzene	2.0J	ug/m3	4.6	1.3	1.52		03/27/21 07:22	541-73-1	
1,4-Dichlorobenzene	<1.5	ug/m3	4.7	1.5	1.52		03/27/21 07:22	106-46-7	
Dichlorodifluoromethane	60200	ug/m3	1470	800	1459		03/30/21 13:02	75-71-8	
1,1-Dichloroethane	<0.19	ug/m3	1.3	0.19	1.52		03/27/21 07:22	75-34-3	
1,2-Dichloroethane	<0.20	ug/m3	0.62	0.20	1.52		03/27/21 07:22	107-06-2	
1,1-Dichloroethene	<0.19	ug/m3	1.2	0.19	1.52		03/27/21 07:22	75-35-4	
cis-1,2-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.52		03/27/21 07:22	156-59-2	
trans-1,2-Dichloroethene	<0.25	ug/m3	1.2	0.25	1.52		03/27/21 07:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/m3	1.4	0.28	1.52		03/27/21 07:22	78-87-5	
cis-1,3-Dichloropropene	<0.24	ug/m3	1.4	0.24	1.52		03/27/21 07:22	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/m3	1.4	1.0	1.52		03/27/21 07:22	10061-02-6	
Dichlorotetrafluoroethane	<0.37	ug/m3	2.2	0.37	1.52		03/27/21 07:22	76-14-2	
Ethanol	356	ug/m3	2.9	0.86	1.52		03/27/21 07:22	64-17-5	
Ethyl acetate	1.4	ug/m3	1.1	0.18	1.52		03/27/21 07:22	141-78-6	
Ethylbenzene	70.9	ug/m3	1.3	0.24	1.52		03/27/21 07:22	100-41-4	
4-Ethyltoluene	4.0	ug/m3	3.8	0.32	1.52		03/27/21 07:22	622-96-8	
n-Heptane	8.2	ug/m3	1.3	0.23	1.52		03/27/21 07:22	142-82-5	
Hexachloro-1,3-butadiene	<2.9	ug/m3	8.2	2.9	1.52		03/27/21 07:22	87-68-3	
n-Hexane	9.9	ug/m3	1.1	0.33	1.52		03/27/21 07:22	110-54-3	
2-Hexanone	2.7J	ug/m3	6.3	1.2	1.52		03/27/21 07:22	591-78-6	
Methylene Chloride	<1.8	ug/m3	5.4	1.8	1.52		03/27/21 07:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.0J	ug/m3	6.3	0.17	1.52		03/27/21 07:22	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.6	0.20	1.52		03/27/21 07:22	1634-04-4	
Naphthalene	3.8J	ug/m3	8.1	2.9	1.52		03/27/21 07:22	91-20-3	
2-Propanol	23.3	ug/m3	3.8	1.3	1.52		03/27/21 07:22	67-63-0	
Propylene	<0.37	ug/m3	0.53	0.37	1.52		03/27/21 07:22	115-07-1	
Styrene	65.5	ug/m3	1.3	0.41	1.52		03/27/21 07:22	100-42-5	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Sample: SS-5 Lab ID: 10551358005 Collected: 03/12/21 10:05 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.33	ug/m3	1.1	0.33	1.52		03/27/21 07:22	79-34-5	
Tetrachloroethene	122	ug/m3	1.0	0.38	1.52		03/27/21 07:22	127-18-4	
Tetrahydrofuran	<0.20	ug/m3	0.91	0.20	1.52		03/27/21 07:22	109-99-9	
Toluene	21.0	ug/m3	1.2	0.18	1.52		03/27/21 07:22	108-88-3	
1,2,4-Trichlorobenzene	<5.9	ug/m3	11.5	5.9	1.52		03/27/21 07:22	120-82-1	
1,1,1-Trichloroethane	<0.29	ug/m3	1.7	0.29	1.52		03/27/21 07:22	71-55-6	
1,1,2-Trichloroethane	<0.26	ug/m3	0.84	0.26	1.52		03/27/21 07:22	79-00-5	
Trichloroethene	<0.32	ug/m3	0.83	0.32	1.52		03/27/21 07:22	79-01-6	
Trichlorofluoromethane	5.5	ug/m3	4.3	0.35	1.52		03/27/21 07:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	545	ug/m3	2.4	0.35	1.52		03/27/21 07:22	76-13-1	E
1,2,4-Trimethylbenzene	14.7	ug/m3	1.5	0.29	1.52		03/27/21 07:22	95-63-6	
1,3,5-Trimethylbenzene	3.5	ug/m3	1.5	0.31	1.52		03/27/21 07:22	108-67-8	
Vinyl acetate	<0.17	ug/m3	1.1	0.17	1.52		03/27/21 07:22	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.52		03/27/21 07:22	75-01-4	
m&p-Xylene	27.9	ug/m3	2.7	0.59	1.52		03/27/21 07:22	179601-23-1	
o-Xylene	10.5	ug/m3	1.3	0.22	1.52		03/27/21 07:22	95-47-6	

Sample: SS-6 Lab ID: 10551358006 Collected: 03/12/21 10:35 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	79.3	ug/m3	8.8	3.2	1.46		03/29/21 21:34	67-64-1	
Benzene	2.5	ug/m3	0.47	0.20	1.46		03/29/21 21:34	71-43-2	
Benzyl chloride	<1.9	ug/m3	3.8	1.9	1.46		03/29/21 21:34	100-44-7	
Bromodichloromethane	<0.33	ug/m3	2.0	0.33	1.46		03/29/21 21:34	75-27-4	
Bromoform	<1.3	ug/m3	7.7	1.3	1.46		03/29/21 21:34	75-25-2	
Bromomethane	<0.26	ug/m3	1.2	0.26	1.46		03/29/21 21:34	74-83-9	
1,3-Butadiene	<0.16	ug/m3	0.66	0.16	1.46		03/29/21 21:34	106-99-0	
2-Butanone (MEK)	18.4	ug/m3	4.4	1.3	1.46		03/29/21 21:34	78-93-3	
Carbon disulfide	<0.15	ug/m3	0.92	0.15	1.46		03/29/21 21:34	75-15-0	
Carbon tetrachloride	<0.31	ug/m3	1.9	0.31	1.46		03/29/21 21:34	56-23-5	
Chlorobenzene	13.5	ug/m3	1.4	0.24	1.46		03/29/21 21:34	108-90-7	
Chloroethane	<0.20	ug/m3	0.78	0.20	1.46		03/29/21 21:34	75-00-3	
Chloroform	<0.22	ug/m3	0.72	0.22	1.46		03/29/21 21:34	67-66-3	
Chloromethane	<0.11	ug/m3	0.61	0.11	1.46		03/29/21 21:34	74-87-3	
Cyclohexane	3.4	ug/m3	2.6	0.27	1.46		03/29/21 21:34	110-82-7	
Dibromochloromethane	<0.48	ug/m3	2.5	0.48	1.46		03/29/21 21:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.34	ug/m3	1.1	0.34	1.46		03/29/21 21:34	106-93-4	
1,2-Dichlorobenzene	1.1J	ug/m3	1.8	1.1	1.46		03/29/21 21:34	95-50-1	
1,3-Dichlorobenzene	<1.2	ug/m3	1.8	1.2	1.46		03/29/21 21:34	541-73-1	
1,4-Dichlorobenzene	2.0J	ug/m3	4.5	1.4	1.46		03/29/21 21:34	106-46-7	

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### ANALYTICAL RESULTS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Sample: **SS-6** Lab ID: **10551358006** Collected: 03/12/21 10:35 Received: 03/16/21 14:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	<b>29100</b>	ug/m3	708	384	700.8		03/30/21 12:17	75-71-8	
1,1-Dichloroethane	<b>&lt;0.19</b>	ug/m3	1.2	0.19	1.46		03/29/21 21:34	75-34-3	
1,2-Dichloroethane	<b>&lt;0.19</b>	ug/m3	0.60	0.19	1.46		03/29/21 21:34	107-06-2	
1,1-Dichloroethene	<b>&lt;0.19</b>	ug/m3	1.2	0.19	1.46		03/29/21 21:34	75-35-4	
cis-1,2-Dichloroethene	<b>&lt;0.20</b>	ug/m3	1.2	0.20	1.46		03/29/21 21:34	156-59-2	
trans-1,2-Dichloroethene	<b>&lt;0.24</b>	ug/m3	1.2	0.24	1.46		03/29/21 21:34	156-60-5	
1,2-Dichloropropane	<b>&lt;0.26</b>	ug/m3	1.4	0.26	1.46		03/29/21 21:34	78-87-5	
cis-1,3-Dichloropropene	<b>&lt;0.24</b>	ug/m3	1.3	0.24	1.46		03/29/21 21:34	10061-01-5	
trans-1,3-Dichloropropene	<b>&lt;0.97</b>	ug/m3	1.3	0.97	1.46		03/29/21 21:34	10061-02-6	
Dichlorotetrafluoroethane	<b>&lt;0.35</b>	ug/m3	2.1	0.35	1.46		03/29/21 21:34	76-14-2	
Ethanol	<b>336</b>	ug/m3	2.8	0.83	1.46		03/29/21 21:34	64-17-5	
Ethyl acetate	<b>&lt;0.18</b>	ug/m3	1.1	0.18	1.46		03/29/21 21:34	141-78-6	
Ethylbenzene	<b>67.0</b>	ug/m3	1.3	0.23	1.46		03/29/21 21:34	100-41-4	
4-Ethyltoluene	<b>7.0</b>	ug/m3	3.6	0.31	1.46		03/29/21 21:34	622-96-8	
n-Heptane	<b>6.2</b>	ug/m3	1.2	0.22	1.46		03/29/21 21:34	142-82-5	
Hexachloro-1,3-butadiene	<b>&lt;2.8</b>	ug/m3	7.9	2.8	1.46		03/29/21 21:34	87-68-3	
n-Hexane	<b>4.7</b>	ug/m3	1.0	0.31	1.46		03/29/21 21:34	110-54-3	
2-Hexanone	<b>2.8J</b>	ug/m3	6.1	1.2	1.46		03/29/21 21:34	591-78-6	
Methylene Chloride	<b>&lt;1.8</b>	ug/m3	5.2	1.8	1.46		03/29/21 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>7.9</b>	ug/m3	6.1	0.16	1.46		03/29/21 21:34	108-10-1	
Methyl-tert-butyl ether	<b>&lt;0.19</b>	ug/m3	5.3	0.19	1.46		03/29/21 21:34	1634-04-4	
Naphthalene	<b>3.8J</b>	ug/m3	3.9	2.7	1.46		03/29/21 21:34	91-20-3	
2-Propanol	<b>62.2</b>	ug/m3	3.6	1.2	1.46		03/29/21 21:34	67-63-0	
Propylene	<b>&lt;0.35</b>	ug/m3	0.51	0.35	1.46		03/29/21 21:34	115-07-1	
Styrene	<b>91.2</b>	ug/m3	1.3	0.40	1.46		03/29/21 21:34	100-42-5	
1,1,2,2-Tetrachloroethane	<b>&lt;0.31</b>	ug/m3	1.0	0.31	1.46		03/29/21 21:34	79-34-5	
Tetrachloroethene	<b>96.8</b>	ug/m3	1.0	0.36	1.46		03/29/21 21:34	127-18-4	
Tetrahydrofuran	<b>3.4</b>	ug/m3	0.88	0.19	1.46		03/29/21 21:34	109-99-9	
Toluene	<b>25.5</b>	ug/m3	1.1	0.18	1.46		03/29/21 21:34	108-88-3	
1,2,4-Trichlorobenzene	<b>&lt;5.7</b>	ug/m3	11.0	5.7	1.46		03/29/21 21:34	120-82-1	
1,1,1-Trichloroethane	<b>&lt;0.27</b>	ug/m3	1.6	0.27	1.46		03/29/21 21:34	71-55-6	
1,1,2-Trichloroethane	<b>&lt;0.25</b>	ug/m3	0.81	0.25	1.46		03/29/21 21:34	79-00-5	
Trichloroethene	<b>3.2</b>	ug/m3	0.80	0.31	1.46		03/29/21 21:34	79-01-6	
Trichlorofluoromethane	<b>2.3</b>	ug/m3	1.7	0.33	1.46		03/29/21 21:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>162</b>	ug/m3	2.3	0.34	1.46		03/29/21 21:34	76-13-1	
1,2,4-Trimethylbenzene	<b>11.1</b>	ug/m3	1.5	0.28	1.46		03/29/21 21:34	95-63-6	
1,3,5-Trimethylbenzene	<b>3.3</b>	ug/m3	1.5	0.30	1.46		03/29/21 21:34	108-67-8	
Vinyl acetate	<b>&lt;0.17</b>	ug/m3	1.0	0.17	1.46		03/29/21 21:34	108-05-4	
Vinyl chloride	<b>&lt;0.12</b>	ug/m3	0.38	0.12	1.46		03/29/21 21:34	75-01-4	
m&p-Xylene	<b>25.6</b>	ug/m3	2.6	0.56	1.46		03/29/21 21:34	179601-23-1	
o-Xylene	<b>7.7</b>	ug/m3	1.3	0.21	1.46		03/29/21 21:34	95-47-6	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS  
Pace Project No.: 10551358

QC Batch: 731536	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10551358004, 10551358005

METHOD BLANK: 3898952 Matrix: Air

Associated Lab Samples: 10551358004, 10551358005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	03/26/21 16:10	
1,1,2,2-Tetrachloroethane	ug/m3	<0.22	0.70	03/26/21 16:10	
1,1,2-Trichloroethane	ug/m3	<0.17	0.56	03/26/21 16:10	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.23	1.6	03/26/21 16:10	
1,1-Dichloroethane	ug/m3	<0.13	0.82	03/26/21 16:10	
1,1-Dichloroethene	ug/m3	<0.13	0.81	03/26/21 16:10	
1,2,4-Trichlorobenzene	ug/m3	<3.9	7.5	03/26/21 16:10	
1,2,4-Trimethylbenzene	ug/m3	<0.19	1.0	03/26/21 16:10	
1,2-Dibromoethane (EDB)	ug/m3	<0.23	0.78	03/26/21 16:10	
1,2-Dichlorobenzene	ug/m3	1.1J	1.2	03/26/21 16:10	
1,2-Dichloroethane	ug/m3	<0.13	0.41	03/26/21 16:10	
1,2-Dichloropropane	ug/m3	<0.18	0.94	03/26/21 16:10	
1,3,5-Trimethylbenzene	ug/m3	<0.20	1.0	03/26/21 16:10	
1,3-Butadiene	ug/m3	<0.11	0.45	03/26/21 16:10	
1,3-Dichlorobenzene	ug/m3	<0.84	3.1	03/26/21 16:10	
1,4-Dichlorobenzene	ug/m3	<0.97	3.1	03/26/21 16:10	
2-Butanone (MEK)	ug/m3	<0.88	3.0	03/26/21 16:10	
2-Hexanone	ug/m3	<0.80	4.2	03/26/21 16:10	
2-Propanol	ug/m3	<0.85	2.5	03/26/21 16:10	
4-Ethyltoluene	ug/m3	<0.21	2.5	03/26/21 16:10	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.11	4.2	03/26/21 16:10	
Acetone	ug/m3	<2.2	6.0	03/26/21 16:10	
Benzene	ug/m3	<0.14	0.32	03/26/21 16:10	
Benzyl chloride	ug/m3	<1.3	2.6	03/26/21 16:10	
Bromodichloromethane	ug/m3	<0.23	1.4	03/26/21 16:10	
Bromoform	ug/m3	<0.92	5.2	03/26/21 16:10	
Bromomethane	ug/m3	<0.18	0.79	03/26/21 16:10	
Carbon disulfide	ug/m3	<0.10	0.63	03/26/21 16:10	
Carbon tetrachloride	ug/m3	<0.21	1.3	03/26/21 16:10	
Chlorobenzene	ug/m3	<0.16	0.94	03/26/21 16:10	
Chloroethane	ug/m3	<0.14	0.54	03/26/21 16:10	
Chloroform	ug/m3	<0.15	0.50	03/26/21 16:10	
Chloromethane	ug/m3	<0.077	0.42	03/26/21 16:10	
cis-1,2-Dichloroethene	ug/m3	<0.14	0.81	03/26/21 16:10	
cis-1,3-Dichloropropene	ug/m3	<0.16	0.92	03/26/21 16:10	
Cyclohexane	ug/m3	<0.18	1.8	03/26/21 16:10	
Dibromochloromethane	ug/m3	<0.33	1.7	03/26/21 16:10	
Dichlorodifluoromethane	ug/m3	<0.55	1.0	03/26/21 16:10	
Dichlorotetrafluoroethane	ug/m3	<0.24	1.4	03/26/21 16:10	
Ethanol	ug/m3	0.91J	1.9	03/26/21 16:10	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

