

June 5, 2024
File No. 25211374.54

Ms. Cindy Koepke, PG, Hydrogeologist
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources - South Central Region
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: 2024 Site Investigation Update
Laundry Land Cleaners (former), Northgate Shopping Center
1131 N. Sherman Avenue, Madison, Wisconsin
WDNR BRRS #02-13-552183

Dear Ms. Koepke:

On behalf of Northgate Partnership, SCS Engineers (SCS) is providing the following update for the Dry Cleaner Environmental Response Fund (DERF) project at the Laundry Land Cleaners site (**Figure 1**). The following work was performed:

- Collected groundwater samples for volatile organic compound (VOC) analysis from select Laundry Land wells.

The results of the groundwater sampling show decreased or stable concentrations of contaminants of concern at the downgradient extent of the groundwater plume.

Following are details of the sampling activities, findings, and recommendations for proceeding with the project.

1.0 GROUNDWATER MONITORING

On April 30, 2024, SCS sampled groundwater at monitoring wells MW6, MW6R, MW12R, MW13, and MW16 (**Figure 1**). Groundwater analytical data are summarized in **Table 1**. The laboratory analytical report is included in **Attachment A**.

Purged groundwater was contained and taken to the Madison Metropolitan Sewerage District (MMSD) for disposal. Groundwater disposal documentation is provided in **Attachment B**.

1.1 GROUNDWATER QUALITY

MW6, MW6R, MW12R, and MW13 were selected for sampling in April 2024 because these wells are located at the downgradient edge of the VOC plume. These results are consistent with the overall trend of groundwater quality following the treatment of groundwater with whey injection conducted in 2009 to 2015.

Groundwater analytical data indicate consistent overall decreases in tetrachloroethene (PCE) concentrations within the groundwater plume along with degradation of PCE into



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cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE), and vinyl chloride daughter products. Whey injections began in December 2009, with the last full round of whey injections being completed in April 2015. Since 2015 VOC concentrations in groundwater have been fairly stable or decreasing with some minor fluctuation (**Table 1.**).

MW6R - The PCE concentration at MW6R was greater than the NR 140 preventive action limit (PAL) in 2020, and was greater than the NR 140 enforcement standard (ES) in 2021. In June 2023 and April 2024 the PCE concentration at MW6R had decreased to slightly over the PAL.

MW6 - The PCE concentration at MW6 has also decreased in recent sampling rounds. In 2010 the PCE concentration was over the PAL. The well was lost and not sampled again until 2020. In 2020 the PCE concentration at MW6 exceeded the ES, with the highest concentration detected to date at MW6. From 2020 to 2024, the PCE concentration decreased from 38.5 micrograms per liter (ug/L) to 6.6 ug/L.

Wells MW6 and MW6R are located about 15 feet apart, and again in April 2024 showed very localized variability within the groundwater plume.

MW12/MW12R - The PCE concentration at MW12/MW12R has been fairly stable since 2009, with concentrations varying between slightly over the ES at a maximum of 6.3 ug/L in 2021, to a low of 2.93 ug/L in 2010, which is very close to the current concentration of 4.6 ug/L.

MW13 - The PCE concentrations at MW13 varied from 7.7 ug/L in 2015 to a high of 21.5 ug/L in 2020, but in 2021 decreased to 13.8 ug/L, and in 2023 further decreased to 6.0 ug/L. In April 2024 the PCE concentration was less than the ES.

MW16 - This well is located in the central part of the Northgate property near the location of the abandoned well MW-8. In 2008 the PCE concentration at MW8 was 1,000 ug/L and in 2011 was 674 ug/L. MW16 was installed in 2021 to provide groundwater quality data in the area of abandoned well MW8. In April 2024, the PCE concentration at MW16 was 563 ug/L. The presence of cis-1,2-DCE, trans-1,2-dichloroethene, TCE, and vinyl chloride indicates that degradation of PCE is occurring in this area of the site.

2.0 RECOMMENDATIONS

SCS recommends submittal of a case closure request with continuing obligations related to residual soil and groundwater contamination and vapor mitigation.

Please contact Betty at 608.212.6664 or bsocha@scsengineers.com if you have comments or questions regarding this report.

Sincerely,



Betty J. Socha, PhD, PG
Senior Project Manager
SCS Engineers



Robert E. Langdon
Project Manager
SCS Engineers

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BJS/REL/AJR

cc: Paul Roth, Northgate Partnership
Nic Alexander, The Alexander Company (via e-mail)
Rebecca Schultz, The Alexander Company (via e-mail)