METHOD BLANK: 3898952

Matrix: Air

Associated Lab Samples: 10551358004, 10551358005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.12	0.73	03/26/21 16:10	
Ethylbenzene	ug/m3	<0.16	0.88	03/26/21 16:10	
Hexachloro-1,3-butadiene	ug/m3	<1.9	5.4	03/26/21 16:10	
m&p-Xylene	ug/m3	<0.38	1.8	03/26/21 16:10	
Methyl-tert-butyl ether	ug/m3	<0.13	3.7	03/26/21 16:10	
Methylene Chloride	ug/m3	<1.2	3.5	03/26/21 16:10	
n-Heptane	ug/m3	<0.15	0.83	03/26/21 16:10	
n-Hexane	ug/m3	<0.21	0.72	03/26/21 16:10	
Naphthalene	ug/m3	2.7J	5.3	03/26/21 16:10	
o-Xylene	ug/m3	<0.15	0.88	03/26/21 16:10	
Propylene	ug/m3	<0.24	0.35	03/26/21 16:10	
Styrene	ug/m3	<0.27	0.87	03/26/21 16:10	
Tetrachloroethene	ug/m3	<0.25	0.69	03/26/21 16:10	
Tetrahydrofuran	ug/m3	<0.13	0.60	03/26/21 16:10	
Toluene	ug/m3	<0.12	0.77	03/26/21 16:10	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	03/26/21 16:10	
trans-1,3-Dichloropropene	ug/m3	<0.66	0.92	03/26/21 16:10	
Trichloroethene	ug/m3	<0.21	0.55	03/26/21 16:10	
Trichlorofluoromethane	ug/m3	<0.23	2.9	03/26/21 16:10	
Vinyl acetate	ug/m3	<0.11	0.72	03/26/21 16:10	
Vinyl chloride	ug/m3	<0.084	0.26	03/26/21 16:10	

LABORATORY CONTROL SAMPLE: 3898953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.2	60.1	109	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.5	77.4	107	70-132	
1,1,2-Trichloroethane	ug/m3	56.3	63.5	113	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	83.9	108	70-130	
1,1-Dichloroethane	ug/m3	42.1	43.4	103	70-133	
1,1-Dichloroethene	ug/m3	41.5	44.2	106	70-130	
1,2,4-Trichlorobenzene	ug/m3	82	102	124	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.9	56.9	110	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.4	89.2	111	70-138	
1,2-Dichlorobenzene	ug/m3	66	62.6	95	70-146	
1,2-Dichloroethane	ug/m3	42.1	45.3	108	70-132	
1,2-Dichloropropane	ug/m3	47.1	49.0	104	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.4	51.6	100	70-143	
1,3-Butadiene	ug/m3	23	20.5	89	70-136	
1,3-Dichlorobenzene	ug/m3	63	62.4	99	70-145	
1,4-Dichlorobenzene	ug/m3	65.5	63.1	96	70-140	
2-Butanone (MEK)	ug/m3	32.4	30.1	93	50-139	
2-Hexanone	ug/m3	41.4	42.1	102	70-148	
2-Propanol	ug/m3	27.4	31.5	115	67-135	

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

LABORATORY CONTROL SAMPLE: 3898953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	51.7	50.4	98	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.4	43.2	102	70-139	
Acetone	ug/m3	24.6	24.2	98	64-130	
Benzene	ug/m3	32.9	33.8	103	70-131	
Benzyl chloride	ug/m3	57.3	48.3	84	70-130	
Bromodichloromethane	ug/m3	69.7	78.9	113	70-133	
Bromoform	ug/m3	110	101	92	70-137	
Bromomethane	ug/m3	39.9	34.2	86	64-134	
Carbon disulfide	ug/m3	33.4	34.2	102	70-131	
Carbon tetrachloride	ug/m3	65	76.5	118	70-131	
Chlorobenzene	ug/m3	48.3	51.9	108	70-130	
Chloroethane	ug/m3	26.9	27.6	103	69-141	
Chloroform	ug/m3	48.5	51.3	106	70-130	
Chloromethane	ug/m3	21.1	20.5	97	70-130	
cis-1,2-Dichloroethene	ug/m3	41	43.8	107	70-137	
cis-1,3-Dichloropropene	ug/m3	46.9	48.7	104	70-144	
Cyclohexane	ug/m3	35.2	36.6	104	70-137	
Dibromochloromethane	ug/m3	87.3	110	125	70-132	
Dichlorodifluoromethane	ug/m3	51.3	52.7	103	70-130	
Dichlorotetrafluoroethane	ug/m3	65.1	71.2	109	70-130	
Ethanol	ug/m3	19.2	23.0	120	63-133	
Ethyl acetate	ug/m3	35.9	39.7	111	70-136	
Ethylbenzene	ug/m3	45.6	47.1	103	70-142	
Hexachloro-1,3-butadiene	ug/m3	117	125	107	70-135	
m&p-Xylene	ug/m3	45.9	48.9	106	70-141	
Methyl-tert-butyl ether	ug/m3	36.9	38.2	103	70-143	
Methylene Chloride	ug/m3	37.8	41.9	111	70-130	
n-Heptane	ug/m3	41.7	40.4	97	70-137	
n-Hexane	ug/m3	35.1	34.6	98	70-135	
Naphthalene	ug/m3	58.1	62.1	107	67-132	
o-Xylene	ug/m3	46	45.0	98	70-141	
Propylene	ug/m3	17.9	17.3	97	70-130	
Styrene	ug/m3	45.3	45.1	100	70-142	
Tetrachloroethene	ug/m3	69.9	70.9	102	70-130	
Tetrahydrofuran	ug/m3	30.1	29.5	98	70-136	
Toluene	ug/m3	39.4	42.5	108	70-138	
trans-1,2-Dichloroethene	ug/m3	40.8	42.1	103	70-130	
trans-1,3-Dichloropropene	ug/m3	48.2	47.1	98	70-145	
Trichloroethene	ug/m3	55.7	59.5	107	70-130	
Trichlorofluoromethane	ug/m3	56.5	55.6	98	69-135	
Vinyl acetate	ug/m3	38.1	47.4	124	70-146	
Vinyl chloride	ug/m3	26.6	27.1	102	70-137	

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

SAMPLE DUPLICATE: 3901718

Parameter	Units	10551134006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.24		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.28		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.23		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.38J		25	
1,1-Dichloroethane	ug/m3	ND	<0.17		25	
1,1-Dichloroethene	ug/m3	ND	<0.17		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.1		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.25		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.30		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.95		25	
1,2-Dichloroethane	ug/m3	ND	<0.17		25	
1,2-Dichloropropane	ug/m3	ND	<0.24		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.27		25	
1,3-Butadiene	ug/m3	ND	<0.14		25	
1,3-Dichlorobenzene	ug/m3	ND	<1.1		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.3		25	
2-Butanone (MEK)	ug/m3	ND	<1.1		25	
2-Hexanone	ug/m3	ND	<1.0		25	
2-Propanol	ug/m3	ND	<1.1		25	
4-Ethyltoluene	ug/m3	ND	<0.28		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.14		25	
Acetone	ug/m3	ND	4.3J		25	
Benzene	ug/m3	1.3	1.4	6	25	
Benzyl chloride	ug/m3	ND	<1.7		25	
Bromodichloromethane	ug/m3	ND	<0.30		25	
Bromoform	ug/m3	ND	<1.2		25	
Bromomethane	ug/m3	ND	<0.23		25	
Carbon disulfide	ug/m3	0.84	0.79J		25	
Carbon tetrachloride	ug/m3	ND	<0.28		25	
Chlorobenzene	ug/m3	ND	<0.21		25	
Chloroethane	ug/m3	ND	<0.18		25	
Chloroform	ug/m3	ND	0.28J		25	
Chloromethane	ug/m3	ND	<0.10		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.18		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.21		25	
Cyclohexane	ug/m3	7.7	9.0	15	25	
Dibromochloromethane	ug/m3	ND	<0.43		25	
Dichlorodifluoromethane	ug/m3	ND	2.3		25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.31		25	
Ethanol	ug/m3	7.5	5.7	27	25	R1
Ethyl acetate	ug/m3	ND	<0.16		25	
Ethylbenzene	ug/m3	ND	0.26J		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.5		25	
m&p-Xylene	ug/m3	ND	0.85J		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.17		25	
Methylene Chloride	ug/m3	ND	1.8J		25	
n-Heptane	ug/m3	2.2	2.5	14	25	

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

SAMPLE DUPLICATE: 3901718

Parameter	Units	10551134006 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	27.4	28.7	5	25	
Naphthalene	ug/m3	ND	<2.4		25	
o-Xylene	ug/m3	ND	0.21J		25	
Propylene	ug/m3	ND	<0.31		25	
Styrene	ug/m3	ND	<0.35		25	
Tetrachloroethene	ug/m3	2.4	2.4	2	25	
Tetrahydrofuran	ug/m3	ND	<0.17		25	
Toluene	ug/m3	2.6	2.6	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	0.37J		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.86		25	
Trichloroethene	ug/m3	3.1	3.1	0	25	
Trichlorofluoromethane	ug/m3	ND	2.2J		25	
Vinyl acetate	ug/m3	ND	<0.15		25	
Vinyl chloride	ug/m3	ND	<0.11		25	

SAMPLE DUPLICATE: 3901719

Parameter	Units	10551134008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.31		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.35		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.29		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.74J		25	
1,1-Dichloroethane	ug/m3	ND	<0.21		25	
1,1-Dichloroethene	ug/m3	ND	<0.21		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<6.4		25	
1,2,4-Trimethylbenzene	ug/m3	2.0	2.0	0	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.38		25	
1,2-Dichlorobenzene	ug/m3	ND	<1.2		25	
1,2-Dichloroethane	ug/m3	ND	<0.21		25	
1,2-Dichloropropane	ug/m3	ND	<0.30		25	
1,3,5-Trimethylbenzene	ug/m3	ND	0.66J		25	
1,3-Butadiene	ug/m3	ND	<0.18		25	
1,3-Dichlorobenzene	ug/m3	ND	<1.4		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.6		25	
2-Butanone (MEK)	ug/m3	ND	4.1J		25	
2-Hexanone	ug/m3	ND	<1.3		25	
2-Propanol	ug/m3	6.1	6.9	12	25	
4-Ethyltoluene	ug/m3	ND	1.3J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	5.2J		25	
Acetone	ug/m3	42.9	45.1	5	25	
Benzene	ug/m3	2.2	2.1	4	25	
Benzyl chloride	ug/m3	ND	<2.2		25	
Bromodichloromethane	ug/m3	ND	<0.37		25	
Bromoform	ug/m3	ND	<1.5		25	
Bromomethane	ug/m3	ND	<0.30		25	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

SAMPLE DUPLICATE: 3901719

Parameter	Units	10551134008 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<0.17		25	
Carbon tetrachloride	ug/m3	ND	0.45J		25	
Chlorobenzene	ug/m3	ND	<0.26		25	
Chloroethane	ug/m3	ND	<0.23		25	
Chloroform	ug/m3	ND	<0.24		25	
Chloromethane	ug/m3	2.2	2.0	11	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.23		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.26		25	
Cyclohexane	ug/m3	7.0	6.9	2	25	
Dibromochloromethane	ug/m3	ND	<0.54		25	
Dichlorodifluoromethane	ug/m3	ND	2.3		25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.40		25	
Ethanol	ug/m3	47.2	48.3	2	25	
Ethyl acetate	ug/m3	ND	3.0		25	
Ethylbenzene	ug/m3	4.5	4.5	0	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<3.2		25	
m&p-Xylene	ug/m3	16.5	16.5	0	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.22		25	
Methylene Chloride	ug/m3	ND	<2.0		25	
n-Heptane	ug/m3	4.0	4.1	3	25	
n-Hexane	ug/m3	8.2	8.1	0	25	
Naphthalene	ug/m3	ND	<3.1		25	
o-Xylene	ug/m3	4.6	4.5	1	25	
Propylene	ug/m3	ND	<0.40		25	
Styrene	ug/m3	ND	1.5		25	
Tetrachloroethene	ug/m3	ND	<0.41		25	
Tetrahydrofuran	ug/m3	ND	<0.21		25	
Toluene	ug/m3	19.0	18.4	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.27		25	
trans-1,3-Dichloropropene	ug/m3	ND	<1.1		25	
Trichloroethene	ug/m3	ND	<0.34		25	
Trichlorofluoromethane	ug/m3	ND	2.6J		25	
Vinyl acetate	ug/m3	ND	<0.19		25	
Vinyl chloride	ug/m3	ND	<0.14		25	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

QC Batch: 731810

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory:

Pace Analytical Services - Minneapolis

Associated Lab Samples: 10551358001, 10551358002, 10551358006

METHOD BLANK: 3900837

Matrix: Air

Associated Lab Samples: 10551358001, 10551358002, 10551358006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.094	0.56	03/29/21 19:45	
1,1,2,2-Tetrachloroethane	ug/m3	<0.11	0.35	03/29/21 19:45	
1,1,2-Trichloroethane	ug/m3	<0.087	0.28	03/29/21 19:45	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.12	0.78	03/29/21 19:45	
1,1-Dichloroethane	ug/m3	<0.064	0.41	03/29/21 19:45	
1,1-Dichloroethene	ug/m3	<0.064	0.40	03/29/21 19:45	
1,2,4-Trichlorobenzene	ug/m3	<2.0	3.8	03/29/21 19:45	
1,2,4-Trimethylbenzene	ug/m3	<0.097	0.50	03/29/21 19:45	
1,2-Dibromoethane (EDB)	ug/m3	<0.12	0.39	03/29/21 19:45	
1,2-Dichlorobenzene	ug/m3	<0.36	0.61	03/29/21 19:45	
1,2-Dichloroethane	ug/m3	<0.066	0.21	03/29/21 19:45	
1,2-Dichloropropane	ug/m3	<0.090	0.47	03/29/21 19:45	
1,3,5-Trimethylbenzene	ug/m3	<0.10	0.50	03/29/21 19:45	
1,3-Butadiene	ug/m3	<0.055	0.22	03/29/21 19:45	
1,3-Dichlorobenzene	ug/m3	<0.42	0.61	03/29/21 19:45	
1,4-Dichlorobenzene	ug/m3	<0.48	1.5	03/29/21 19:45	
2-Butanone (MEK)	ug/m3	<0.44	1.5	03/29/21 19:45	
2-Hexanone	ug/m3	<0.40	2.1	03/29/21 19:45	
2-Propanol	ug/m3	<0.43	1.2	03/29/21 19:45	
4-Ethyltoluene	ug/m3	<0.11	1.2	03/29/21 19:45	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.056	2.1	03/29/21 19:45	
Acetone	ug/m3	<1.1	3.0	03/29/21 19:45	
Benzene	ug/m3	<0.068	0.16	03/29/21 19:45	
Benzyl chloride	ug/m3	<0.66	1.3	03/29/21 19:45	
Bromodichloromethane	ug/m3	<0.11	0.68	03/29/21 19:45	
Bromoform	ug/m3	<0.46	2.6	03/29/21 19:45	
Bromomethane	ug/m3	<0.090	0.39	03/29/21 19:45	
Carbon disulfide	ug/m3	<0.052	0.32	03/29/21 19:45	
Carbon tetrachloride	ug/m3	<0.11	0.64	03/29/21 19:45	
Chlorobenzene	ug/m3	<0.080	0.47	03/29/21 19:45	
Chloroethane	ug/m3	<0.069	0.27	03/29/21 19:45	
Chloroform	ug/m3	<0.074	0.25	03/29/21 19:45	
Chloromethane	ug/m3	<0.039	0.21	03/29/21 19:45	
cis-1,2-Dichloroethene	ug/m3	<0.070	0.40	03/29/21 19:45	
cis-1,3-Dichloropropene	ug/m3	<0.080	0.46	03/29/21 19:45	
Cyclohexane	ug/m3	<0.092	0.88	03/29/21 19:45	
Dibromochloromethane	ug/m3	<0.17	0.86	03/29/21 19:45	
Dichlorodifluoromethane	ug/m3	<0.27	0.50	03/29/21 19:45	
Dichlorotetrafluoroethane	ug/m3	<0.12	0.71	03/29/21 19:45	
Ethanol	ug/m3	<0.28	0.96	03/29/21 19:45	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

METHOD BLANK: 3900837

Matrix: Air

Associated Lab Samples: 10551358001, 10551358002, 10551358006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.060	0.37	03/29/21 19:45	
Ethylbenzene	ug/m3	<0.078	0.44	03/29/21 19:45	
Hexachloro-1,3-butadiene	ug/m3	<0.97	2.7	03/29/21 19:45	
m&p-Xylene	ug/m3	<0.19	0.88	03/29/21 19:45	
Methyl-tert-butyl ether	ug/m3	<0.066	1.8	03/29/21 19:45	
Methylene Chloride	ug/m3	<0.60	1.8	03/29/21 19:45	
n-Heptane	ug/m3	<0.076	0.42	03/29/21 19:45	
n-Hexane	ug/m3	<0.11	0.36	03/29/21 19:45	
Naphthalene	ug/m3	<0.94	1.3	03/29/21 19:45	
o-Xylene	ug/m3	<0.073	0.44	03/29/21 19:45	
Propylene	ug/m3	<0.12	0.18	03/29/21 19:45	
Styrene	ug/m3	<0.14	0.43	03/29/21 19:45	
Tetrachloroethene	ug/m3	<0.12	0.34	03/29/21 19:45	
Tetrahydrofuran	ug/m3	<0.066	0.30	03/29/21 19:45	
Toluene	ug/m3	<0.060	0.38	03/29/21 19:45	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	03/29/21 19:45	
trans-1,3-Dichloropropene	ug/m3	<0.33	0.46	03/29/21 19:45	
Trichloroethene	ug/m3	<0.10	0.27	03/29/21 19:45	
Trichlorofluoromethane	ug/m3	<0.11	0.57	03/29/21 19:45	
Vinyl acetate	ug/m3	<0.057	0.36	03/29/21 19:45	
Vinyl chloride	ug/m3	<0.042	0.13	03/29/21 19:45	

LABORATORY CONTROL SAMPLE: 3900838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.2	47.6	86	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	72.5	67.6	93	70-132	
1,1,2-Trichloroethane	ug/m3	56.3	46.9	83	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	62.2	80	70-130	
1,1-Dichloroethane	ug/m3	42.1	35.3	84	70-133	
1,1-Dichloroethene	ug/m3	41.5	34.7	84	70-130	
1,2,4-Trichlorobenzene	ug/m3	82	66.4	81	69-132	
1,2,4-Trimethylbenzene	ug/m3	51.9	41.9	81	70-142	
1,2-Dibromoethane (EDB)	ug/m3	80.4	62.7	78	70-138	
1,2-Dichlorobenzene	ug/m3	66	50.5	77	70-146	
1,2-Dichloroethane	ug/m3	42.1	36.1	86	70-132	
1,2-Dichloropropane	ug/m3	47.1	45.1	96	70-134	
1,3,5-Trimethylbenzene	ug/m3	51.4	41.6	81	70-143	
1,3-Butadiene	ug/m3	23	20.3	88	70-136	
1,3-Dichlorobenzene	ug/m3	63	51.1	81	70-145	
1,4-Dichlorobenzene	ug/m3	65.5	51.3	78	70-140	
2-Butanone (MEK)	ug/m3	32.4	25.8	80	50-139	
2-Hexanone	ug/m3	41.4	36.9	89	70-148	
2-Propanol	ug/m3	27.4	23.6	86	67-135	

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

LABORATORY CONTROL SAMPLE: 3900838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	51.7	41.3	80	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.4	36.7	87	70-139	
Acetone	ug/m3	24.6	19.0	77	64-130	
Benzene	ug/m3	32.9	29.6	90	70-131	
Benzyl chloride	ug/m3	57.3	42.3	74	70-130	
Bromodichloromethane	ug/m3	69.7	64.8	93	70-133	
Bromoform	ug/m3	110	83.6	76	70-137	
Bromomethane	ug/m3	39.9	33.1	83	64-134	
Carbon disulfide	ug/m3	33.4	30.0	90	70-131	
Carbon tetrachloride	ug/m3	65	57.2	88	70-131	
Chlorobenzene	ug/m3	48.3	41.0	85	70-130	
Chloroethane	ug/m3	26.9	25.0	93	69-141	
Chloroform	ug/m3	48.5	39.7	82	70-130	
Chloromethane	ug/m3	21.1	18.7	89	70-130	
cis-1,2-Dichloroethene	ug/m3	41	37.7	92	70-137	
cis-1,3-Dichloropropene	ug/m3	46.9	41.6	89	70-144	
Cyclohexane	ug/m3	35.2	31.3	89	70-137	
Dibromochloromethane	ug/m3	87.3	66.4	76	70-132	
Dichlorodifluoromethane	ug/m3	51.3	37.4	73	70-130	
Dichlorotetrafluoroethane	ug/m3	65.1	50.9	78	70-130	
Ethanol	ug/m3	19.2	19.8	104	63-133	
Ethyl acetate	ug/m3	35.9	34.6	96	70-136	
Ethylbenzene	ug/m3	45.6	38.7	85	70-142	
Hexachloro-1,3-butadiene	ug/m3	117	91.3	78	70-135	
m&p-Xylene	ug/m3	45.9	36.5	80	70-141	
Methyl-tert-butyl ether	ug/m3	36.9	34.0	92	70-143	
Methylene Chloride	ug/m3	37.8	31.2	82	70-130	
n-Heptane	ug/m3	41.7	36.8	88	70-137	
n-Hexane	ug/m3	35.1	30.6	87	70-135	
Naphthalene	ug/m3	58.1	49.4	85	67-132	
o-Xylene	ug/m3	46	36.9	80	70-141	
Propylene	ug/m3	17.9	15.6	87	70-130	
Styrene	ug/m3	45.3	36.9	81	70-142	
Tetrachloroethene	ug/m3	69.9	59.0	84	70-130	
Tetrahydrofuran	ug/m3	30.1	25.5	85	70-136	
Toluene	ug/m3	39.4	33.0	84	70-138	
trans-1,2-Dichloroethene	ug/m3	40.8	37.1	91	70-130	
trans-1,3-Dichloropropene	ug/m3	48.2	39.5	82	70-145	
Trichloroethene	ug/m3	55.7	47.6	86	70-130	
Trichlorofluoromethane	ug/m3	56.5	44.1	78	69-135	
Vinyl acetate	ug/m3	38.1	37.6	99	70-146	
Vinyl chloride	ug/m3	26.6	23.4	88	70-137	

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

QC Batch: 732054

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10551358003

METHOD BLANK: 3901904

Matrix: Air

Associated Lab Samples: 10551358003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.094	0.56	03/30/21 10:12	
1,1,2,2-Tetrachloroethane	ug/m3	<0.11	0.35	03/30/21 10:12	
1,1,2-Trichloroethane	ug/m3	<0.087	0.28	03/30/21 10:12	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.12	0.78	03/30/21 10:12	
1,1-Dichloroethane	ug/m3	<0.064	0.41	03/30/21 10:12	
1,1-Dichloroethene	ug/m3	<0.064	0.40	03/30/21 10:12	
1,2,4-Trichlorobenzene	ug/m3	<2.0	3.8	03/30/21 10:12	
1,2,4-Trimethylbenzene	ug/m3	<0.097	0.50	03/30/21 10:12	
1,2-Dibromoethane (EDB)	ug/m3	<0.12	0.39	03/30/21 10:12	
1,2-Dichlorobenzene	ug/m3	<0.36	0.61	03/30/21 10:12	
1,2-Dichloroethane	ug/m3	<0.066	0.21	03/30/21 10:12	
1,2-Dichloropropane	ug/m3	<0.090	0.47	03/30/21 10:12	
1,3,5-Trimethylbenzene	ug/m3	<0.10	0.50	03/30/21 10:12	
1,3-Butadiene	ug/m3	<0.055	0.22	03/30/21 10:12	
1,3-Dichlorobenzene	ug/m3	<0.42	0.61	03/30/21 10:12	
1,4-Dichlorobenzene	ug/m3	<0.48	1.5	03/30/21 10:12	
2-Butanone (MEK)	ug/m3	<0.44	1.5	03/30/21 10:12	
2-Hexanone	ug/m3	<0.40	2.1	03/30/21 10:12	
2-Propanol	ug/m3	<0.43	1.2	03/30/21 10:12	
4-Ethyltoluene	ug/m3	<0.11	1.2	03/30/21 10:12	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.056	2.1	03/30/21 10:12	
Acetone	ug/m3	<1.1	3.0	03/30/21 10:12	
Benzene	ug/m3	<0.068	0.16	03/30/21 10:12	
Benzyl chloride	ug/m3	<0.66	1.3	03/30/21 10:12	
Bromodichloromethane	ug/m3	<0.11	0.68	03/30/21 10:12	
Bromoform	ug/m3	<0.46	2.6	03/30/21 10:12	
Bromomethane	ug/m3	<0.090	0.39	03/30/21 10:12	
Carbon disulfide	ug/m3	<0.052	0.32	03/30/21 10:12	
Carbon tetrachloride	ug/m3	<0.11	0.64	03/30/21 10:12	
Chlorobenzene	ug/m3	<0.080	0.47	03/30/21 10:12	
Chloroethane	ug/m3	<0.069	0.27	03/30/21 10:12	
Chloroform	ug/m3	<0.074	0.25	03/30/21 10:12	
Chloromethane	ug/m3	<0.039	0.21	03/30/21 10:12	
cis-1,2-Dichloroethene	ug/m3	<0.070	0.40	03/30/21 10:12	
cis-1,3-Dichloropropene	ug/m3	<0.080	0.46	03/30/21 10:12	
Cyclohexane	ug/m3	<0.092	0.88	03/30/21 10:12	
Dibromochloromethane	ug/m3	<0.17	0.86	03/30/21 10:12	
Dichlorodifluoromethane	ug/m3	<0.27	0.50	03/30/21 10:12	
Dichlorotetrafluoroethane	ug/m3	<0.12	0.71	03/30/21 10:12	
Ethanol	ug/m3	<0.28	0.96	03/30/21 10:12	

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### QUALITY CONTROL DATA

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

METHOD BLANK: 3901904

Matrix: Air

Associated Lab Samples: 10551358003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.060	0.37	03/30/21 10:12	
Ethylbenzene	ug/m3	<0.078	0.44	03/30/21 10:12	
Hexachloro-1,3-butadiene	ug/m3	<0.97	2.7	03/30/21 10:12	
m&p-Xylene	ug/m3	<0.19	0.88	03/30/21 10:12	
Methyl-tert-butyl ether	ug/m3	<0.066	1.8	03/30/21 10:12	
Methylene Chloride	ug/m3	<0.60	1.8	03/30/21 10:12	
n-Heptane	ug/m3	<0.076	0.42	03/30/21 10:12	
n-Hexane	ug/m3	<0.11	0.36	03/30/21 10:12	
Naphthalene	ug/m3	<0.94	1.3	03/30/21 10:12	
o-Xylene	ug/m3	<0.073	0.44	03/30/21 10:12	
Propylene	ug/m3	<0.12	0.18	03/30/21 10:12	
Styrene	ug/m3	<0.14	0.43	03/30/21 10:12	
Tetrachloroethene	ug/m3	<0.12	0.34	03/30/21 10:12	
Tetrahydrofuran	ug/m3	<0.066	0.30	03/30/21 10:12	
Toluene	ug/m3	<0.060	0.38	03/30/21 10:12	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	03/30/21 10:12	
trans-1,3-Dichloropropene	ug/m3	<0.33	0.46	03/30/21 10:12	
Trichloroethene	ug/m3	<0.10	0.27	03/30/21 10:12	
Trichlorofluoromethane	ug/m3	<0.11	0.57	03/30/21 10:12	
Vinyl acetate	ug/m3	<0.057	0.36	03/30/21 10:12	
Vinyl chloride	ug/m3	<0.042	0.13	03/30/21 10:12	

LABORATORY CONTROL SAMPLE: 3901905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	71.4	120	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	75.4	95.3	126	70-132	
1,1,2-Trichloroethane	ug/m3	59.6	73.9	124	70-134	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	144	172	70-130	CH,L1,SS
1,1-Dichloroethane	ug/m3	43.9	53.6	122	70-133	
1,1-Dichloroethene	ug/m3	43.5	53.8	124	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	194	109	69-132	
1,2,4-Trimethylbenzene	ug/m3	54	64.9	120	70-142	
1,2-Dibromoethane (EDB)	ug/m3	82.5	101	122	70-138	
1,2-Dichlorobenzene	ug/m3	66.2	80.2	121	70-146	
1,2-Dichloroethane	ug/m3	44.4	55.5	125	70-132	
1,2-Dichloropropane	ug/m3	50.6	62.7	124	70-134	
1,3,5-Trimethylbenzene	ug/m3	53.7	62.8	117	70-143	
1,3-Butadiene	ug/m3	24.2	28.8	119	70-136	
1,3-Dichlorobenzene	ug/m3	66.3	81.1	122	70-145	
1,4-Dichlorobenzene	ug/m3	66.3	68.2	103	70-140	
2-Butanone (MEK)	ug/m3	32.3	37.5	116	50-139	
2-Hexanone	ug/m3	44.8	54.5	122	70-148	
2-Propanol	ug/m3	149	189	127	67-135	

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: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

LABORATORY CONTROL SAMPLE: 3901905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	53.7	62.4	116	70-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	56.2	125	70-139	
Acetone	ug/m3	128	156	122	64-130	
Benzene	ug/m3	34.8	42.3	121	70-131	
Benzyl chloride	ug/m3	57.6	58.4	101	70-130	
Bromodichloromethane	ug/m3	73.1	89.0	122	70-133	
Bromoform	ug/m3	114	128	113	70-137	
Bromomethane	ug/m3	42.5	49.7	117	64-134	
Carbon disulfide	ug/m3	34.4	41.7	121	70-131	
Carbon tetrachloride	ug/m3	69.4	79.3	114	70-131	
Chlorobenzene	ug/m3	50.2	59.0	118	70-130	
Chloroethane	ug/m3	28.8	32.7	113	69-141	
Chloroform	ug/m3	52.4	64.8	124	70-130	
Chloromethane	ug/m3	22.6	27.8	123	70-130	
cis-1,2-Dichloroethene	ug/m3	43.4	51.1	118	70-137	
cis-1,3-Dichloropropene	ug/m3	49.4	59.2	120	70-144	
Cyclohexane	ug/m3	37.4	45.0	120	70-137	
Dibromochloromethane	ug/m3	93.2	109	117	70-132	
Dichlorodifluoromethane	ug/m3	54.6	64.3	118	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	83.0	117	70-130	
Ethanol	ug/m3	124	151	122	63-133	
Ethyl acetate	ug/m3	38.9	46.7	120	70-136	
Ethylbenzene	ug/m3	47.8	58.9	123	70-142	
Hexachloro-1,3-butadiene	ug/m3	133	160	121	70-135	
m&p-Xylene	ug/m3	95.4	111	117	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	49.1	124	70-143	
Methylene Chloride	ug/m3	190	349	183	70-130	CH,L1,SS
n-Heptane	ug/m3	44.6	55.9	125	70-137	
n-Hexane	ug/m3	38	45.9	121	70-135	
Naphthalene	ug/m3	65.2	71.0	109	67-132	
o-Xylene	ug/m3	47.6	55.4	116	70-141	
Propylene	ug/m3	18.9	22.4	119	70-130	
Styrene	ug/m3	47	57.6	123	70-142	
Tetrachloroethene	ug/m3	73.4	84.0	114	70-130	
Tetrahydrofuran	ug/m3	32.1	39.8	124	70-136	
Toluene	ug/m3	41.6	51.3	124	70-138	
trans-1,2-Dichloroethene	ug/m3	43.6	54.0	124	70-130	
trans-1,3-Dichloropropene	ug/m3	50.5	62.0	123	70-145	
Trichloroethene	ug/m3	58.4	69.8	119	70-130	
Trichlorofluoromethane	ug/m3	62	71.4	115	69-135	
Vinyl acetate	ug/m3	46.4	53.2	115	70-146	
Vinyl chloride	ug/m3	28	32.1	114	70-137	