Attachments: Table 1 – Groundwater Analytical Results Summary – Chlorinated VOCs

Figure 1 – Site Map with All Wells

Attachment A – Laboratory Analytical Report

Attachment B – Waste Disposal Documentation

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Table 1

Groundwater Analytical Results Summary – Chlorinated VOCs

Table 1. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
MW-1	8/21/2008	--	1.5	<0.50	<u>33</u>	<u>1.1</u>	<0.15	--
	10/1/2008	--	1.2	<0.50	<u>28</u>	<u>0.96</u>	<0.15	ND
	11/2/2009	--	3.62	<0.50	<u>24.2</u>	<u>0.99</u> J	<0.20	ND
	11/3/2010	(4)	3.37	<0.50	<u>27.4</u>	<u>2.61</u>	<0.20	ND
	12/27/2011	--	1.95	<0.50	<u>30</u>	<u>1.75</u>	<0.20	ND
	4/29/2015	(8)	2.9	<0.26	<u>9.4</u>	<u>0.58</u> J1	<0.18	Chloromethane 1.2
	4/25/2016	(9)	<u>8.7</u>	0.37 J1	<u>9.0</u>	<u>0.70</u> J1	<0.18	ND
	7/18/2019	(13)	0.75 J1	<1.1	<u>6.7</u>	<0.26	<0.17	ND
	1/7/2020	--	0.45 J1	<1.1	<u>8.0</u>	<0.26	<0.17	ND
	4/27/2021	--	<0.47	<0.53	<u>5.8</u>	<0.32	<0.17	ND
PZ-1	8/21/2008	--	2.5	<0.50	<u>2.0</u>	0.32	<u>1.0</u>	--
	10/1/2008	--	2.7	<0.50	<u>1.3</u>	0.40	<u>1.2</u>	ND
	11/2/2009	--	2.36	<0.50	0.37 J	<0.40	<u>0.57</u> J	ND
	11/3/2010	(4)	4.96	<0.50	<u>0.94</u> J	<u>0.62</u> J	<u>1.07</u>	ND
	12/28/2011	--	2.87	<0.50	<u>10</u>	<u>0.99</u> J	<0.20	ND
	4/29/2015	--	5.1	<0.26	<u>5.4</u>	<u>0.84</u> J1	<u>0.44</u> J1	ND
	4/25/2016	(10)	1.3	<0.26	<u>3.4</u>	0.41 J1	<0.18	ND
	12/20/2017	--	4.0	0.33 J1	<u>3.5</u>	0.48 J1	<u>1.3</u>	ND
	7/18/2019	(14)	4.0	<1.1	<u>1.1</u> J1	<0.26	<u>0.56</u> J1	ND
	1/7/2020	--	5.5	<1.1	<u>1.2</u>	0.31 J1	<u>0.55</u> J1	ND
	4/27/2021	--	3.8	<0.53	<u>1.3</u>	<0.32	<u>0.81</u> J1	ND
MW-2	8/21/2008	--	<u>190</u>	3.3	<u>940</u>	<u>66</u>	<0.15	Methylene Chloride <u>73</u>
	10/1/2008	--	<u>160</u>	<25	<u>920</u>	<u>56</u>	<7.5	--
	11/2/2009	--	<u>35.7</u> J	<25	<u>630</u>	<20	<10	ND
	11/3/2010	(4)	<u>39.5</u> J	<25	<u>542</u>	<20	<10	ND
	12/27/2011	--	<u>38.3</u> J	<25	<u>319</u>	<20	<10	ND
	9/10/2013	(7)	<u>92</u>	2.7	<u>500</u>	<u>41</u>	<u>0.25</u> *	ND
	4/29/2015	(8)	<u>34.1</u>	<2.6	<u>414</u>	<u>14.3</u>	<u>3.7</u> J1	ND
	4/25/2016	(10)	<u>69.0</u>	<1.0	<u>298</u>	<u>16.8</u>	<u>17.1</u>	ND
	12/19/2017	--	<u>29.2</u>	<1.0	<u>477</u>	<u>20.8</u>	<u>8.0</u>	ND
	7/18/2019	(13)	<u>26.0</u>	<4.4	<u>375</u>	<u>15.1</u>	<u>7.7</u>	ND
	1/7/2020	--	<u>33.4</u>	<1.1	<u>412</u>	<u>25</u>	<u>13.6</u>	1,1-Dichloroethene 0.31 J1
	4/28/2021	--	<u>25.0</u>	<2.1	<u>382</u>	<u>24.8</u>	<u>1.7</u> J1	ND
PZ-2	8/21/2008	--	2.5	<0.50	<u>5.9</u>	<u>0.58</u>	<0.15	--
	10/1/2008	--	4.0	<0.50	<u>22</u>	<u>1.0</u>	<0.15	ND
	11/2/2009	--	1.5	<0.50	<u>0.79</u> J	<0.40	<0.20	Chloromethane 0.90 J
	11/3/2010	(4)	2.05	<0.50	<u>24.4</u>	<u>1.80</u>	<0.20	ND
	12/27/2011	--	<u>23.2</u>	<2.50	<u>296</u>	<u>11.2</u>	<1.00	ND
	9/10/2013	(7)	<u>49</u>	0.92 *	<u>61</u>	<u>8.3</u>	<u>5.9</u>	ND
	4/29/2015	--	<u>74.2</u>	1.5	<u>41.8</u>	<u>11.4</u>	<u>63.0</u>	ND
	4/25/2016	(10)	<u>61.6</u>	0.87 J1	<u>1.3</u>	<u>11.2</u>	<u>39.8</u>	ND
	12/19/2017	--	<u>97.5</u>	2.4	<u>70.8</u>	<u>19.1</u>	<u>55.4</u>	1,1-Dichloroethene <u>1.3</u>

Table 1. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
PZ-2 (cont.)	7/18/2019	(13)	<u>67.1</u>	2.0 J1	<u>79.3</u>	<u>48.1</u>	<u>52.2</u>	Chloroethane 3.5 J1 1,1-Dichloroethene <u>2.0</u>
	7/18/2019 (DUP)	--	<u>67.7</u>	1.8 J1	<u>84.2</u>	<u>49.7</u>	<u>56.1</u>	Chloroethane 3.5 J1 1,1-Dichloroethene <u>2.4</u>
	1/7/2020	--	<u>65.4</u>	1.7 J1	<u>101</u>	<u>66.9</u>	<u>51.7</u>	Chloroethane 3.6 J1 1,1-Dichloroethene <u>2.1</u>
	4/28/2021	--	<u>59.8</u>	1.6	<u>67</u>	<u>87.9</u>	<u>69.7</u>	1,1-Dichloroethene <u>4.2</u>
MW-3	8/21/2008	--	<u>41</u>	2.0	<u>1,800</u>	<u>37</u>	<0.15	--
	10/1/2008	--	<u>89</u>	<25	<u>1,700</u>	<u>39</u>	<7.5	Methylene Chloride <u>72</u>
	11/2/2009	--	<u>88.3</u> J	<50	<u>1,360</u>	<u>57.6</u> J	<20	ND
	11/4/2010	(4)	<40	<50	<u>1,420</u>	<u>44.5</u> J	<20	ND
	12/27/2011	--	<40	<50	<u>895</u>	<40	<20	ND
	9/10/2013	(7)	4.6	0.44 *	<u>1,400</u>	<u>13</u>	<0.18	ND
	4/30/2015	(8)	<u>20.0</u>	<1.3	<u>515</u>	<u>12.7</u>	<0.88	ND
	4/26/2016	--	<u>52.0</u>	<1.3	<u>535</u>	<u>12.5</u>	<0.88	ND
	12/19/2017	--	<u>57.2</u>	<1.3	<u>555</u>	<u>30.3</u>	<u>5.3</u>	ND
	7/19/2019	--	<u>27.2</u>	<5.5	<u>422</u>	<u>19.0</u>	<0.87	ND
	1/7/2020	--	<u>49.5</u>	<1.1	<u>532</u>	<u>37.1</u>	<u>1.3</u>	1,1-Dichloroethene 0.48 J1
4/27/2021	--	<u>10.1</u>	<2.6	<u>405</u>	<u>16.0</u>	<0.87	ND	
PZ-3	8/21/2008	--	<u>9.2</u>	<0.5	<u>300</u>	<u>4.2</u>	<0.15	--
	10/1/2008	--	<u>9.1</u>	<5.0	<u>230</u>	<u>4.7</u>	<1.5	Methylene Chloride <u>15</u>
	11/2/2009	--	<u>23.4</u> J	<25	<u>344</u>	<20	<10	ND
	11/4/2010	(4)	<20	<25	<u>152</u>	<20	<10	ND
	12/27/2011	--	<u>11.2</u> J	<10	<u>178</u>	<8.00	<4.00	ND
	9/10/2013	(7)	<u>17</u>	<0.30	<u>48</u>	<u>3.4</u>	<u>2.6</u>	ND
	4/30/2015	(8)	<u>60.3</u>	0.95 J1	<u>123</u>	<u>7.5</u>	<u>45.7</u>	ND
	4/26/2016	--	<u>51.4</u>	1.1	<u>93.9</u>	<u>10.5</u>	<u>39.4</u>	1,1-Dichloroethene 0.58 J1 Chloroethane 0.91 J1
	12/19/2017	--	<u>52.3</u>	1.3	<u>256</u>	<u>35.9</u>	<u>37.3</u>	Chloroethane 2.4 1,1-Dichloroethene <u>3.1</u>
	7/19/2019	--	<u>37.2</u>	<2.2	<u>204</u>	<u>27.6</u>	<u>25.9</u>	1,1-Dichloroethene <u>2.2</u>
	1/7/2020	--	<u>37.7</u>	<1.1	<u>239</u>	<u>31.9</u>	<u>22.5</u>	1,1-Dichloroethene <u>2</u>
4/27/2021	--	<u>33.7</u>	<1.1	<u>223</u>	<u>39.9</u>	<u>11.5</u>	1,1-Dichloroethene <u>3.0</u>	
MW-4	8/21/2008	--	<u>2,300</u>	<u>35</u>	<u>4,900</u>	<u>200</u>	<7.5	--
	10/1/2008	--	<u>2,300</u>	<100	<u>4,600</u>	<u>200</u>	<30	Methylene Chloride <u>270</u>
	11/2/2009	(1)	<u>1,520</u>	<50	<u>3,170</u>	<u>144</u>	<20	ND
	11/2/2010	(4)	<u>4,200</u>	<u>52.4</u> J	<u>399</u>	<u>168</u>	<20	ND
	12/28/2011	--	<u>250</u>	<50	<30	<40	<u>1,330</u>	ND
	9/10/2013	(7)	<u>380</u>	14	<u>860</u>	<u>560</u>	<u>610</u>	1,1,2-Trichloroethane <u>0.60</u> * 1,1-Dichloroethene <u>46</u> 1,2-Dichlorobenzene 5.4 1,4-Dichlorobenzene 1.1 Tetrahydrofuran <u>10</u> *

Table 1. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
MW-4 (cont.)	4/29/2015	(8)	<u>37.2</u>	11.4	<u>15.3</u>	<u>2.7</u>	<u>135</u>	1,2-Dichlorobenzene 1.0 J1 Chloroethane 3.1
	4/26/2016	--	5.7	5.1	<1.2	<0.83	<u>340</u>	1,2-Dichlorobenzene 1.8 J1 Chloroethane 4.6
	12/20/2017	--	<u>11.5</u>	4.1	<u>1.0</u>	<u>1.1</u>	<u>85</u>	Chloroethane 3.1 1,2-Dichlorobenzene 2.7 1,4-Dichlorobenzene 0.60 J1
	7/17/2019	--	<u>128</u>	7.4	<u>13.3</u>	<u>64.9</u>	<u>126</u>	Chloroethane 7.6 1,2-Dichlorobenzene 2.5 1,1-Dichloroethene <u>4.9</u>
	1/7/2020	--	<u>139</u>	6.1	<u>120</u>	<u>123</u>	<u>137</u>	Chloroethane <u>5.0</u> 1,2-Dichlorobenzene <u>2.9</u> 1,1-Dichloroethene <u>6.9</u>
	1/7/2020 (Dup)	--	<u>146</u>	7.8	<u>64.1</u>	<u>83.3</u>	<u>180</u>	Chloroethane 5.2 1,2-Dichlorobenzene <u>2.8</u> 1,1-Dichloroethene <u>6.9</u>
	4/27/2021	--	<u>50.0</u>	2.6	<u>5.2</u>	<u>11.4</u>	<u>224</u>	Chloroethane 13.6 1,2-Dichlorobenzene 2.3 1,1-Dichloroethene <u>2.5</u>
PZ-4	8/21/2008	--	6.0	<0.5	<u>12</u>	<u>1.1</u>	<0.15	--
	10/1/2008	--	5.3	0.99	<u>13</u>	<u>1.5</u>	<0.15	ND
	11/2/2009	--	2.46	<0.50	<u>4.11</u>	<u>0.94</u> J	<0.20	Chloromethane 0.72 J
	11/2/2010	(4)	<u>11.4</u>	<0.50	<u>3.78</u>	<u>1.01</u> J	<0.20	Chloromethane 0.81 J
	12/28/2011	--	6.27	<0.50	<u>4.22</u>	<u>0.69</u> J	<0.20	ND
	9/10/2013	(7)	<u>8.6</u>	0.30 *	<u>110</u>	<u>6.0</u>	<u>2.4</u>	1,1-Dichloroethene 0.26 *
	4/29/2015	--	<u>7.7</u>	0.47 J1	<u>1.2</u>	<u>1.1</u>	<u>3.8</u>	ND
	4/26/2016	(12)	2.1	<0.26	<0.50	<u>0.57</u> J1	<u>0.27</u> J1	ND
	4/26/2016 (DUP)	--	2.0	<0.26	<0.50	0.38 J1	<0.18 J1	ND
	12/20/2017	--	<u>40.1</u>	0.98 J1	<u>5.5</u>	<u>7.30</u>	<u>15.9</u>	ND
	7/17/2019	(13)	<u>24.4</u>	<1.1	<u>3.1</u>	<u>5.7</u>	<u>18.5</u>	1,1-Dichloroethene <u>0.87</u> J1
	1/7/2020	--	<u>27.2</u>	<1.1	<u>3.9</u>	<u>12.2</u>	<u>16.5</u>	1,1-Dichloroethene <u>1.2</u>
4/27/2021	--	<u>22.5</u>	0.53 J1	<u>2.1</u>	<u>7.9</u>	<u>20.4</u>	1,1-Dichloroethene <u>1.4</u>	
MW-5	8/21/2008	--	<u>13</u>	<5.0	<u>190</u>	<u>11</u>	<1.5	--
	10/1/2008	--	5.9	<1.0	<u>110</u>	<u>7.1</u>	<0.3	Methylene Chloride <u>2.4</u>
	10/30/2009	--	<u>22.1</u>	<5.0	<u>186</u>	<u>18.7</u>	<2.0	ND
	11/2/2010	(4)	<u>7.26</u> J	<5.00	<u>175</u>	<u>11.1</u> J	<2.00	ND
	12/27/2011	--	<u>7.17</u> J	<5.00	<u>149</u>	<u>9.82</u> J	<2.00	ND
	4/30/2015	(8)	3.9	<0.26	<u>64.6</u>	<u>3.6</u>	<0.18	ND
	4/25/2016	(10)	2.6	<0.26	<u>84.4</u>	<u>4.5</u>	<0.18	ND
	4/25/2016 (DUP)	(10)	2.0	<0.26	<u>87.5</u>	<u>4.4</u>	<0.18	ND
	7/18/2019	--	1.4	<1.1	<u>79.8</u>	<u>3.3</u>	<0.17	ND
	1/8/2020	--	0.68 J1	<1.1	<u>77.6</u>	<u>2.5</u>	<0.17	ND
	4/27/2021	--	2.10	<0.53	<u>40.8</u>	<u>2.8</u>	<0.17	ND