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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## QUALIFIERS

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

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### 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

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

R1 RPD value was outside control limits.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690020998 NAPA AUTO PARTS

Pace Project No.: 10551358

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10551358001	SS-1	TO-15	731810		
10551358002	SS-2	TO-15	731810		
10551358003	SS-3	TO-15	732054		
10551358004	SS-4	TO-15	731536		
10551358005	SS-5	TO-15	731536		
10551358006	SS-6	TO-15	731810		

### REPORT OF LABORATORY ANALYSIS

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# AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information: Company: <b>PAMBOLL</b> Address: <b>234 W FLORENTH ST</b> <b>MILWAUKEE WI 53204</b> Phone: <b>414-250-0129</b> Fax: <b>414-250-0129</b> Requested Due Date/TAI: <b>SD</b>	<b>Section B</b> Required Project Information: Report To: <b>KEVIN MAZURKIEWICZ</b> Copy To: Purchase Order No.: Project Name: <b>MAPA AUTO PARTS</b> Project Number: <b>1690020998</b>	<b>Section C</b> Invoice Information: Attention: Company Name: <b>PAMBOLL</b> Address: Pace Quote Reference: Pace Project Manager/Sales Rep: Pace Profile #: <b>41243</b>	Page: <b>1</b> of <b>1</b> <b>44383</b>				
<b>Section D Required Client Information</b> <b>AIR SAMPLE ID</b> Sample IDs MUST BE UNIQUE							
ITEM #	Valid Media Codes	FPD Reading (Client only)	COLLECTED	Summa Can Number	Flow Control Number	Method:	Pace Lab ID
1	Media Code: TB Tedlar Bag	Media Code: 6LL	DATE: 3/12/21 TIME: 1057	Initial Field - In Hg: -30	2954	Method: PM10	001
2	Media Code: 1LC 1 Liter Summa Can	Media Code: 6LL	DATE: 3/12/21 TIME: 1142	Initial Field - In Hg: -29	2682	Method: TO-15 Full List VOCs	002
3	Media Code: 6LL 6 Liter Summa Can	Media Code: 6LL	DATE: 3/12/21 TIME: 1147	Initial Field - In Hg: -28	2700	Method: TO-15 Short List Chlormated	003
4	Media Code: LVP Low Volume Purif	Media Code: 6LL	DATE: 3/12/21 TIME: 1050	Initial Field - In Hg: -30	1519	Method: TO-15 Short List VOCs	004
5	Media Code: HVP High Volume Purif	Media Code: 6LL	DATE: 3/12/21 TIME: 0925	Initial Field - In Hg: -30	2741	Method: TO-3 BTEX	005
6	Media Code: PM10 Other	Media Code: 6LL	DATE: 3/12/21 TIME: 0955	Initial Field - In Hg: -30	2309	Method: TO-3 Fixed Gas (%)	006
7							
8							
9							
10							
11							
12							

WO#: 10551358

10551358

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<i>Kyle Hemstead / Pamboll</i>	3/12/21	1640	FEDER	3/12/21	1435	Temp in °C	Received on Ice	Custody	Sealed Cooler	Samples Intact
			<i>Kyle Hemstead</i>			Y/N	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **KYLE HEMSTEAD**

SIGNATURE OF SAMPLER: *Kyle Hemstead*

DATE Signed (MM/DD/YY): **03/12/2021**

ORIGINAL





Document Name:  
**Sample Condition Upon Receipt (SCUR) - Air**

Document No.:  
**ENV-FRM-MIN4-0113 Rev.00**

Document Revised: 24Mar2020  
**Page 1 of 1**

Pace Analytical Services -  
**Minneapolis**

**Air Sample Condition Upon Receipt**

Client Name:  
**RAMBOLL**

Project #:

**WO# : 10551358**

PM: CT1 Due Date: 03/23/21  
CLIENT: Ramboll-WI

Courier:  Fed Ex  UPS  USPS  Client  
 Pace  Speedee  Commercial  See Exception

Tracking Number: **1723 2550 2982, 2993**

Custody Seal on Cooler/Box Present?  Yes  No Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Foam  None  Tin Can  Other: \_\_\_\_\_ Temp Blank rec:  Yes  No

Temp. (TO17 and TO13 samples only) (°C): **X** Corrected Temp (°C): **X** Thermometer Used:  G87A9170600254  G87A9155100842

Temp should be above freezing to 6°C Correction Factor: **X** Date & Initials of Person Examining Contents: **3/17/21 CMY**

Type of ice Received  Blue  Wet  None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or 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.
Short Hold Time Analysis (<72 hr)?	<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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-14, TO-15 or APH)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <b>Air Can</b> Airbag Filter TDT Passive		11. Individually Certified Cans Y <b>N</b> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Gauge #  10AIR26  10AIR34  10AIR35  4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SS-1	0658	2954	-3	15					
SS-2	1181	2682	-5	"					
SS-3	0121	2700	-3.5	"					
SS-4	3680	1519	-3	"					
SS-5	0327	2841	-3.5	"					
SS-6	3623	0907	-2.5	"					

**CLIENT NOTIFICATION/RESOLUTION**

Field Data Required?  Yes  No

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

Project Manager Review: *Carolynne Hunt*

Date: 3/18/21

April 28, 2021

Richard Mazurkiewicz  
Ramboll  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204

RE: Project: 1690020998 MTRC  
Pace Project No.: 40225737

Dear Richard Mazurkiewicz:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2021. 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,



Steven Mleczko  
steve.mleczko@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Staci Goetz, Ramboll  
David L. Markelz, Ramboll  
Erin Veder, Ramboll



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 1690020998 MTRC

Pace Project No.: 40225737

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### **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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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 1690020998 MTRC

Pace Project No.: 40225737

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40225737001	SB-4 (1-2)	Solid	04/23/21 13:10	04/24/21 09:05
40225737002	SB-4 (17-18)	Solid	04/23/21 13:15	04/24/21 09:05
40225737003	SB-5 (1-2)	Solid	04/23/21 13:45	04/24/21 09:05
40225737004	SB-5 (12-13)	Solid	04/23/21 13:50	04/24/21 09:05
40225737005	SB-6 (1-2)	Solid	04/23/21 12:30	04/24/21 09:05
40225737006	SB-6 (4-5)	Solid	04/23/21 12:35	04/24/21 09:05

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 1690020998 MTRC  
Pace Project No.: 40225737

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40225737001	SB-4 (1-2)	EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40225737002	SB-4 (17-18)	EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40225737003	SB-5 (1-2)	EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40225737004	SB-5 (12-13)	EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40225737005	SB-6 (1-2)	EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40225737006	SB-6 (4-5)	EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	MMX	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 1690020998 MTRC

Pace Project No.: 40225737

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40225737001</b>	<b>SB-4 (1-2)</b>					
ASTM D2974-87	Percent Moisture	18.7	%	0.10	04/24/21 13:45	
<b>40225737002</b>	<b>SB-4 (17-18)</b>					
ASTM D2974-87	Percent Moisture	40.7	%	0.10	04/24/21 13:45	
<b>40225737003</b>	<b>SB-5 (1-2)</b>					
EPA 8260	Methylene Chloride	38.0J	ug/kg	76.3	04/28/21 03:15	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	04/24/21 13:45	
<b>40225737004</b>	<b>SB-5 (12-13)</b>					
ASTM D2974-87	Percent Moisture	32.3	%	0.10	04/24/21 13:45	
<b>40225737005</b>	<b>SB-6 (1-2)</b>					
ASTM D2974-87	Percent Moisture	21.2	%	0.10	04/24/21 13:45	
<b>40225737006</b>	<b>SB-6 (4-5)</b>					
ASTM D2974-87	Percent Moisture	8.0	%	0.10	04/24/21 13:45	

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-4 (1-2)**      **Lab ID: 40225737001**      Collected: 04/23/21 13:10      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<17.5	ug/kg	73.0	17.5	1	04/27/21 09:00	04/28/21 02:34	630-20-6	
1,1,1-Trichloroethane	<18.7	ug/kg	73.0	18.7	1	04/27/21 09:00	04/28/21 02:34	71-55-6	
1,1,2,2-Tetrachloroethane	<26.4	ug/kg	73.0	26.4	1	04/27/21 09:00	04/28/21 02:34	79-34-5	
1,1,2-Trichloroethane	<26.6	ug/kg	73.0	26.6	1	04/27/21 09:00	04/28/21 02:34	79-00-5	
1,1-Dichloroethane	<18.7	ug/kg	73.0	18.7	1	04/27/21 09:00	04/28/21 02:34	75-34-3	
1,1-Dichloroethene	<24.2	ug/kg	73.0	24.2	1	04/27/21 09:00	04/28/21 02:34	75-35-4	
1,1-Dichloropropene	<23.6	ug/kg	73.0	23.6	1	04/27/21 09:00	04/28/21 02:34	563-58-6	
1,2,3-Trichlorobenzene	<81.3	ug/kg	365	81.3	1	04/27/21 09:00	04/28/21 02:34	87-61-6	
1,2,3-Trichloropropane	<35.5	ug/kg	73.0	35.5	1	04/27/21 09:00	04/28/21 02:34	96-18-4	
1,2,4-Trichlorobenzene	<60.1	ug/kg	365	60.1	1	04/27/21 09:00	04/28/21 02:34	120-82-1	
1,2,4-Trimethylbenzene	<21.7	ug/kg	73.0	21.7	1	04/27/21 09:00	04/28/21 02:34	95-63-6	
1,2-Dibromo-3-chloropropane	<56.6	ug/kg	365	56.6	1	04/27/21 09:00	04/28/21 02:34	96-12-8	
1,2-Dibromoethane (EDB)	<20.0	ug/kg	73.0	20.0	1	04/27/21 09:00	04/28/21 02:34	106-93-4	
1,2-Dichlorobenzene	<22.6	ug/kg	73.0	22.6	1	04/27/21 09:00	04/28/21 02:34	95-50-1	
1,2-Dichloroethane	<16.8	ug/kg	73.0	16.8	1	04/27/21 09:00	04/28/21 02:34	107-06-2	
1,2-Dichloropropane	<17.4	ug/kg	73.0	17.4	1	04/27/21 09:00	04/28/21 02:34	78-87-5	
1,3,5-Trimethylbenzene	<23.5	ug/kg	73.0	23.5	1	04/27/21 09:00	04/28/21 02:34	108-67-8	
1,3-Dichlorobenzene	<20.0	ug/kg	73.0	20.0	1	04/27/21 09:00	04/28/21 02:34	541-73-1	
1,3-Dichloropropane	<15.9	ug/kg	73.0	15.9	1	04/27/21 09:00	04/28/21 02:34	142-28-9	
1,4-Dichlorobenzene	<20.0	ug/kg	73.0	20.0	1	04/27/21 09:00	04/28/21 02:34	106-46-7	
2,2-Dichloropropane	<19.7	ug/kg	73.0	19.7	1	04/27/21 09:00	04/28/21 02:34	594-20-7	
2-Chlorotoluene	<23.6	ug/kg	73.0	23.6	1	04/27/21 09:00	04/28/21 02:34	95-49-8	
4-Chlorotoluene	<27.7	ug/kg	73.0	27.7	1	04/27/21 09:00	04/28/21 02:34	106-43-4	
Benzene	<17.4	ug/kg	29.2	17.4	1	04/27/21 09:00	04/28/21 02:34	71-43-2	
Bromobenzene	<28.5	ug/kg	73.0	28.5	1	04/27/21 09:00	04/28/21 02:34	108-86-1	
Bromochloromethane	<20.0	ug/kg	73.0	20.0	1	04/27/21 09:00	04/28/21 02:34	74-97-5	
Bromodichloromethane	<17.4	ug/kg	73.0	17.4	1	04/27/21 09:00	04/28/21 02:34	75-27-4	
Bromoform	<321	ug/kg	365	321	1	04/27/21 09:00	04/28/21 02:34	75-25-2	
Bromomethane	<102	ug/kg	365	102	1	04/27/21 09:00	04/28/21 02:34	74-83-9	
Carbon tetrachloride	<16.1	ug/kg	73.0	16.1	1	04/27/21 09:00	04/28/21 02:34	56-23-5	
Chlorobenzene	<8.7	ug/kg	73.0	8.7	1	04/27/21 09:00	04/28/21 02:34	108-90-7	
Chloroethane	<30.8	ug/kg	365	30.8	1	04/27/21 09:00	04/28/21 02:34	75-00-3	
Chloroform	<52.3	ug/kg	365	52.3	1	04/27/21 09:00	04/28/21 02:34	67-66-3	
Chloromethane	<27.7	ug/kg	73.0	27.7	1	04/27/21 09:00	04/28/21 02:34	74-87-3	
Dibromochloromethane	<249	ug/kg	365	249	1	04/27/21 09:00	04/28/21 02:34	124-48-1	
Dibromomethane	<21.6	ug/kg	73.0	21.6	1	04/27/21 09:00	04/28/21 02:34	74-95-3	
Dichlorodifluoromethane	<31.4	ug/kg	73.0	31.4	1	04/27/21 09:00	04/28/21 02:34	75-71-8	
Diisopropyl ether	<18.1	ug/kg	73.0	18.1	1	04/27/21 09:00	04/28/21 02:34	108-20-3	
Ethylbenzene	<17.4	ug/kg	73.0	17.4	1	04/27/21 09:00	04/28/21 02:34	100-41-4	
Hexachloro-1,3-butadiene	<145	ug/kg	365	145	1	04/27/21 09:00	04/28/21 02:34	87-68-3	
Isopropylbenzene (Cumene)	<19.7	ug/kg	73.0	19.7	1	04/27/21 09:00	04/28/21 02:34	98-82-8	
Methyl-tert-butyl ether	<21.5	ug/kg	73.0	21.5	1	04/27/21 09:00	04/28/21 02:34	1634-04-4	
Methylene Chloride	<20.3	ug/kg	73.0	20.3	1	04/27/21 09:00	04/28/21 02:34	75-09-2	
Naphthalene	<22.8	ug/kg	365	22.8	1	04/27/21 09:00	04/28/21 02:34	91-20-3	

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### ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-4 (1-2)**      **Lab ID: 40225737001**      Collected: 04/23/21 13:10      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<18.7	ug/kg	73.0	18.7	1	04/27/21 09:00	04/28/21 02:34	100-42-5	
Tetrachloroethene	<28.3	ug/kg	73.0	28.3	1	04/27/21 09:00	04/28/21 02:34	127-18-4	
Toluene	<18.4	ug/kg	73.0	18.4	1	04/27/21 09:00	04/28/21 02:34	108-88-3	
Trichloroethene	<27.3	ug/kg	73.0	27.3	1	04/27/21 09:00	04/28/21 02:34	79-01-6	
Trichlorofluoromethane	<21.2	ug/kg	73.0	21.2	1	04/27/21 09:00	04/28/21 02:34	75-69-4	
Vinyl chloride	<14.7	ug/kg	73.0	14.7	1	04/27/21 09:00	04/28/21 02:34	75-01-4	
Xylene (Total)	<52.7	ug/kg	219	52.7	1	04/27/21 09:00	04/28/21 02:34	1330-20-7	
cis-1,2-Dichloroethene	<15.6	ug/kg	73.0	15.6	1	04/27/21 09:00	04/28/21 02:34	156-59-2	
cis-1,3-Dichloropropene	<48.2	ug/kg	365	48.2	1	04/27/21 09:00	04/28/21 02:34	10061-01-5	
m&p-Xylene	<30.8	ug/kg	146	30.8	1	04/27/21 09:00	04/28/21 02:34	179601-23-1	
n-Butylbenzene	<33.4	ug/kg	73.0	33.4	1	04/27/21 09:00	04/28/21 02:34	104-51-8	
n-Propylbenzene	<17.5	ug/kg	73.0	17.5	1	04/27/21 09:00	04/28/21 02:34	103-65-1	
o-Xylene	<21.9	ug/kg	73.0	21.9	1	04/27/21 09:00	04/28/21 02:34	95-47-6	
p-Isopropyltoluene	<22.2	ug/kg	73.0	22.2	1	04/27/21 09:00	04/28/21 02:34	99-87-6	
sec-Butylbenzene	<17.8	ug/kg	73.0	17.8	1	04/27/21 09:00	04/28/21 02:34	135-98-8	
tert-Butylbenzene	<22.9	ug/kg	73.0	22.9	1	04/27/21 09:00	04/28/21 02:34	98-06-6	
trans-1,2-Dichloroethene	<15.8	ug/kg	73.0	15.8	1	04/27/21 09:00	04/28/21 02:34	156-60-5	
trans-1,3-Dichloropropene	<209	ug/kg	365	209	1	04/27/21 09:00	04/28/21 02:34	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	112	%	67-159		1	04/27/21 09:00	04/28/21 02:34	2037-26-5	
4-Bromofluorobenzene (S)	98	%	66-153		1	04/27/21 09:00	04/28/21 02:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	82-158		1	04/27/21 09:00	04/28/21 02:34	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.7	%	0.10	0.10	1		04/24/21 13:45		