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Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
PZ-5	8/21/2008	--	1.1	<0.5	<u>2.4</u>	0.27	<0.15	--
	10/1/2008	--	2.1	<0.5	<u>1.6</u>	<u>0.72</u>	<0.15	ND
	10/30/2009	--	1.6	<0.50	<u>0.98</u> J	<u>0.53</u>	<0.20	ND
	11/3/2010	(4)	1.37	<0.50	0.31 J	<0.40	<0.20	Chloromethane 0.41 J
	12/27/2011	--	2.60	<0.50	<0.30	0.41 J	<u>0.27</u> J	Dichlorodifluoromethane 0.41 J
	4/30/2015	--	2.1	<0.26	<u>1.3</u>	<u>0.98</u> J1	<u>0.28</u> J1	Dichlorodifluoromethane 0.27 J1
	4/26/2016	(10)	3.8	<0.26	<u>1.9</u>	<u>0.74</u> J1	<u>0.91</u> J1	ND
	12/20/2017	--	<u>7.7</u>	0.32 J1	<u>2.5</u>	<u>0.83</u> J1	<u>0.63</u> J1	ND
	7/18/2019	--	5.8	<1.1	<u>2.1</u>	<u>0.72</u> J1	<u>0.53</u> J1	ND
	1/8/2020	--	5.1	<1.1	<u>3.0</u>	<u>1.1</u>	<u>0.43</u> J1	ND
4/27/2021	--	4.0	<0.53	<u>2.3</u>	<u>0.74</u> J1	<0.17	ND	
MW-6**	10/1/2008	--	<0.40	<0.50	<u>1.8</u>	<0.15	<0.15	ND
	10/31/2008	--	<0.40	<0.50	<u>1.4</u>	<0.15	<0.15	ND
	10/30/2009	--	<0.40	<0.50	<u>2.53</u>	<0.40	<0.20	ND
	11/3/2010	(4)	<0.40 J	<0.50	<u>3.88</u>	<0.40	<0.20	Chloromethane 0.62 J
	1/8/2020	--	4.3	<1.1	<u>38.5</u>	<u>7.5</u>	<0.17	ND
	4/27/2021	--	<0.47	<0.53	<u>24.6</u>	<u>2.7</u>	<0.17	ND
	6/26/2023	--	<0.47	<0.53	<u>8.4</u>	<u>0.61</u> J1	<0.17	Chloromethane <u>13.5</u>
	4/29/2024	--	<0.47	<0.53	<u>6.6</u>	<0.32	<0.17	ND
MW-6R	1/8/2020	--	3.9	<1.1	<u>3.2</u>	<u>2.0</u>	<u>4.4</u>	ND
	4/27/2021	--	<0.47	<0.53	<u>12.7</u>	<0.32	<0.17	ND
	4/27/2021 (DUP)	--	<0.47	<0.53	<u>16.4</u>	<0.32	<0.17	ND
	6/26/2023	--	<0.47	<0.53	<u>0.90</u> J1	<0.32	<0.17	ND
	4/29/2024	--	<0.47	<0.53	<u>0.93</u> J1	<0.32	<0.17	ND
MW-7	10/1/2008	--	1.1	<0.50	<u>570</u>	<u>9.8</u>	<0.15	Chloromethane 0.54
	10/31/2008	--	<8.0	<10	<u>570</u>	<u>9.5</u>	<0.3	Methylene Chloride <u>17</u>
	11/2/2009	--	<20	<25	<u>688</u>	<20	<10	ND
	11/3/2010	(4)	<20	<25	<u>641</u>	<20	<10	ND
	12/27/2011	--	<20	<25	<u>537</u>	<20	<10	ND
	4/30/2015	(8)	<2.6	<2.6	<u>481</u>	<u>9.2</u> J1	<1.8	ND
	4/26/2016	(10)	<1.3	<1.3	<u>400</u>	<u>6.8</u>	<0.88	ND
	12/20/2017	--	1.3 J1	<1.3	<u>606</u>	<u>18.4</u>	<0.88	ND
	7/19/2019	--	1.5 J1	<5.5	<u>249</u>	<u>8.7</u>	<0.87	ND
	1/8/2020	--	0.5 J1	<1.1	<u>270</u>	<u>9.7</u>	<0.17	ND
4/27/2021	--	<0.94	<1.1	<u>160</u>	<u>5.5</u>	<0.35	ND	
PZ-7	10/1/2008	--	1.3	<0.50	<u>100</u>	<u>2.6</u>	<0.15	ND
	10/31/2008	--	2.1	<0.50	<u>85</u>	<u>2.7</u>	<0.15	Chlormethane 0.40 1,2-Dichloroethane <u>0.51</u> 1,1,2,2-Tetrachloroethane <u>85</u> 1,1,2-Trichloroethane <u>1.2</u>
	11/2/2009	--	<4.0	<5.0	<u>164</u>	<4.0	<2.0	ND
	11/3/2010	(6)	4.34 J	<5.00	<u>185</u>	<u>5.40</u> J	<2.00	ND
	12/27/2011	--	<4.00	<5.00	<u>160</u>	<4.00	<2.00	ND
	4/30/2015	--	<u>15.4</u>	<0.26	<u>105</u>	<u>5.5</u>	<0.18	1,2-Dichloroethane 0.27 J1
	4/26/2016	--	6.2	<0.26	<u>86.3</u>	<u>4.1</u>	<0.18	ND