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-4 (17-18)**      **Lab ID: 40225737002**      Collected: 04/23/21 13:15      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<33.9	ug/kg	141	33.9	1	04/27/21 09:00	04/28/21 02:55	630-20-6	
1,1,1-Trichloroethane	<36.1	ug/kg	141	36.1	1	04/27/21 09:00	04/28/21 02:55	71-55-6	
1,1,2,2-Tetrachloroethane	<51.1	ug/kg	141	51.1	1	04/27/21 09:00	04/28/21 02:55	79-34-5	
1,1,2-Trichloroethane	<51.4	ug/kg	141	51.4	1	04/27/21 09:00	04/28/21 02:55	79-00-5	
1,1-Dichloroethane	<36.1	ug/kg	141	36.1	1	04/27/21 09:00	04/28/21 02:55	75-34-3	
1,1-Dichloroethene	<46.9	ug/kg	141	46.9	1	04/27/21 09:00	04/28/21 02:55	75-35-4	
1,1-Dichloropropene	<45.7	ug/kg	141	45.7	1	04/27/21 09:00	04/28/21 02:55	563-58-6	
1,2,3-Trichlorobenzene	<157	ug/kg	706	157	1	04/27/21 09:00	04/28/21 02:55	87-61-6	
1,2,3-Trichloropropane	<68.6	ug/kg	141	68.6	1	04/27/21 09:00	04/28/21 02:55	96-18-4	
1,2,4-Trichlorobenzene	<116	ug/kg	706	116	1	04/27/21 09:00	04/28/21 02:55	120-82-1	
1,2,4-Trimethylbenzene	<42.1	ug/kg	141	42.1	1	04/27/21 09:00	04/28/21 02:55	95-63-6	
1,2-Dibromo-3-chloropropane	<110	ug/kg	706	110	1	04/27/21 09:00	04/28/21 02:55	96-12-8	
1,2-Dibromoethane (EDB)	<38.7	ug/kg	141	38.7	1	04/27/21 09:00	04/28/21 02:55	106-93-4	
1,2-Dichlorobenzene	<43.7	ug/kg	141	43.7	1	04/27/21 09:00	04/28/21 02:55	95-50-1	
1,2-Dichloroethane	<32.5	ug/kg	141	32.5	1	04/27/21 09:00	04/28/21 02:55	107-06-2	
1,2-Dichloropropane	<33.6	ug/kg	141	33.6	1	04/27/21 09:00	04/28/21 02:55	78-87-5	
1,3,5-Trimethylbenzene	<45.4	ug/kg	141	45.4	1	04/27/21 09:00	04/28/21 02:55	108-67-8	
1,3-Dichlorobenzene	<38.7	ug/kg	141	38.7	1	04/27/21 09:00	04/28/21 02:55	541-73-1	
1,3-Dichloropropane	<30.8	ug/kg	141	30.8	1	04/27/21 09:00	04/28/21 02:55	142-28-9	
1,4-Dichlorobenzene	<38.7	ug/kg	141	38.7	1	04/27/21 09:00	04/28/21 02:55	106-46-7	
2,2-Dichloropropane	<38.1	ug/kg	141	38.1	1	04/27/21 09:00	04/28/21 02:55	594-20-7	
2-Chlorotoluene	<45.7	ug/kg	141	45.7	1	04/27/21 09:00	04/28/21 02:55	95-49-8	
4-Chlorotoluene	<53.6	ug/kg	141	53.6	1	04/27/21 09:00	04/28/21 02:55	106-43-4	
Benzene	<33.6	ug/kg	56.4	33.6	1	04/27/21 09:00	04/28/21 02:55	71-43-2	
Bromobenzene	<55.0	ug/kg	141	55.0	1	04/27/21 09:00	04/28/21 02:55	108-86-1	
Bromochloromethane	<38.7	ug/kg	141	38.7	1	04/27/21 09:00	04/28/21 02:55	74-97-5	
Bromodichloromethane	<33.6	ug/kg	141	33.6	1	04/27/21 09:00	04/28/21 02:55	75-27-4	
Bromoform	<621	ug/kg	706	621	1	04/27/21 09:00	04/28/21 02:55	75-25-2	
Bromomethane	<198	ug/kg	706	198	1	04/27/21 09:00	04/28/21 02:55	74-83-9	
Carbon tetrachloride	<31.0	ug/kg	141	31.0	1	04/27/21 09:00	04/28/21 02:55	56-23-5	
Chlorobenzene	<16.9	ug/kg	141	16.9	1	04/27/21 09:00	04/28/21 02:55	108-90-7	
Chloroethane	<59.6	ug/kg	706	59.6	1	04/27/21 09:00	04/28/21 02:55	75-00-3	
Chloroform	<101	ug/kg	706	101	1	04/27/21 09:00	04/28/21 02:55	67-66-3	
Chloromethane	<53.6	ug/kg	141	53.6	1	04/27/21 09:00	04/28/21 02:55	74-87-3	
Dibromochloromethane	<482	ug/kg	706	482	1	04/27/21 09:00	04/28/21 02:55	124-48-1	
Dibromomethane	<41.8	ug/kg	141	41.8	1	04/27/21 09:00	04/28/21 02:55	74-95-3	
Dichlorodifluoromethane	<60.7	ug/kg	141	60.7	1	04/27/21 09:00	04/28/21 02:55	75-71-8	
Diisopropyl ether	<35.0	ug/kg	141	35.0	1	04/27/21 09:00	04/28/21 02:55	108-20-3	
Ethylbenzene	<33.6	ug/kg	141	33.6	1	04/27/21 09:00	04/28/21 02:55	100-41-4	
Hexachloro-1,3-butadiene	<281	ug/kg	706	281	1	04/27/21 09:00	04/28/21 02:55	87-68-3	
Isopropylbenzene (Cumene)	<38.1	ug/kg	141	38.1	1	04/27/21 09:00	04/28/21 02:55	98-82-8	
Methyl-tert-butyl ether	<41.5	ug/kg	141	41.5	1	04/27/21 09:00	04/28/21 02:55	1634-04-4	
Methylene Chloride	<39.2	ug/kg	141	39.2	1	04/27/21 09:00	04/28/21 02:55	75-09-2	
Naphthalene	<44.0	ug/kg	706	44.0	1	04/27/21 09:00	04/28/21 02:55	91-20-3	

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-4 (17-18)**      **Lab ID: 40225737002**      Collected: 04/23/21 13:15      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<36.1	ug/kg	141	36.1	1	04/27/21 09:00	04/28/21 02:55	100-42-5	
Tetrachloroethene	<54.8	ug/kg	141	54.8	1	04/27/21 09:00	04/28/21 02:55	127-18-4	
Toluene	<35.6	ug/kg	141	35.6	1	04/27/21 09:00	04/28/21 02:55	108-88-3	
Trichloroethene	<52.8	ug/kg	141	52.8	1	04/27/21 09:00	04/28/21 02:55	79-01-6	
Trichlorofluoromethane	<40.9	ug/kg	141	40.9	1	04/27/21 09:00	04/28/21 02:55	75-69-4	
Vinyl chloride	<28.5	ug/kg	141	28.5	1	04/27/21 09:00	04/28/21 02:55	75-01-4	
Xylene (Total)	<102	ug/kg	423	102	1	04/27/21 09:00	04/28/21 02:55	1330-20-7	
cis-1,2-Dichloroethene	<30.2	ug/kg	141	30.2	1	04/27/21 09:00	04/28/21 02:55	156-59-2	
cis-1,3-Dichloropropene	<93.1	ug/kg	706	93.1	1	04/27/21 09:00	04/28/21 02:55	10061-01-5	
m&p-Xylene	<59.6	ug/kg	282	59.6	1	04/27/21 09:00	04/28/21 02:55	179601-23-1	
n-Butylbenzene	<64.6	ug/kg	141	64.6	1	04/27/21 09:00	04/28/21 02:55	104-51-8	
n-Propylbenzene	<33.9	ug/kg	141	33.9	1	04/27/21 09:00	04/28/21 02:55	103-65-1	
o-Xylene	<42.3	ug/kg	141	42.3	1	04/27/21 09:00	04/28/21 02:55	95-47-6	
p-Isopropyltoluene	<42.9	ug/kg	141	42.9	1	04/27/21 09:00	04/28/21 02:55	99-87-6	
sec-Butylbenzene	<34.4	ug/kg	141	34.4	1	04/27/21 09:00	04/28/21 02:55	135-98-8	
tert-Butylbenzene	<44.3	ug/kg	141	44.3	1	04/27/21 09:00	04/28/21 02:55	98-06-6	
trans-1,2-Dichloroethene	<30.5	ug/kg	141	30.5	1	04/27/21 09:00	04/28/21 02:55	156-60-5	
trans-1,3-Dichloropropene	<404	ug/kg	706	404	1	04/27/21 09:00	04/28/21 02:55	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	96	%	67-159		1	04/27/21 09:00	04/28/21 02:55	2037-26-5	
4-Bromofluorobenzene (S)	89	%	66-153		1	04/27/21 09:00	04/28/21 02:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	82-158		1	04/27/21 09:00	04/28/21 02:55	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>40.7</b>	%	0.10	0.10	1		04/24/21 13:45		

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC  
Pace Project No.: 40225737

**Sample: SB-5 (1-2)**      **Lab ID: 40225737003**      Collected: 04/23/21 13:45      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<18.3	ug/kg	76.3	18.3	1	04/27/21 09:00	04/28/21 03:15	630-20-6	
1,1,1-Trichloroethane	<19.5	ug/kg	76.3	19.5	1	04/27/21 09:00	04/28/21 03:15	71-55-6	
1,1,2,2-Tetrachloroethane	<27.6	ug/kg	76.3	27.6	1	04/27/21 09:00	04/28/21 03:15	79-34-5	
1,1,2-Trichloroethane	<27.8	ug/kg	76.3	27.8	1	04/27/21 09:00	04/28/21 03:15	79-00-5	
1,1-Dichloroethane	<19.5	ug/kg	76.3	19.5	1	04/27/21 09:00	04/28/21 03:15	75-34-3	
1,1-Dichloroethene	<25.3	ug/kg	76.3	25.3	1	04/27/21 09:00	04/28/21 03:15	75-35-4	
1,1-Dichloropropene	<24.7	ug/kg	76.3	24.7	1	04/27/21 09:00	04/28/21 03:15	563-58-6	
1,2,3-Trichlorobenzene	<85.0	ug/kg	381	85.0	1	04/27/21 09:00	04/28/21 03:15	87-61-6	
1,2,3-Trichloropropane	<37.1	ug/kg	76.3	37.1	1	04/27/21 09:00	04/28/21 03:15	96-18-4	
1,2,4-Trichlorobenzene	<62.8	ug/kg	381	62.8	1	04/27/21 09:00	04/28/21 03:15	120-82-1	
1,2,4-Trimethylbenzene	<22.7	ug/kg	76.3	22.7	1	04/27/21 09:00	04/28/21 03:15	95-63-6	
1,2-Dibromo-3-chloropropane	<59.2	ug/kg	381	59.2	1	04/27/21 09:00	04/28/21 03:15	96-12-8	
1,2-Dibromoethane (EDB)	<20.9	ug/kg	76.3	20.9	1	04/27/21 09:00	04/28/21 03:15	106-93-4	
1,2-Dichlorobenzene	<23.6	ug/kg	76.3	23.6	1	04/27/21 09:00	04/28/21 03:15	95-50-1	
1,2-Dichloroethane	<17.5	ug/kg	76.3	17.5	1	04/27/21 09:00	04/28/21 03:15	107-06-2	
1,2-Dichloropropane	<18.1	ug/kg	76.3	18.1	1	04/27/21 09:00	04/28/21 03:15	78-87-5	
1,3,5-Trimethylbenzene	<24.6	ug/kg	76.3	24.6	1	04/27/21 09:00	04/28/21 03:15	108-67-8	
1,3-Dichlorobenzene	<20.9	ug/kg	76.3	20.9	1	04/27/21 09:00	04/28/21 03:15	541-73-1	
1,3-Dichloropropane	<16.6	ug/kg	76.3	16.6	1	04/27/21 09:00	04/28/21 03:15	142-28-9	
1,4-Dichlorobenzene	<20.9	ug/kg	76.3	20.9	1	04/27/21 09:00	04/28/21 03:15	106-46-7	
2,2-Dichloropropane	<20.6	ug/kg	76.3	20.6	1	04/27/21 09:00	04/28/21 03:15	594-20-7	
2-Chlorotoluene	<24.7	ug/kg	76.3	24.7	1	04/27/21 09:00	04/28/21 03:15	95-49-8	
4-Chlorotoluene	<29.0	ug/kg	76.3	29.0	1	04/27/21 09:00	04/28/21 03:15	106-43-4	
Benzene	<18.1	ug/kg	30.5	18.1	1	04/27/21 09:00	04/28/21 03:15	71-43-2	
Bromobenzene	<29.7	ug/kg	76.3	29.7	1	04/27/21 09:00	04/28/21 03:15	108-86-1	
Bromochloromethane	<20.9	ug/kg	76.3	20.9	1	04/27/21 09:00	04/28/21 03:15	74-97-5	
Bromodichloromethane	<18.1	ug/kg	76.3	18.1	1	04/27/21 09:00	04/28/21 03:15	75-27-4	
Bromoform	<336	ug/kg	381	336	1	04/27/21 09:00	04/28/21 03:15	75-25-2	
Bromomethane	<107	ug/kg	381	107	1	04/27/21 09:00	04/28/21 03:15	74-83-9	
Carbon tetrachloride	<16.8	ug/kg	76.3	16.8	1	04/27/21 09:00	04/28/21 03:15	56-23-5	
Chlorobenzene	<9.1	ug/kg	76.3	9.1	1	04/27/21 09:00	04/28/21 03:15	108-90-7	
Chloroethane	<32.2	ug/kg	381	32.2	1	04/27/21 09:00	04/28/21 03:15	75-00-3	
Chloroform	<54.6	ug/kg	381	54.6	1	04/27/21 09:00	04/28/21 03:15	67-66-3	
Chloromethane	<29.0	ug/kg	76.3	29.0	1	04/27/21 09:00	04/28/21 03:15	74-87-3	
Dibromochloromethane	<261	ug/kg	381	261	1	04/27/21 09:00	04/28/21 03:15	124-48-1	
Dibromomethane	<22.6	ug/kg	76.3	22.6	1	04/27/21 09:00	04/28/21 03:15	74-95-3	
Dichlorodifluoromethane	<32.8	ug/kg	76.3	32.8	1	04/27/21 09:00	04/28/21 03:15	75-71-8	
Diisopropyl ether	<18.9	ug/kg	76.3	18.9	1	04/27/21 09:00	04/28/21 03:15	108-20-3	
Ethylbenzene	<18.1	ug/kg	76.3	18.1	1	04/27/21 09:00	04/28/21 03:15	100-41-4	
Hexachloro-1,3-butadiene	<152	ug/kg	381	152	1	04/27/21 09:00	04/28/21 03:15	87-68-3	
Isopropylbenzene (Cumene)	<20.6	ug/kg	76.3	20.6	1	04/27/21 09:00	04/28/21 03:15	98-82-8	
Methyl-tert-butyl ether	<22.4	ug/kg	76.3	22.4	1	04/27/21 09:00	04/28/21 03:15	1634-04-4	
Methylene Chloride	<b>38.0J</b>	ug/kg	76.3	21.2	1	04/27/21 09:00	04/28/21 03:15	75-09-2	
Naphthalene	<23.8	ug/kg	381	23.8	1	04/27/21 09:00	04/28/21 03:15	91-20-3	