Table 1. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
PZ-7 (cont.)	12/20/2017	--	<u>11.3</u>	0.48 J1	<u>84.2</u>	<u>15.8</u>	<u>2.3</u>	ND
	7/19/2019	--	4.5	<1.1	<u>69.3</u>	<u>13.9</u>	<u>0.39</u> J1	ND
	1/8/2020	--	4.2	<1.1	<u>76.9</u>	<u>18.8</u>	<u>0.44</u> J1	ND
	4/27/2021	--	3.5	<0.53	<u>63.9</u>	<u>15.6</u>	<u>0.39</u> J1	ND
	4/27/2021 (DUP)	--	4.0	<0.53	<u>69.0</u>	<u>16.6</u>	<u>0.63</u> J1	ND
MW-8 Abandoned	10/1/2008	--	<u>97</u>	1.2	<u>1,000</u>	<u>49</u>	<u>1.5</u>	ND
	10/31/2008	--	<u>110</u>	<25	<u>890</u>	<u>59</u>	<7.5	Methylene Chloride <u>34</u>
	11/2/2009	--	<u>74.7</u> J	<50	<u>854</u>	<u>57.8</u> J	<20	ND
	11/4/2010	(4)	<u>71</u> J	<50	<u>765</u>	<u>55.8</u> J	<20	ND
	12/27/2011	(5)	<u>53.1</u> J	<50 DUP	<u>674</u>	<40 S2L	<20	sec-Butylbenzene 33.6 J
MW-8R	5/1/2015	(8)	<u>0.26</u> J1	<0.26	<u>29.3</u>	<u>0.67</u> J1	<0.18	ND
	4/25/2016	(10)	<u>9.3</u>	0.82 J1	<u>27.7</u>	<u>2.7</u>	<u>4.8</u>	ND
	12/19/2017	--	<u>0.34</u> J1	<0.26	<u>26.0</u>	<u>0.57</u> J1	<0.18	ND
	7/17/2019	(13)	<u>0.37</u> J1	<1.1	<u>17.9</u>	<u>1.2</u>	<0.17	ND
	1/7/2020	--	<u>0.31</u> J1	<1.1	<u>53.1</u>	<u>2.1</u>	<0.17	ND
	4/27/2021	--	<u>0.67</u> J1	<0.53	<u>54.8</u>	<u>2.4</u>	<0.17	ND
MW-9 Abandoned	10/31/2008	--	1.8	<0.5	<u>140</u>	<u>3.9</u>	<0.15	ND
PZ-9	11/2/2009	--	<40	<50	<u>374</u>	<40	<20	ND
	11/4/2010	(4)	<40	<50	<u>256</u>	<40	<20	ND
	12/27/2011	(6)	<4.00	<5.00	<u>327</u>	<u>13.6</u>	<2.00	ND
	4/29/2015	(8)	<0.64	<0.64	<u>156</u>	<u>10.7</u>	<0.44	ND
	4/25/2016	(10)	<0.26	<0.26	<u>116</u>	<u>1.0</u>	<0.18	Trichlorofluoromethane 0.19 J1
	12/20/2017	--	<u>0.31</u> J1	<0.26	<u>142</u>	<u>8.2</u>	<0.18	ND
	7/19/2019	--	<0.27	<1.1	<u>83.9</u>	<u>3.6</u>	<0.17	ND
	1/7/2020	--	<u>0.46</u> J1	<1.1	<u>85.5</u>	<u>5.8</u>	<0.17	ND
4/28/2021	--	<0.47	<0.53	<u>58.4</u>	<u>1.4</u>	<0.17	ND	
PZ-9A	1/8/2013	--	<0.12	<0.25	<u>180</u>	<u>2.0</u>	<0.10	ND
	4/29/2015	--	<0.26	<0.26	<u>125</u>	<u>1.8</u>	<0.18	Trichlorofluoromethane 0.28 J1
	4/25/2016	(10)	<0.26	<0.26	<u>81.9</u>	<u>0.63</u> J1	<0.18	Trichlorofluoromethane 0.46 J1
	12/20/2017	--	<0.26	<0.26	<u>22.7</u>	0.35 J1	<0.18	1,2-Dichloroethane <u>0.51</u> J1 Trichlorofluoromethane 0.44 J1
	7/19/2019	--	<0.27	<1.1	<u>111</u>	<u>1.30</u>	<0.17	ND
	1/7/2020	--	<0.27	<1.1	<u>135</u>	<u>1.20</u>	<0.17	Trichlorofluoromethane 0.23 J1
	4/28/2021	--	<0.47	<0.53	<u>151</u>	<u>1.9</u>	<0.17	ND
MW-10	10/31/2008	--	<2.0	<0.50	<u>0.59</u>	<0.15	<0.15	Chloroethane 0.77 Chloromethane 2.0
	10/30/2009	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	11/2/2010	(3)(4)	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	12/27/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	4/30/2015	--	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/25/2016	(10)	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/27/2021	--	<0.47	<0.53	<0.41	<0.32	<0.17	Chloroform <u>5.7</u>

Table 1. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
MW-11	10/30/2009	--	<4.0	<5.0	<u>78.4</u>	<u>32.3</u>	<2.0	ND
	11/3/2010	(4)	<4.00	<5.00	<u>61</u>	<u>16.5</u>	<2.00	ND
	12/27/2011	(6)	<2.00	<2.50	<u>84.4</u>	<u>29.4</u>	<1.00	ND
	4/30/2015	--	0.63 J1	<0.26	<u>61.2</u>	<u>14.1</u>	<0.18	ND
	4/25/2016	(10)	0.32 J1	<0.26	<u>49.0</u>	<u>11.7</u>	<0.18	ND
	12/20/2017	--	<0.26	<0.26	<u>46.3</u>	<u>8.6</u>	<0.18	ND
	12/20/2017 (DUP)	--	<0.26	<0.26	<u>42.9</u>	<u>7.9</u>	<0.18	ND
	7/18/2019	--	<0.27	<1.1	<u>32.5</u>	<u>4.3</u>	<0.17	ND
	1/7/2020	--	<0.27	<1.1	<u>28.0</u>	<u>3.1</u>	<0.17	ND
4/27/2021	--	<0.47	<0.53	<u>25.4</u>	<u>2.9</u>	<0.17	ND	
PZ-11	10/30/2009	--	<u>11.8</u> J	<5.0	<u>82.8</u>	<u>55.2</u>	<2.0	ND
	11/3/2010	(4)	<4.00	<5.00	<u>44.3</u>	<u>26.8</u>	<2.00	ND
	12/27/2011	(6)	<u>5.47</u> J	<2.50	<u>60.5</u>	<u>36.1</u>	<1.00	ND
	4/30/2015	--	<u>0.82</u> J1	<0.26	<u>42.6</u>	<u>12.5</u>	<0.18	ND
	4/25/2016	(10)	<u>0.58</u> J1	<0.26	<u>30.5</u>	<u>9.4</u>	<0.18	ND
	12/20/2017	--	<u>0.28</u> J1	<0.26	<u>24.0</u>	<u>4.5</u>	<0.18	ND
	7/18/2019	--	<0.27	<1.1	<u>19.4</u>	<u>2.9</u>	<0.17	ND
	1/7/2020	--	<u>3.2</u>	<1.1	<u>27.6</u>	<u>3.9</u>	<u>2.2</u>	ND
	4/27/2021	--	<0.47	<0.53	<u>10.2</u>	<u>1.1</u>	<0.17	ND
MW-12 Abandoned	10/30/2009	--	<0.40	<0.50	<u>4.1</u>	<0.40	<0.20	ND
	11/2/2010	(4)	<0.40	<0.50	<u>2.93</u>	<0.40	<0.20	Chloromethane 0.43 J
	12/27/2011	--	<0.40	<0.50	<u>3.56</u>	<0.40	<0.20	ND
	5/1/2015	--	<0.26	<0.26	<u>6.1</u>	<0.33	<0.18	ND
	4/25/2016	(10)	<0.26	<0.26	<u>5.7</u>	<0.33	<0.18	ND
MW-12R	4/27/2021	--	<0.47	<0.53	<u>6.3</u>	<0.32	<0.17	ND
	6/26/2023	--	<0.47	<0.53	<u>3.8</u>	<0.32	<0.17	ND
	4/29/2024	--	<0.47	<0.53	<u>4.6</u>	<0.32	<0.17	ND
MW-13	5/1/2015	(8)	<0.26	<0.26	<u>7.7</u>	0.44 J1	<0.18	ND
	4/25/2016	(11)	<0.26	<0.26	<u>12.3</u>	<u>0.97</u> J1	<0.18	ND
	12/20/2017	(8)	<0.26	<0.26	<u>13.1</u>	<u>2.0</u>	<0.18	ND
	7/17/2019	--	<0.27	<1.1	<u>17.9</u>	<u>4.3</u>	<0.17	ND
	1/8/2020	--	<0.27	<1.1	<u>21.5</u>	<u>4.8</u>	<0.17	ND
	4/27/2021	(8)	<0.47	<0.53	<u>13.8</u>	<u>1.4</u>	<0.17	ND
	6/26/2023	--	<0.47	<0.53	<u>6.0</u>	<0.32	<0.17	ND
	4/29/2024	--	<0.47	<0.53	<u>4.0</u>	<0.32	<0.17	ND
MW-14	5/1/2015	--	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/25/2016	(10)	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	12/19/2017	--	<0.26	<0.26	<u>2.0</u>	<0.33	<0.18	ND
	4/27/2021	--	<0.47	<0.53	<0.41	<0.32	<0.17	ND
MW-15	5/1/2015	(8)	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/26/2016	(10)	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	12/19/2017	(8)	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/27/2021	--	<0.47	<0.53	<0.41	<0.32	<0.17	ND
MW-16	4/28/2021	--	<u>168</u>	3.2	<u>359</u>	<u>77.7</u>	<u>1.0</u> J1	ND
	4/29/2024	--	<u>47</u>	2.4 J1	<u>563</u>	<u>61.8</u>	<u>1.3</u> J1	Chloroform 1.5 J1

Table 1. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50
 (Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	PCE	TCE	Vinyl Chloride	Other Chlorinated VOCs
Field Blank	4/29/2015	--	<0.26	<0.26	<0.50	<0.33	<0.18	ND
Trip Blank	10/1/2008	--	<0.40	<0.50	<0.40	<0.15	<0.15	Methylene Chloride <u>0.56</u>
	10/30/2008	--	<0.40	<0.50	<0.40	<0.15	<0.15	ND
	10/30/2009	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	11/2/2009	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	11/2/2010	(4)	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	12/28/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	9/10/2013	(7)	<0.30	<0.30	<0.29	<0.50	<0.18	ND
	4/30/2015	--	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/26/2016	(10)	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	12/20/2017	--	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	7/19/2019	--	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	1/8/2020	--	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/28/2021	--	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	6/26/2023	--	<0.47	<0.53	<0.41	<0.32	<0.17	ND
4/29/2024	--	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
Trip Blank 2	12/28/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
Trip Blank 3	12/28/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
Trip Blank 4	12/28/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
Trip Blank 5	12/28/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
Trip Blank 6	12/28/2011	--	<0.40	<0.50	<0.30	<0.40	<0.20	ND
NR 140 Enforcement Standards (ES)			70	100	20	0.5	2	Chloroethane 400 Chloromethane 30 Chloroform 6 Dichlorodifluoromethane 1000 1,2-Dichlorobenzene 600 1,4-Dichlorobenzene 75 1,1-Dichloroethene 7 1,2-Dichloroethane 5 Fluorotrichloromethane (Trichlorofluoromethane) 3490 Methylene Chloride 5 1,1,2,2-Tetrachloroethane 0.2 1,1,2-Trichloroethane 5 Tetrahydrofuran 50
NR 140 Preventive Action Limits (PAL)			7	20	2	0.05	0.02	Chloroethane 80 Chloromethane 3 Chloroform 0.6 Dichlorodifluoromethane 200 1,2-Dichlorobenzene 60 1,4-Dichlorobenzene 15 1,1-Dichloroethene 0.7 1,2-Dichloroethane 0.5 Fluorotrichloromethane (Trichlorofluoromethane) 698 Methylene Chloride 0.5 1,1,2,2-Tetrachloroethane 0.02 1,1,2-Trichloroethane 0.5 Tetrahydrofuran 10

Abbreviations:

NE = No Standard Established
 ND = Not Detected
 -- = Not Applicable

MTBE = Methyl-tert-butyl ether
 TCE = trichloroethene
 PCE = tetrachloroethene

VOCs = Volatile Organic Compounds
 TMBs = 1,2,4- and 1,3,5-trimethylbenzenes
 µg/L = micrograms per liter or parts per billion (ppb)

**Table 2. Groundwater Analytical Results Summary - Chlorinated VOCs
Laundry Land Cleaners / SCS Engineers Project #25211374.50**

Notes:

NR 140 ES - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

NR 140 PAL - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

Bold+underlined values meet or exceed NR 140 enforcement standards.

Italic+underlined values meet or exceed NR 140 preventive action limits.

** = Well MW-6 was reported as abandoned in 2010, but the well was buried. Well was found in 2020 and data was collected.

Laboratory Notes:

* = Indicates value in between the limit of detection and the limit of the quantitation.

DUP = Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.

J = Estimated concentration below laboratory quantitation level.

J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).

Q = Laboratory control sample outside acceptance limits.

S1H = First sample matrix spike recovery was high.

S2H = Second sample matrix spike recovery was high.

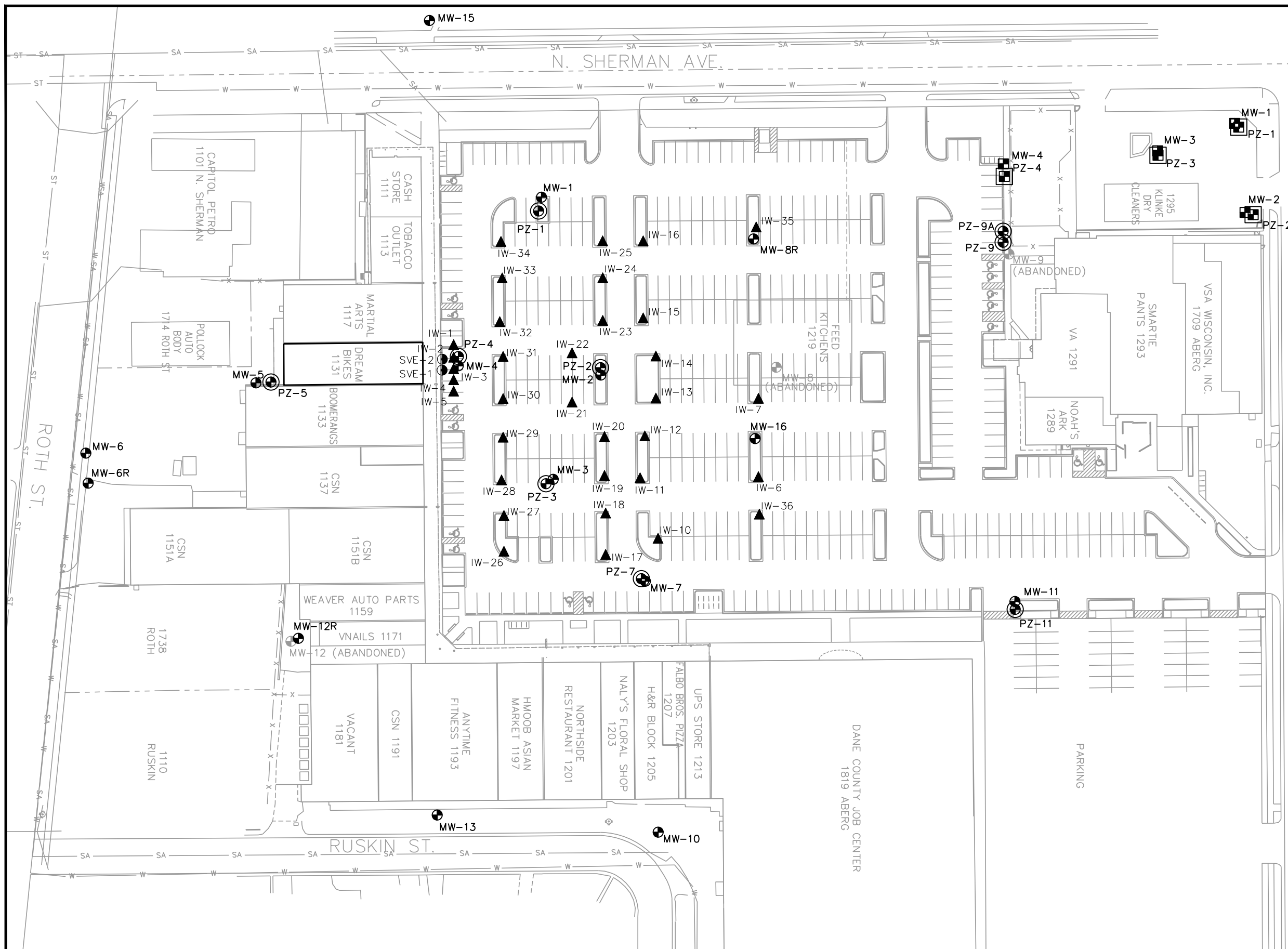
S2L = Second sample matrix spike recovery was low.