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### ANALYTICAL RESULTS

Project: 1690020998 MTRC  
Pace Project No.: 40225737

**Sample: SB-5 (1-2)**      **Lab ID: 40225737003**      Collected: 04/23/21 13:45      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<19.5	ug/kg	76.3	19.5	1	04/27/21 09:00	04/28/21 03:15	100-42-5	
Tetrachloroethene	<29.6	ug/kg	76.3	29.6	1	04/27/21 09:00	04/28/21 03:15	127-18-4	
Toluene	<19.2	ug/kg	76.3	19.2	1	04/27/21 09:00	04/28/21 03:15	108-88-3	
Trichloroethene	<28.5	ug/kg	76.3	28.5	1	04/27/21 09:00	04/28/21 03:15	79-01-6	
Trichlorofluoromethane	<22.1	ug/kg	76.3	22.1	1	04/27/21 09:00	04/28/21 03:15	75-69-4	
Vinyl chloride	<15.4	ug/kg	76.3	15.4	1	04/27/21 09:00	04/28/21 03:15	75-01-4	
Xylene (Total)	<55.1	ug/kg	229	55.1	1	04/27/21 09:00	04/28/21 03:15	1330-20-7	
cis-1,2-Dichloroethene	<16.3	ug/kg	76.3	16.3	1	04/27/21 09:00	04/28/21 03:15	156-59-2	
cis-1,3-Dichloropropene	<50.3	ug/kg	381	50.3	1	04/27/21 09:00	04/28/21 03:15	10061-01-5	
m&p-Xylene	<32.2	ug/kg	153	32.2	1	04/27/21 09:00	04/28/21 03:15	179601-23-1	
n-Butylbenzene	<34.9	ug/kg	76.3	34.9	1	04/27/21 09:00	04/28/21 03:15	104-51-8	
n-Propylbenzene	<18.3	ug/kg	76.3	18.3	1	04/27/21 09:00	04/28/21 03:15	103-65-1	
o-Xylene	<22.9	ug/kg	76.3	22.9	1	04/27/21 09:00	04/28/21 03:15	95-47-6	
p-Isopropyltoluene	<23.2	ug/kg	76.3	23.2	1	04/27/21 09:00	04/28/21 03:15	99-87-6	
sec-Butylbenzene	<18.6	ug/kg	76.3	18.6	1	04/27/21 09:00	04/28/21 03:15	135-98-8	
tert-Butylbenzene	<23.9	ug/kg	76.3	23.9	1	04/27/21 09:00	04/28/21 03:15	98-06-6	
trans-1,2-Dichloroethene	<16.5	ug/kg	76.3	16.5	1	04/27/21 09:00	04/28/21 03:15	156-60-5	
trans-1,3-Dichloropropene	<218	ug/kg	381	218	1	04/27/21 09:00	04/28/21 03:15	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	115	%	67-159		1	04/27/21 09:00	04/28/21 03:15	2037-26-5	
4-Bromofluorobenzene (S)	106	%	66-153		1	04/27/21 09:00	04/28/21 03:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	04/27/21 09:00	04/28/21 03:15	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	19.1	%	0.10	0.10	1		04/24/21 13:45		

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-5 (12-13)**      **Lab ID: 40225737004**      Collected: 04/23/21 13:50      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<27.6	ug/kg	115	27.6	1	04/27/21 09:00	04/28/21 03:35	630-20-6	
1,1,1-Trichloroethane	<29.4	ug/kg	115	29.4	1	04/27/21 09:00	04/28/21 03:35	71-55-6	
1,1,2,2-Tetrachloroethane	<41.6	ug/kg	115	41.6	1	04/27/21 09:00	04/28/21 03:35	79-34-5	
1,1,2-Trichloroethane	<41.9	ug/kg	115	41.9	1	04/27/21 09:00	04/28/21 03:35	79-00-5	
1,1-Dichloroethane	<29.4	ug/kg	115	29.4	1	04/27/21 09:00	04/28/21 03:35	75-34-3	
1,1-Dichloroethene	<38.2	ug/kg	115	38.2	1	04/27/21 09:00	04/28/21 03:35	75-35-4	
1,1-Dichloropropene	<37.3	ug/kg	115	37.3	1	04/27/21 09:00	04/28/21 03:35	563-58-6	
1,2,3-Trichlorobenzene	<128	ug/kg	575	128	1	04/27/21 09:00	04/28/21 03:35	87-61-6	
1,2,3-Trichloropropane	<55.9	ug/kg	115	55.9	1	04/27/21 09:00	04/28/21 03:35	96-18-4	
1,2,4-Trichlorobenzene	<94.8	ug/kg	575	94.8	1	04/27/21 09:00	04/28/21 03:35	120-82-1	
1,2,4-Trimethylbenzene	<34.3	ug/kg	115	34.3	1	04/27/21 09:00	04/28/21 03:35	95-63-6	
1,2-Dibromo-3-chloropropane	<89.3	ug/kg	575	89.3	1	04/27/21 09:00	04/28/21 03:35	96-12-8	
1,2-Dibromoethane (EDB)	<31.5	ug/kg	115	31.5	1	04/27/21 09:00	04/28/21 03:35	106-93-4	
1,2-Dichlorobenzene	<35.7	ug/kg	115	35.7	1	04/27/21 09:00	04/28/21 03:35	95-50-1	
1,2-Dichloroethane	<26.5	ug/kg	115	26.5	1	04/27/21 09:00	04/28/21 03:35	107-06-2	
1,2-Dichloropropane	<27.4	ug/kg	115	27.4	1	04/27/21 09:00	04/28/21 03:35	78-87-5	
1,3,5-Trimethylbenzene	<37.0	ug/kg	115	37.0	1	04/27/21 09:00	04/28/21 03:35	108-67-8	
1,3-Dichlorobenzene	<31.5	ug/kg	115	31.5	1	04/27/21 09:00	04/28/21 03:35	541-73-1	
1,3-Dichloropropane	<25.1	ug/kg	115	25.1	1	04/27/21 09:00	04/28/21 03:35	142-28-9	
1,4-Dichlorobenzene	<31.5	ug/kg	115	31.5	1	04/27/21 09:00	04/28/21 03:35	106-46-7	
2,2-Dichloropropane	<31.1	ug/kg	115	31.1	1	04/27/21 09:00	04/28/21 03:35	594-20-7	
2-Chlorotoluene	<37.3	ug/kg	115	37.3	1	04/27/21 09:00	04/28/21 03:35	95-49-8	
4-Chlorotoluene	<43.7	ug/kg	115	43.7	1	04/27/21 09:00	04/28/21 03:35	106-43-4	
Benzene	<27.4	ug/kg	46.0	27.4	1	04/27/21 09:00	04/28/21 03:35	71-43-2	
Bromobenzene	<44.9	ug/kg	115	44.9	1	04/27/21 09:00	04/28/21 03:35	108-86-1	
Bromochloromethane	<31.5	ug/kg	115	31.5	1	04/27/21 09:00	04/28/21 03:35	74-97-5	
Bromodichloromethane	<27.4	ug/kg	115	27.4	1	04/27/21 09:00	04/28/21 03:35	75-27-4	
Bromoform	<506	ug/kg	575	506	1	04/27/21 09:00	04/28/21 03:35	75-25-2	
Bromomethane	<161	ug/kg	575	161	1	04/27/21 09:00	04/28/21 03:35	74-83-9	
Carbon tetrachloride	<25.3	ug/kg	115	25.3	1	04/27/21 09:00	04/28/21 03:35	56-23-5	
Chlorobenzene	<13.8	ug/kg	115	13.8	1	04/27/21 09:00	04/28/21 03:35	108-90-7	
Chloroethane	<48.5	ug/kg	575	48.5	1	04/27/21 09:00	04/28/21 03:35	75-00-3	
Chloroform	<82.4	ug/kg	575	82.4	1	04/27/21 09:00	04/28/21 03:35	67-66-3	
Chloromethane	<43.7	ug/kg	115	43.7	1	04/27/21 09:00	04/28/21 03:35	74-87-3	
Dibromochloromethane	<393	ug/kg	575	393	1	04/27/21 09:00	04/28/21 03:35	124-48-1	
Dibromomethane	<34.0	ug/kg	115	34.0	1	04/27/21 09:00	04/28/21 03:35	74-95-3	
Dichlorodifluoromethane	<49.5	ug/kg	115	49.5	1	04/27/21 09:00	04/28/21 03:35	75-71-8	
Diisopropyl ether	<28.5	ug/kg	115	28.5	1	04/27/21 09:00	04/28/21 03:35	108-20-3	
Ethylbenzene	<27.4	ug/kg	115	27.4	1	04/27/21 09:00	04/28/21 03:35	100-41-4	
Hexachloro-1,3-butadiene	<229	ug/kg	575	229	1	04/27/21 09:00	04/28/21 03:35	87-68-3	
Isopropylbenzene (Cumene)	<31.1	ug/kg	115	31.1	1	04/27/21 09:00	04/28/21 03:35	98-82-8	
Methyl-tert-butyl ether	<33.8	ug/kg	115	33.8	1	04/27/21 09:00	04/28/21 03:35	1634-04-4	
Methylene Chloride	<32.0	ug/kg	115	32.0	1	04/27/21 09:00	04/28/21 03:35	75-09-2	
Naphthalene	<35.9	ug/kg	575	35.9	1	04/27/21 09:00	04/28/21 03:35	91-20-3	

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### ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-5 (12-13)**      **Lab ID: 40225737004**      Collected: 04/23/21 13:50      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<29.4	ug/kg	115	29.4	1	04/27/21 09:00	04/28/21 03:35	100-42-5	
Tetrachloroethene	<44.6	ug/kg	115	44.6	1	04/27/21 09:00	04/28/21 03:35	127-18-4	
Toluene	<29.0	ug/kg	115	29.0	1	04/27/21 09:00	04/28/21 03:35	108-88-3	
Trichloroethene	<43.0	ug/kg	115	43.0	1	04/27/21 09:00	04/28/21 03:35	79-01-6	
Trichlorofluoromethane	<33.4	ug/kg	115	33.4	1	04/27/21 09:00	04/28/21 03:35	75-69-4	
Vinyl chloride	<23.2	ug/kg	115	23.2	1	04/27/21 09:00	04/28/21 03:35	75-01-4	
Xylene (Total)	<83.1	ug/kg	345	83.1	1	04/27/21 09:00	04/28/21 03:35	1330-20-7	
cis-1,2-Dichloroethene	<24.6	ug/kg	115	24.6	1	04/27/21 09:00	04/28/21 03:35	156-59-2	
cis-1,3-Dichloropropene	<75.9	ug/kg	575	75.9	1	04/27/21 09:00	04/28/21 03:35	10061-01-5	
m&p-Xylene	<48.5	ug/kg	230	48.5	1	04/27/21 09:00	04/28/21 03:35	179601-23-1	
n-Butylbenzene	<52.7	ug/kg	115	52.7	1	04/27/21 09:00	04/28/21 03:35	104-51-8	
n-Propylbenzene	<27.6	ug/kg	115	27.6	1	04/27/21 09:00	04/28/21 03:35	103-65-1	
o-Xylene	<34.5	ug/kg	115	34.5	1	04/27/21 09:00	04/28/21 03:35	95-47-6	
p-Isopropyltoluene	<35.0	ug/kg	115	35.0	1	04/27/21 09:00	04/28/21 03:35	99-87-6	
sec-Butylbenzene	<28.1	ug/kg	115	28.1	1	04/27/21 09:00	04/28/21 03:35	135-98-8	
tert-Butylbenzene	<36.1	ug/kg	115	36.1	1	04/27/21 09:00	04/28/21 03:35	98-06-6	
trans-1,2-Dichloroethene	<24.8	ug/kg	115	24.8	1	04/27/21 09:00	04/28/21 03:35	156-60-5	
trans-1,3-Dichloropropene	<329	ug/kg	575	329	1	04/27/21 09:00	04/28/21 03:35	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	101	%	67-159		1	04/27/21 09:00	04/28/21 03:35	2037-26-5	
4-Bromofluorobenzene (S)	104	%	66-153		1	04/27/21 09:00	04/28/21 03:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	82-158		1	04/27/21 09:00	04/28/21 03:35	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	32.3	%	0.10	0.10	1		04/24/21 13:45		

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### ANALYTICAL RESULTS

Project: 1690020998 MTRC  
Pace Project No.: 40225737

**Sample: SB-6 (1-2)**      **Lab ID: 40225737005**      Collected: 04/23/21 12:30      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<19.2	ug/kg	80.2	19.2	1	04/27/21 09:00	04/28/21 03:55	630-20-6	
1,1,1-Trichloroethane	<20.5	ug/kg	80.2	20.5	1	04/27/21 09:00	04/28/21 03:55	71-55-6	
1,1,2,2-Tetrachloroethane	<29.0	ug/kg	80.2	29.0	1	04/27/21 09:00	04/28/21 03:55	79-34-5	
1,1,2-Trichloroethane	<29.2	ug/kg	80.2	29.2	1	04/27/21 09:00	04/28/21 03:55	79-00-5	
1,1-Dichloroethane	<20.5	ug/kg	80.2	20.5	1	04/27/21 09:00	04/28/21 03:55	75-34-3	
1,1-Dichloroethene	<26.6	ug/kg	80.2	26.6	1	04/27/21 09:00	04/28/21 03:55	75-35-4	
1,1-Dichloropropene	<26.0	ug/kg	80.2	26.0	1	04/27/21 09:00	04/28/21 03:55	563-58-6	
1,2,3-Trichlorobenzene	<89.3	ug/kg	401	89.3	1	04/27/21 09:00	04/28/21 03:55	87-61-6	
1,2,3-Trichloropropane	<39.0	ug/kg	80.2	39.0	1	04/27/21 09:00	04/28/21 03:55	96-18-4	
1,2,4-Trichlorobenzene	<66.1	ug/kg	401	66.1	1	04/27/21 09:00	04/28/21 03:55	120-82-1	
1,2,4-Trimethylbenzene	<23.9	ug/kg	80.2	23.9	1	04/27/21 09:00	04/28/21 03:55	95-63-6	
1,2-Dibromo-3-chloropropane	<62.2	ug/kg	401	62.2	1	04/27/21 09:00	04/28/21 03:55	96-12-8	
1,2-Dibromoethane (EDB)	<22.0	ug/kg	80.2	22.0	1	04/27/21 09:00	04/28/21 03:55	106-93-4	
1,2-Dichlorobenzene	<24.9	ug/kg	80.2	24.9	1	04/27/21 09:00	04/28/21 03:55	95-50-1	
1,2-Dichloroethane	<18.4	ug/kg	80.2	18.4	1	04/27/21 09:00	04/28/21 03:55	107-06-2	
1,2-Dichloropropane	<19.1	ug/kg	80.2	19.1	1	04/27/21 09:00	04/28/21 03:55	78-87-5	
1,3,5-Trimethylbenzene	<25.8	ug/kg	80.2	25.8	1	04/27/21 09:00	04/28/21 03:55	108-67-8	
1,3-Dichlorobenzene	<22.0	ug/kg	80.2	22.0	1	04/27/21 09:00	04/28/21 03:55	541-73-1	
1,3-Dichloropropane	<17.5	ug/kg	80.2	17.5	1	04/27/21 09:00	04/28/21 03:55	142-28-9	
1,4-Dichlorobenzene	<22.0	ug/kg	80.2	22.0	1	04/27/21 09:00	04/28/21 03:55	106-46-7	
2,2-Dichloropropane	<21.6	ug/kg	80.2	21.6	1	04/27/21 09:00	04/28/21 03:55	594-20-7	
2-Chlorotoluene	<26.0	ug/kg	80.2	26.0	1	04/27/21 09:00	04/28/21 03:55	95-49-8	
4-Chlorotoluene	<30.5	ug/kg	80.2	30.5	1	04/27/21 09:00	04/28/21 03:55	106-43-4	
Benzene	<19.1	ug/kg	32.1	19.1	1	04/27/21 09:00	04/28/21 03:55	71-43-2	
Bromobenzene	<31.3	ug/kg	80.2	31.3	1	04/27/21 09:00	04/28/21 03:55	108-86-1	
Bromochloromethane	<22.0	ug/kg	80.2	22.0	1	04/27/21 09:00	04/28/21 03:55	74-97-5	
Bromodichloromethane	<19.1	ug/kg	80.2	19.1	1	04/27/21 09:00	04/28/21 03:55	75-27-4	
Bromoform	<353	ug/kg	401	353	1	04/27/21 09:00	04/28/21 03:55	75-25-2	
Bromomethane	<112	ug/kg	401	112	1	04/27/21 09:00	04/28/21 03:55	74-83-9	
Carbon tetrachloride	<17.6	ug/kg	80.2	17.6	1	04/27/21 09:00	04/28/21 03:55	56-23-5	
Chlorobenzene	<9.6	ug/kg	80.2	9.6	1	04/27/21 09:00	04/28/21 03:55	108-90-7	
Chloroethane	<33.8	ug/kg	401	33.8	1	04/27/21 09:00	04/28/21 03:55	75-00-3	
Chloroform	<57.4	ug/kg	401	57.4	1	04/27/21 09:00	04/28/21 03:55	67-66-3	
Chloromethane	<30.5	ug/kg	80.2	30.5	1	04/27/21 09:00	04/28/21 03:55	74-87-3	
Dibromochloromethane	<274	ug/kg	401	274	1	04/27/21 09:00	04/28/21 03:55	124-48-1	
Dibromomethane	<23.7	ug/kg	80.2	23.7	1	04/27/21 09:00	04/28/21 03:55	74-95-3	
Dichlorodifluoromethane	<34.5	ug/kg	80.2	34.5	1	04/27/21 09:00	04/28/21 03:55	75-71-8	
Diisopropyl ether	<19.9	ug/kg	80.2	19.9	1	04/27/21 09:00	04/28/21 03:55	108-20-3	
Ethylbenzene	<19.1	ug/kg	80.2	19.1	1	04/27/21 09:00	04/28/21 03:55	100-41-4	
Hexachloro-1,3-butadiene	<159	ug/kg	401	159	1	04/27/21 09:00	04/28/21 03:55	87-68-3	
Isopropylbenzene (Cumene)	<21.6	ug/kg	80.2	21.6	1	04/27/21 09:00	04/28/21 03:55	98-82-8	
Methyl-tert-butyl ether	<23.6	ug/kg	80.2	23.6	1	04/27/21 09:00	04/28/21 03:55	1634-04-4	
Methylene Chloride	<22.3	ug/kg	80.2	22.3	1	04/27/21 09:00	04/28/21 03:55	75-09-2	
Naphthalene	<25.0	ug/kg	401	25.0	1	04/27/21 09:00	04/28/21 03:55	91-20-3	