- (1) Chloromethane - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (2) 1,2,4-Trichlorobenzene - Check standard for this analyte exhibited a low bias. Sample results may also be biased low. Chloromethane - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
- (3) Naphthalene - Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
- (4) 1,1,1-Trichloroethane, Dichlorodifluoromethane - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
- (5) 1,1-Dichloroethylene, 2,2-Dichloropropane, Methylene Chloride - Result of duplicate analysis in this quality assurance batch exceeds the limits for precision. 4-Isopropyltoluene - First sample matrix spike recovery was high.
- (6) Methylene Chloride - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
- (7) 1,2-Dibromo-3-chloropropane, Bromoform - Specified calibration criteria was not met.
- (8) Surrogate = Post-analysis pH measurement indicates insufficient VOA sample preservation.
- (9) Methyl-tert-butyl ether, Methylene Chloride, Vinyl Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethene, and Chloroethane = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. 1,1-Dichloroethane = Analyte recovery in the laboratory control sample exceeded QC limits. Analyte presence below reporting limits in associated sample. Results unaffected by high bias. Matrix Spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- (10) 1,1-Dichloroethane = Analyte recovery in the laboratory control sample exceeded QC limits. Analyte presence below reporting limits in associated sample. Results unaffected by high bias.
- (11) 1,1-Dichloroethane = Analyte recovery in the laboratory control sample exceeded QC limits. Analyte presence below reporting limits in associated sample. Results unaffected by high bias.
- Surrogates - 4-Bromofluorobenzene (S) = Post-analysis pH measurements indicates insufficient VOA sample preservation
- (12) Styrene = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- (13) 4-Bromofluorobenzene (S) = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- (14) Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Created by:	<u>TLR</u>	Date:	<u>11/20/2009</u>
Last revision by:	<u>AJR</u>	Date:	<u>5/7/2024</u>
Checked by:	<u>BJS</u>	Date:	<u>6/1/2024</u>
Proj Mgr QA/QC:	<u>BJS</u>	Date:	<u>6/1/2024</u>

I:\3745\2024 Workslope\2024 GW Update\[1_GW Results_VOCs_2024.xls]Laboratory Notes and QC

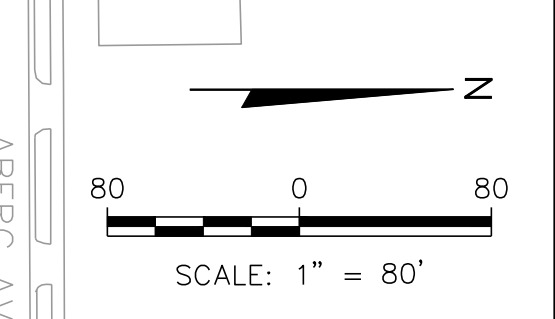
Figure 1
Site Map with All Wells



LEGEND

- APPROXIMATE PROPERTY LINE
- SA SANITARY SEWER
- ST STORM SEWER
- W WATER PIPE
- ▲ INJECTION WELL
- MONITORING WELL
- ⊕ PIEZOMETER
- ⊙ SOIL VAPOR EXTRACTION WELL
- KLINKE MONITORING WELL
- ⊞ KLINKE PIEZOMETER
- 1291 STREET ADDRESS
- FORMER LAUNDRY LAND DRY CLEANERS 1131 N. SHERMAN AVENUE

- NOTE:**
- UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR LOCATING PURPOSES. LOCATIONS BASED ON UTILITY MAP PROVIDED BY CITY OF MADISON GIS/MAPPING.
 - BUSINESS OCCUPANTS ARE CURRENT AS OF MARCH 29, 2018



PROJECT NO. 25211374.51	DRAWN BY: BSS	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT NORTHGATE PARTNERSHIP 7625 BONETTI ROAD DANE, WI 53529	SITE NORTHGATE SHOPPING CENTER 1127 NORTH SHERMAN AVE. MADISON, WI	FIGURE 1
DRAWN: 06/11/2021	CHECKED BY: BJS				
REVISED: 06/11/2021	APPROVED BY: BJS, 9/12/23				

Attachment A
Laboratory Analytical Report



May 06, 2024

Betty Socha
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25211374.54 NORTHGATE
Pace Project No.: 40277539

Dear Betty Socha:

Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2024. 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Adam Watson, SCS ENGINEERS



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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SAMPLE SUMMARY

Project: 25211374.54 NORTHGATE
Pace Project No.: 40277539

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40277539001	MW-6	Water	04/29/24 10:15	04/30/24 09:00
40277539002	MW-6R	Water	04/29/24 09:50	04/30/24 09:00
40277539003	MW-12R	Water	04/29/24 08:45	04/30/24 09:00
40277539004	MW-13	Water	04/29/24 09:05	04/30/24 09:00
40277539005	MW-16	Water	04/29/24 12:05	04/30/24 09:00
40277539006	TRIP BLANK	Water	04/29/24 00:00	04/30/24 09:00