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-6 (1-2)**      **Lab ID: 40225737005**      Collected: 04/23/21 12:30      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<20.5	ug/kg	80.2	20.5	1	04/27/21 09:00	04/28/21 03:55	100-42-5	
Tetrachloroethene	<31.1	ug/kg	80.2	31.1	1	04/27/21 09:00	04/28/21 03:55	127-18-4	
Toluene	<20.2	ug/kg	80.2	20.2	1	04/27/21 09:00	04/28/21 03:55	108-88-3	
Trichloroethene	<30.0	ug/kg	80.2	30.0	1	04/27/21 09:00	04/28/21 03:55	79-01-6	
Trichlorofluoromethane	<23.2	ug/kg	80.2	23.2	1	04/27/21 09:00	04/28/21 03:55	75-69-4	
Vinyl chloride	<16.2	ug/kg	80.2	16.2	1	04/27/21 09:00	04/28/21 03:55	75-01-4	
Xylene (Total)	<57.9	ug/kg	241	57.9	1	04/27/21 09:00	04/28/21 03:55	1330-20-7	
cis-1,2-Dichloroethene	<17.2	ug/kg	80.2	17.2	1	04/27/21 09:00	04/28/21 03:55	156-59-2	
cis-1,3-Dichloropropene	<52.9	ug/kg	401	52.9	1	04/27/21 09:00	04/28/21 03:55	10061-01-5	
m&p-Xylene	<33.8	ug/kg	160	33.8	1	04/27/21 09:00	04/28/21 03:55	179601-23-1	
n-Butylbenzene	<36.7	ug/kg	80.2	36.7	1	04/27/21 09:00	04/28/21 03:55	104-51-8	
n-Propylbenzene	<19.2	ug/kg	80.2	19.2	1	04/27/21 09:00	04/28/21 03:55	103-65-1	
o-Xylene	<24.1	ug/kg	80.2	24.1	1	04/27/21 09:00	04/28/21 03:55	95-47-6	
p-Isopropyltoluene	<24.4	ug/kg	80.2	24.4	1	04/27/21 09:00	04/28/21 03:55	99-87-6	
sec-Butylbenzene	<19.6	ug/kg	80.2	19.6	1	04/27/21 09:00	04/28/21 03:55	135-98-8	
tert-Butylbenzene	<25.2	ug/kg	80.2	25.2	1	04/27/21 09:00	04/28/21 03:55	98-06-6	
trans-1,2-Dichloroethene	<17.3	ug/kg	80.2	17.3	1	04/27/21 09:00	04/28/21 03:55	156-60-5	
trans-1,3-Dichloropropene	<229	ug/kg	401	229	1	04/27/21 09:00	04/28/21 03:55	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	107	%	67-159		1	04/27/21 09:00	04/28/21 03:55	2037-26-5	
4-Bromofluorobenzene (S)	101	%	66-153		1	04/27/21 09:00	04/28/21 03:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	82-158		1	04/27/21 09:00	04/28/21 03:55	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	21.2	%	0.10	0.10	1		04/24/21 13:45		

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### ANALYTICAL RESULTS

Project: 1690020998 MTRC

Pace Project No.: 40225737

**Sample: SB-6 (4-5)**      **Lab ID: 40225737006**      Collected: 04/23/21 12:35      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<19.2	ug/kg	79.8	19.2	1	04/27/21 09:00	04/28/21 04:15	630-20-6	
1,1,1-Trichloroethane	<20.4	ug/kg	79.8	20.4	1	04/27/21 09:00	04/28/21 04:15	71-55-6	
1,1,2,2-Tetrachloroethane	<28.9	ug/kg	79.8	28.9	1	04/27/21 09:00	04/28/21 04:15	79-34-5	
1,1,2-Trichloroethane	<29.0	ug/kg	79.8	29.0	1	04/27/21 09:00	04/28/21 04:15	79-00-5	
1,1-Dichloroethane	<20.4	ug/kg	79.8	20.4	1	04/27/21 09:00	04/28/21 04:15	75-34-3	
1,1-Dichloroethene	<26.5	ug/kg	79.8	26.5	1	04/27/21 09:00	04/28/21 04:15	75-35-4	
1,1-Dichloropropene	<25.9	ug/kg	79.8	25.9	1	04/27/21 09:00	04/28/21 04:15	563-58-6	
1,2,3-Trichlorobenzene	<88.9	ug/kg	399	88.9	1	04/27/21 09:00	04/28/21 04:15	87-61-6	
1,2,3-Trichloropropane	<38.8	ug/kg	79.8	38.8	1	04/27/21 09:00	04/28/21 04:15	96-18-4	
1,2,4-Trichlorobenzene	<65.8	ug/kg	399	65.8	1	04/27/21 09:00	04/28/21 04:15	120-82-1	
1,2,4-Trimethylbenzene	<23.8	ug/kg	79.8	23.8	1	04/27/21 09:00	04/28/21 04:15	95-63-6	
1,2-Dibromo-3-chloropropane	<61.9	ug/kg	399	61.9	1	04/27/21 09:00	04/28/21 04:15	96-12-8	
1,2-Dibromoethane (EDB)	<21.9	ug/kg	79.8	21.9	1	04/27/21 09:00	04/28/21 04:15	106-93-4	
1,2-Dichlorobenzene	<24.7	ug/kg	79.8	24.7	1	04/27/21 09:00	04/28/21 04:15	95-50-1	
1,2-Dichloroethane	<18.4	ug/kg	79.8	18.4	1	04/27/21 09:00	04/28/21 04:15	107-06-2	
1,2-Dichloropropane	<19.0	ug/kg	79.8	19.0	1	04/27/21 09:00	04/28/21 04:15	78-87-5	
1,3,5-Trimethylbenzene	<25.7	ug/kg	79.8	25.7	1	04/27/21 09:00	04/28/21 04:15	108-67-8	
1,3-Dichlorobenzene	<21.9	ug/kg	79.8	21.9	1	04/27/21 09:00	04/28/21 04:15	541-73-1	
1,3-Dichloropropane	<17.4	ug/kg	79.8	17.4	1	04/27/21 09:00	04/28/21 04:15	142-28-9	
1,4-Dichlorobenzene	<21.9	ug/kg	79.8	21.9	1	04/27/21 09:00	04/28/21 04:15	106-46-7	
2,2-Dichloropropane	<21.5	ug/kg	79.8	21.5	1	04/27/21 09:00	04/28/21 04:15	594-20-7	
2-Chlorotoluene	<25.9	ug/kg	79.8	25.9	1	04/27/21 09:00	04/28/21 04:15	95-49-8	
4-Chlorotoluene	<30.3	ug/kg	79.8	30.3	1	04/27/21 09:00	04/28/21 04:15	106-43-4	
Benzene	<19.0	ug/kg	31.9	19.0	1	04/27/21 09:00	04/28/21 04:15	71-43-2	
Bromobenzene	<31.1	ug/kg	79.8	31.1	1	04/27/21 09:00	04/28/21 04:15	108-86-1	
Bromochloromethane	<21.9	ug/kg	79.8	21.9	1	04/27/21 09:00	04/28/21 04:15	74-97-5	
Bromodichloromethane	<19.0	ug/kg	79.8	19.0	1	04/27/21 09:00	04/28/21 04:15	75-27-4	
Bromoform	<351	ug/kg	399	351	1	04/27/21 09:00	04/28/21 04:15	75-25-2	
Bromomethane	<112	ug/kg	399	112	1	04/27/21 09:00	04/28/21 04:15	74-83-9	
Carbon tetrachloride	<17.6	ug/kg	79.8	17.6	1	04/27/21 09:00	04/28/21 04:15	56-23-5	
Chlorobenzene	<9.6	ug/kg	79.8	9.6	1	04/27/21 09:00	04/28/21 04:15	108-90-7	
Chloroethane	<33.7	ug/kg	399	33.7	1	04/27/21 09:00	04/28/21 04:15	75-00-3	
Chloroform	<57.1	ug/kg	399	57.1	1	04/27/21 09:00	04/28/21 04:15	67-66-3	
Chloromethane	<30.3	ug/kg	79.8	30.3	1	04/27/21 09:00	04/28/21 04:15	74-87-3	
Dibromochloromethane	<273	ug/kg	399	273	1	04/27/21 09:00	04/28/21 04:15	124-48-1	
Dibromomethane	<23.6	ug/kg	79.8	23.6	1	04/27/21 09:00	04/28/21 04:15	74-95-3	
Dichlorodifluoromethane	<34.3	ug/kg	79.8	34.3	1	04/27/21 09:00	04/28/21 04:15	75-71-8	
Diisopropyl ether	<19.8	ug/kg	79.8	19.8	1	04/27/21 09:00	04/28/21 04:15	108-20-3	
Ethylbenzene	<19.0	ug/kg	79.8	19.0	1	04/27/21 09:00	04/28/21 04:15	100-41-4	
Hexachloro-1,3-butadiene	<159	ug/kg	399	159	1	04/27/21 09:00	04/28/21 04:15	87-68-3	
Isopropylbenzene (Cumene)	<21.5	ug/kg	79.8	21.5	1	04/27/21 09:00	04/28/21 04:15	98-82-8	
Methyl-tert-butyl ether	<23.5	ug/kg	79.8	23.5	1	04/27/21 09:00	04/28/21 04:15	1634-04-4	
Methylene Chloride	<22.2	ug/kg	79.8	22.2	1	04/27/21 09:00	04/28/21 04:15	75-09-2	
Naphthalene	<24.9	ug/kg	399	24.9	1	04/27/21 09:00	04/28/21 04:15	91-20-3	

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## ANALYTICAL RESULTS

Project: 1690020998 MTRC  
Pace Project No.: 40225737

**Sample: SB-6 (4-5)**      **Lab ID: 40225737006**      Collected: 04/23/21 12:35      Received: 04/24/21 09:05      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
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<20.4	ug/kg	79.8	20.4	1	04/27/21 09:00	04/28/21 04:15	100-42-5	
Tetrachloroethene	<31.0	ug/kg	79.8	31.0	1	04/27/21 09:00	04/28/21 04:15	127-18-4	
Toluene	<20.1	ug/kg	79.8	20.1	1	04/27/21 09:00	04/28/21 04:15	108-88-3	
Trichloroethene	<29.8	ug/kg	79.8	29.8	1	04/27/21 09:00	04/28/21 04:15	79-01-6	
Trichlorofluoromethane	<23.1	ug/kg	79.8	23.1	1	04/27/21 09:00	04/28/21 04:15	75-69-4	
Vinyl chloride	<16.1	ug/kg	79.8	16.1	1	04/27/21 09:00	04/28/21 04:15	75-01-4	
Xylene (Total)	<57.6	ug/kg	239	57.6	1	04/27/21 09:00	04/28/21 04:15	1330-20-7	
cis-1,2-Dichloroethene	<17.1	ug/kg	79.8	17.1	1	04/27/21 09:00	04/28/21 04:15	156-59-2	
cis-1,3-Dichloropropene	<52.7	ug/kg	399	52.7	1	04/27/21 09:00	04/28/21 04:15	10061-01-5	
m&p-Xylene	<33.7	ug/kg	160	33.7	1	04/27/21 09:00	04/28/21 04:15	179601-23-1	
n-Butylbenzene	<36.5	ug/kg	79.8	36.5	1	04/27/21 09:00	04/28/21 04:15	104-51-8	
n-Propylbenzene	<19.2	ug/kg	79.8	19.2	1	04/27/21 09:00	04/28/21 04:15	103-65-1	
o-Xylene	<23.9	ug/kg	79.8	23.9	1	04/27/21 09:00	04/28/21 04:15	95-47-6	
p-Isopropyltoluene	<24.3	ug/kg	79.8	24.3	1	04/27/21 09:00	04/28/21 04:15	99-87-6	
sec-Butylbenzene	<19.5	ug/kg	79.8	19.5	1	04/27/21 09:00	04/28/21 04:15	135-98-8	
tert-Butylbenzene	<25.1	ug/kg	79.8	25.1	1	04/27/21 09:00	04/28/21 04:15	98-06-6	
trans-1,2-Dichloroethene	<17.2	ug/kg	79.8	17.2	1	04/27/21 09:00	04/28/21 04:15	156-60-5	
trans-1,3-Dichloropropene	<228	ug/kg	399	228	1	04/27/21 09:00	04/28/21 04:15	10061-02-6	
<b>Surrogates</b>									
Toluene-d8 (S)	106	%	67-159		1	04/27/21 09:00	04/28/21 04:15	2037-26-5	
4-Bromofluorobenzene (S)	82	%	66-153		1	04/27/21 09:00	04/28/21 04:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	92	%	82-158		1	04/27/21 09:00	04/28/21 04:15	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.0	%	0.10	0.10	1		04/24/21 13:45		

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### QUALITY CONTROL DATA

Project: 1690020998 MTRC  
Pace Project No.: 40225737

QC Batch: 383575 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40225737001, 40225737002, 40225737003, 40225737004, 40225737005, 40225737006

METHOD BLANK: 2212754 Matrix: Solid  
Associated Lab Samples: 40225737001, 40225737002, 40225737003, 40225737004, 40225737005, 40225737006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	04/27/21 18:10	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	04/27/21 18:10	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	04/27/21 18:10	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	04/27/21 18:10	
1,1-Dichloroethane	ug/kg	<12.8	50.0	04/27/21 18:10	
1,1-Dichloroethene	ug/kg	<16.6	50.0	04/27/21 18:10	
1,1-Dichloropropene	ug/kg	<16.2	50.0	04/27/21 18:10	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	04/27/21 18:10	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	04/27/21 18:10	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	04/27/21 18:10	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	04/27/21 18:10	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	04/27/21 18:10	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	04/27/21 18:10	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	04/27/21 18:10	
1,2-Dichloroethane	ug/kg	<11.5	50.0	04/27/21 18:10	
1,2-Dichloropropane	ug/kg	<11.9	50.0	04/27/21 18:10	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	04/27/21 18:10	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	04/27/21 18:10	
1,3-Dichloropropane	ug/kg	<10.9	50.0	04/27/21 18:10	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	04/27/21 18:10	
2,2-Dichloropropane	ug/kg	<13.5	50.0	04/27/21 18:10	
2-Chlorotoluene	ug/kg	<16.2	50.0	04/27/21 18:10	
4-Chlorotoluene	ug/kg	<19.0	50.0	04/27/21 18:10	
Benzene	ug/kg	<11.9	20.0	04/27/21 18:10	
Bromobenzene	ug/kg	<19.5	50.0	04/27/21 18:10	
Bromochloromethane	ug/kg	<13.7	50.0	04/27/21 18:10	
Bromodichloromethane	ug/kg	<11.9	50.0	04/27/21 18:10	
Bromoform	ug/kg	<220	250	04/27/21 18:10	
Bromomethane	ug/kg	<70.1	250	04/27/21 18:10	
Carbon tetrachloride	ug/kg	<11.0	50.0	04/27/21 18:10	
Chlorobenzene	ug/kg	<6.0	50.0	04/27/21 18:10	
Chloroethane	ug/kg	<21.1	250	04/27/21 18:10	
Chloroform	ug/kg	<35.8	250	04/27/21 18:10	
Chloromethane	ug/kg	<19.0	50.0	04/27/21 18:10	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	04/27/21 18:10	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	04/27/21 18:10	
Dibromochloromethane	ug/kg	<171	250	04/27/21 18:10	
Dibromomethane	ug/kg	<14.8	50.0	04/27/21 18:10	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	04/27/21 18:10	
Diisopropyl ether	ug/kg	<12.4	50.0	04/27/21 18:10	

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.

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### QUALITY CONTROL DATA

Project: 1690020998 MTRC  
Pace Project No.: 40225737

METHOD BLANK: 2212754 Matrix: Solid  
Associated Lab Samples: 40225737001, 40225737002, 40225737003, 40225737004, 40225737005, 40225737006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	04/27/21 18:10	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	04/27/21 18:10	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	04/27/21 18:10	
m&p-Xylene	ug/kg	<21.1	100	04/27/21 18:10	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	04/27/21 18:10	
Methylene Chloride	ug/kg	<13.9	50.0	04/27/21 18:10	
n-Butylbenzene	ug/kg	<22.9	50.0	04/27/21 18:10	
n-Propylbenzene	ug/kg	<12.0	50.0	04/27/21 18:10	
Naphthalene	ug/kg	<15.6	250	04/27/21 18:10	
o-Xylene	ug/kg	<15.0	50.0	04/27/21 18:10	
p-Isopropyltoluene	ug/kg	<15.2	50.0	04/27/21 18:10	
sec-Butylbenzene	ug/kg	<12.2	50.0	04/27/21 18:10	
Styrene	ug/kg	<12.8	50.0	04/27/21 18:10	
tert-Butylbenzene	ug/kg	<15.7	50.0	04/27/21 18:10	
Tetrachloroethene	ug/kg	<19.4	50.0	04/27/21 18:10	
Toluene	ug/kg	<12.6	50.0	04/27/21 18:10	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	04/27/21 18:10	
trans-1,3-Dichloropropene	ug/kg	<143	250	04/27/21 18:10	
Trichloroethene	ug/kg	<18.7	50.0	04/27/21 18:10	
Trichlorofluoromethane	ug/kg	<14.5	50.0	04/27/21 18:10	
Vinyl chloride	ug/kg	<10.1	50.0	04/27/21 18:10	
Xylene (Total)	ug/kg	<36.1	150	04/27/21 18:10	
1,2-Dichlorobenzene-d4 (S)	%	100	82-158	04/27/21 18:10	
4-Bromofluorobenzene (S)	%	93	66-153	04/27/21 18:10	
Toluene-d8 (S)	%	99	67-159	04/27/21 18:10	

LABORATORY CONTROL SAMPLE: 2212755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2390	95	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2450	98	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2290	92	70-130	
1,1-Dichloroethane	ug/kg	2500	2430	97	70-130	
1,1-Dichloroethene	ug/kg	2500	2150	86	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2870	115	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2560	102	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2320	93	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,2-Dichloroethane	ug/kg	2500	2500	100	70-130	
1,2-Dichloropropane	ug/kg	2500	2260	90	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2350	94	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2330	93	70-130	
Benzene	ug/kg	2500	2110	84	70-130	
Bromodichloromethane	ug/kg	2500	2200	88	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 MTRC  
Pace Project No.: 40225737

LABORATORY CONTROL SAMPLE: 2212755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	3070	123	66-130	
Bromomethane	ug/kg	2500	1410	56	13-153	
Carbon tetrachloride	ug/kg	2500	2300	92	73-134	
Chlorobenzene	ug/kg	2500	2250	90	70-130	
Chloroethane	ug/kg	2500	1500	60	19-170	
Chloroform	ug/kg	2500	2320	93	79-120	
Chloromethane	ug/kg	2500	2100	84	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	2170	87	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2150	86	68-130	
Dibromochloromethane	ug/kg	2500	2260	90	70-130	
Dichlorodifluoromethane	ug/kg	2500	2610	104	15-135	
Ethylbenzene	ug/kg	2500	2250	90	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2020	81	70-130	
m&p-Xylene	ug/kg	5000	3910	78	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2240	90	65-130	
Methylene Chloride	ug/kg	2500	2180	87	70-130	
o-Xylene	ug/kg	2500	2040	82	70-130	
Styrene	ug/kg	2500	2180	87	70-130	
Tetrachloroethene	ug/kg	2500	2240	89	70-130	
Toluene	ug/kg	2500	2230	89	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2340	94	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2410	96	70-130	
Trichloroethene	ug/kg	2500	2180	87	70-130	
Trichlorofluoromethane	ug/kg	2500	1950	78	49-153	
Vinyl chloride	ug/kg	2500	2020	81	58-121	
Xylene (Total)	ug/kg	7500	5950	79	70-130	
1,2-Dichlorobenzene-d4 (S)	%			105	82-158	
4-Bromofluorobenzene (S)	%			96	66-153	
Toluene-d8 (S)	%			95	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2212756 2212757

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40225755010 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/kg	<19.3	1510	1510	1570	1630	104	108	70-130	4	20		
1,1,2,2-Tetrachloroethane	ug/kg	<27.3	1510	1510	1470	1630	98	108	65-129	10	20		
1,1,2-Trichloroethane	ug/kg	<27.5	1510	1510	1570	1640	104	109	70-130	4	20		
1,1-Dichloroethane	ug/kg	<19.3	1510	1510	1670	1710	111	113	70-130	2	20		
1,1-Dichloroethene	ug/kg	<25.1	1510	1510	1310	1380	87	91	64-120	5	20		
1,2,4-Trichlorobenzene	ug/kg	<62.2	1510	1510	2110	2110	140	140	64-130	0	20	M1	
1,2-Dibromo-3-chloropropane	ug/kg	<58.6	1510	1510	1640	1790	108	119	57-130	9	21		
1,2-Dibromoethane (EDB)	ug/kg	<20.7	1510	1510	1480	1590	98	105	70-130	7	20		
1,2-Dichlorobenzene	ug/kg	<23.4	1510	1510	1720	1740	114	115	70-130	1	20		
1,2-Dichloroethane	ug/kg	<17.4	1510	1510	1670	1730	111	115	70-130	3	20		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 MTRC

Pace Project No.: 40225737

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2212756 2212757												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40225755010 Result	Spike Conc.	Spike Conc.	MS Result							
1,2-Dichloropropane	ug/kg	<18.0	1510	1510	1460	1520	97	101	72-122	4	20	
1,3-Dichlorobenzene	ug/kg	<20.7	1510	1510	1650	1630	110	108	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<20.7	1510	1510	1640	1600	109	106	70-130	3	20	
Benzene	ug/kg	<18.0	1510	1510	1450	1460	96	97	70-130	1	20	
Bromodichloromethane	ug/kg	<18.0	1510	1510	1460	1490	97	99	70-130	2	20	
Bromoform	ug/kg	<332	1510	1510	1950	1980	129	131	66-130	2	20	M1
Bromomethane	ug/kg	<106	1510	1510	862	859	57	57	13-153	0	20	
Carbon tetrachloride	ug/kg	<16.6	1510	1510	1550	1560	103	104	67-134	1	20	
Chlorobenzene	ug/kg	<9.0	1510	1510	1530	1540	102	102	70-130	0	20	
Chloroethane	ug/kg	<31.8	1510	1510	1010	1000	67	66	11-195	1	20	
Chloroform	ug/kg	<54.0	1510	1510	1580	1630	105	108	79-120	3	20	
Chloromethane	ug/kg	<28.7	1510	1510	1220	1190	81	79	30-136	3	20	
cis-1,2-Dichloroethene	ug/kg	<16.1	1510	1510	1550	1510	103	100	70-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<49.8	1510	1510	1430	1460	95	97	68-130	2	20	
Dibromochloromethane	ug/kg	<258	1510	1510	1450	1370	96	91	70-130	5	20	
Dichlorodifluoromethane	ug/kg	<32.4	1510	1510	1130	1190	75	79	10-158	5	25	
Ethylbenzene	ug/kg	<18.0	1510	1510	1540	1570	102	104	78-120	3	20	
Isopropylbenzene (Cumene)	ug/kg	<20.4	1510	1510	1480	1480	98	98	70-130	0	20	
m&p-Xylene	ug/kg	<31.8	3020	3020	2750	2730	91	91	70-130	0	20	
Methyl-tert-butyl ether	ug/kg	<22.2	1510	1510	1520	1640	101	109	65-130	7	20	
Methylene Chloride	ug/kg	<21.0	1510	1510	1480	1450	98	96	70-130	2	20	
o-Xylene	ug/kg	<22.6	1510	1510	1370	1300	90	86	70-130	5	20	
Styrene	ug/kg	<19.3	1510	1510	1470	1470	98	98	70-130	0	20	
Tetrachloroethene	ug/kg	<29.3	1510	1510	1460	1460	97	97	70-130	0	20	
Toluene	ug/kg	<19.0	1510	1510	1460	1550	97	103	76-120	6	20	
trans-1,2-Dichloroethene	ug/kg	<16.3	1510	1510	1620	1640	107	108	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<216	1510	1510	1540	1650	102	110	70-130	7	20	
Trichloroethene	ug/kg	<28.2	1510	1510	1470	1530	97	101	70-130	4	20	
Trichlorofluoromethane	ug/kg	<21.9	1510	1510	1240	1210	82	80	42-159	2	21	
Vinyl chloride	ug/kg	<15.2	1510	1510	1210	1220	80	81	43-137	1	20	
Xylene (Total)	ug/kg	<54.5	4530	4530	4110	4030	91	89	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						144	140	82-158			
4-Bromofluorobenzene (S)	%						129	134	66-153			
Toluene-d8 (S)	%						135	136	67-159			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 1690020998 MTRC

Pace Project No.: 40225737

QC Batch: 383362

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: 40225737001, 40225737002, 40225737003, 40225737004, 40225737005, 40225737006

SAMPLE DUPLICATE: 2211847

Parameter	Units	40225730001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.5	5.4	2	10	

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## QUALIFIERS

Project: 1690020998 MTRC

Pace Project No.: 40225737

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### 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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690020998 MTRC

Pace Project No.: 40225737

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40225737001	SB-4 (1-2)	EPA 5035/5030B	383575	EPA 8260	383579
40225737002	SB-4 (17-18)	EPA 5035/5030B	383575	EPA 8260	383579
40225737003	SB-5 (1-2)	EPA 5035/5030B	383575	EPA 8260	383579
40225737004	SB-5 (12-13)	EPA 5035/5030B	383575	EPA 8260	383579
40225737005	SB-6 (1-2)	EPA 5035/5030B	383575	EPA 8260	383579
40225737006	SB-6 (4-5)	EPA 5035/5030B	383575	EPA 8260	383579
40225737001	SB-4 (1-2)	ASTM D2974-87	383362		
40225737002	SB-4 (17-18)	ASTM D2974-87	383362		
40225737003	SB-5 (1-2)	ASTM D2974-87	383362		
40225737004	SB-5 (12-13)	ASTM D2974-87	383362		
40225737005	SB-6 (1-2)	ASTM D2974-87	383362		
40225737006	SB-6 (4-5)	ASTM D2974-87	383362		

### REPORT OF LABORATORY ANALYSIS

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40225737

Addresses

Order By :	Ship To :	Return To:
Company <u>Ramboll Environ - Wauwatosa</u>	Company <u>Ramboll Environ - Wauwatosa</u>	Company <u>Pace Analytical Green Bay</u>
Contact <u>Glasford, Duncan</u>	Contact <u>Glasford, Duncan</u>	Contact <u>Mleczo, Steven</u>
Email <u>dglasford@ramboll.com</u>	Email <u>dglasford@ramboll.com</u>	Email <u>steve.mleczo@pacelabs.com</u>
Address <u>234 W. Florida Street</u>	Address <u>234 W. Florida Street</u>	Address <u>1241 Bellevue Street</u>
Address 2 <u>Fifth Floor</u>	Address 2 <u>Fifth Floor</u>	Address 2 <u>Suite 9</u>
City <u>Milwaukee</u>	City <u>Milwaukee</u>	City <u>Green Bay</u>
State <u>WI</u> Zip <u>53204</u>	State <u>WI</u> Zip <u>53204</u>	State <u>WI</u> Zip <u>54302</u>
Phone <u>2629010130</u>	Phone <u>2629010130</u>	Phone <u>(920)469-2436</u>

Info

Project Name Dodgeville NAPA Store Due Date 03/11/2021 Profile 1 Quote \_\_\_\_\_  
 Project Manager Mleczo, Steven Return Date \_\_\_\_\_ Carrier Most Economical Location WI

Trip Blanks

Include Trip Blanks

Bottle Labels

- Blank
- Pre-Printed No Sample IDs
- Pre-Printed With Sample IDs

Bottles

- Boxed Cases
- Individually Wrapped
- Grouped By Sample ID/Matrix

Return Shipping Labels

- No Shipper
- With Shipper

Misc

- Sampling Instructions
- Custody Seal
- Temp. Blanks
- Coolers 1
- Syringes
- Extra Bubble Wrap
- Short Hold/Rush Stickers
- DI Water                      Liter(s)
- USDA Regulated Soils

COC Options

- Number of Blanks 1
- Pre-Printed

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
7	SL	VOC 8260 Med Level Methanol	40mL vial, 10mL MeOH Tared Wt	7	0	B-0-242-01VB	
1	SL	MEOH Trip Blanks	40mL vial, 10mL MeOH w/custody seal	1	0	B-0-242-01VB	
7	SL	10g Sampling Tool	Plastic 10 gram cut off syringe	7	0	NA	
7	SL	dry weight	4oz poly cup	7	0	200512	

**Hazard Shipping Placard In Place : NA**

'Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.  
 'Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.  
 'Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.  
 'Payment term are net 30 days.  
 'Please include the proposal number on the chain of custody to insure proper billing.

LAB USE:

Ship Date : 03/10/2021  
 Prepared By: Mai Yer Her  
 Verified By: \_\_\_\_\_

Sample

\_\_\_\_\_

CLIENT USE (Optional):

Date Rec'd: \_\_\_\_\_  
 Received By: \_\_\_\_\_  
 Verified By: \_\_\_\_\_

# Sample Preservation Receipt Form

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

Client Name: Ramboll

Project # 40225737

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):


Pace Lab #	Glass							Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN				
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

4/24/21

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

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



 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26Mar2020
	Document No.: <b>ENV-FRM-GBAY-0014-Rev.00</b>	Author: Pace Green Bay Quality Office

**Sample Condition Upon Receipt Form (SCUR)**

Project #: \_\_\_\_\_

Client Name: Ramboll

**WO# : 40225737**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: 2045 042321

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 - 90 Type of Ice:  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.0 Corr: .5

Person examining contents:	
Date: <u>4/24/21</u>	Initials: <u>[Signature]</u>
Labeled By Initials: <u>[Signature]</u>	

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.

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>mail</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 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>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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