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SAMPLE ANALYTE COUNT

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40277539001	MW-6	EPA 8260	CXJ	64	PASI-G
40277539002	MW-6R	EPA 8260	CXJ	64	PASI-G
40277539003	MW-12R	EPA 8260	CXJ	64	PASI-G
40277539004	MW-13	EPA 8260	CXJ	64	PASI-G
40277539005	MW-16	EPA 8260	CXJ	64	PASI-G
40277539006	TRIP BLANK	EPA 8260	CXJ	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40277539001	MW-6					
EPA 8260	Tetrachloroethene	6.6	ug/L	1.0	05/02/24 13:47	
40277539002	MW-6R					
EPA 8260	Tetrachloroethene	0.93J	ug/L	1.0	05/02/24 14:05	
40277539003	MW-12R					
EPA 8260	Tetrachloroethene	4.6	ug/L	1.0	05/02/24 14:22	
40277539004	MW-13					
EPA 8260	Tetrachloroethene	4.0	ug/L	1.0	05/02/24 14:40	
40277539005	MW-16					
EPA 8260	Chloroform	1.5J	ug/L	12.5	05/02/24 17:21	
EPA 8260	cis-1,2-Dichloroethene	47.0	ug/L	2.5	05/02/24 17:21	
EPA 8260	trans-1,2-Dichloroethene	2.4J	ug/L	2.5	05/02/24 17:21	
EPA 8260	Tetrachloroethene	563	ug/L	2.5	05/02/24 17:21	
EPA 8260	Trichloroethene	61.8	ug/L	2.5	05/02/24 17:21	
EPA 8260	Vinyl chloride	1.3J	ug/L	2.5	05/02/24 17:21	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-6 Lab ID: 40277539001 Collected: 04/29/24 10:15 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/02/24 13:47	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 13:47	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		05/02/24 13:47	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		05/02/24 13:47	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		05/02/24 13:47	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/02/24 13:47	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 13:47	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/02/24 13:47	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/02/24 13:47	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/02/24 13:47	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 13:47	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		05/02/24 13:47	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		05/02/24 13:47	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/02/24 13:47	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 13:47	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 13:47	106-43-4	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		05/02/24 13:47	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/02/24 13:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/02/24 13:47	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/02/24 13:47	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 13:47	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 13:47	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/02/24 13:47	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/02/24 13:47	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 13:47	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/02/24 13:47	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/02/24 13:47	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/02/24 13:47	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/02/24 13:47	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/02/24 13:47	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/02/24 13:47	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		05/02/24 13:47	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/02/24 13:47	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		05/02/24 13:47	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		05/02/24 13:47	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 13:47	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 13:47	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/02/24 13:47	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/02/24 13:47	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/02/24 13:47	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/02/24 13:47	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 13:47	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		05/02/24 13:47	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 13:47	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		05/02/24 13:47	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-6 Lab ID: 40277539001 Collected: 04/29/24 10:15 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/02/24 13:47	630-20-6	
1,1,1,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/02/24 13:47	79-34-5	
Tetrachloroethene	6.6	ug/L	1.0	0.41	1		05/02/24 13:47	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/02/24 13:47	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/02/24 13:47	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/02/24 13:47	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 13:47	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		05/02/24 13:47	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/02/24 13:47	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/02/24 13:47	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		05/02/24 13:47	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/02/24 13:47	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 13:47	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/02/24 13:47	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/02/24 13:47	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/02/24 13:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		05/02/24 13:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/02/24 13:47	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/02/24 13:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-6R Lab ID: 40277539002 Collected: 04/29/24 09:50 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/02/24 14:05	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:05	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		05/02/24 14:05	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		05/02/24 14:05	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		05/02/24 14:05	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/02/24 14:05	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 14:05	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/02/24 14:05	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/02/24 14:05	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/02/24 14:05	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 14:05	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		05/02/24 14:05	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		05/02/24 14:05	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/02/24 14:05	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 14:05	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 14:05	106-43-4	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		05/02/24 14:05	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/02/24 14:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/02/24 14:05	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/02/24 14:05	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 14:05	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:05	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/02/24 14:05	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/02/24 14:05	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:05	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/02/24 14:05	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/02/24 14:05	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/02/24 14:05	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/02/24 14:05	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/02/24 14:05	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:05	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		05/02/24 14:05	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/02/24 14:05	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		05/02/24 14:05	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		05/02/24 14:05	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 14:05	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 14:05	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/02/24 14:05	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/02/24 14:05	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/02/24 14:05	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/02/24 14:05	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 14:05	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		05/02/24 14:05	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:05	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:05	100-42-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-6R Lab ID: 40277539002 Collected: 04/29/24 09:50 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/02/24 14:05	630-20-6	
1,1,1,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/02/24 14:05	79-34-5	
Tetrachloroethene	0.93J	ug/L	1.0	0.41	1		05/02/24 14:05	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/02/24 14:05	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/02/24 14:05	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/02/24 14:05	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:05	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		05/02/24 14:05	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/02/24 14:05	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/02/24 14:05	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		05/02/24 14:05	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/02/24 14:05	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:05	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/02/24 14:05	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/02/24 14:05	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		05/02/24 14:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		05/02/24 14:05	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/02/24 14:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-12R Lab ID: 40277539003 Collected: 04/29/24 08:45 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/02/24 14:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:22	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		05/02/24 14:22	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		05/02/24 14:22	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		05/02/24 14:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/02/24 14:22	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 14:22	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/02/24 14:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/02/24 14:22	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/02/24 14:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 14:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		05/02/24 14:22	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		05/02/24 14:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/02/24 14:22	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 14:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 14:22	106-43-4	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		05/02/24 14:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/02/24 14:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/02/24 14:22	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/02/24 14:22	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 14:22	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/02/24 14:22	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/02/24 14:22	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:22	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/02/24 14:22	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/02/24 14:22	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/02/24 14:22	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/02/24 14:22	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/02/24 14:22	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:22	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		05/02/24 14:22	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/02/24 14:22	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		05/02/24 14:22	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		05/02/24 14:22	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 14:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 14:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/02/24 14:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/02/24 14:22	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/02/24 14:22	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/02/24 14:22	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 14:22	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		05/02/24 14:22	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:22	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:22	100-42-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-12R Lab ID: 40277539003 Collected: 04/29/24 08:45 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/02/24 14:22	630-20-6	
1,1,1,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/02/24 14:22	79-34-5	
Tetrachloroethene	4.6	ug/L	1.0	0.41	1		05/02/24 14:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/02/24 14:22	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/02/24 14:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/02/24 14:22	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:22	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		05/02/24 14:22	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/02/24 14:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/02/24 14:22	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		05/02/24 14:22	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/02/24 14:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/02/24 14:22	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/02/24 14:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		05/02/24 14:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		05/02/24 14:22	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		05/02/24 14:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-13 Lab ID: 40277539004 Collected: 04/29/24 09:05 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/02/24 14:40	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:40	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		05/02/24 14:40	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		05/02/24 14:40	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		05/02/24 14:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/02/24 14:40	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 14:40	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/02/24 14:40	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/02/24 14:40	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/02/24 14:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 14:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		05/02/24 14:40	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		05/02/24 14:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/02/24 14:40	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 14:40	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 14:40	106-43-4	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		05/02/24 14:40	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/02/24 14:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/02/24 14:40	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/02/24 14:40	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 14:40	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:40	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/02/24 14:40	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/02/24 14:40	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:40	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/02/24 14:40	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/02/24 14:40	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/02/24 14:40	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/02/24 14:40	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/02/24 14:40	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:40	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		05/02/24 14:40	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/02/24 14:40	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		05/02/24 14:40	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		05/02/24 14:40	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 14:40	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 14:40	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/02/24 14:40	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/02/24 14:40	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/02/24 14:40	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/02/24 14:40	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 14:40	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		05/02/24 14:40	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:40	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:40	100-42-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-13 **Lab ID: 40277539004** Collected: 04/29/24 09:05 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/02/24 14:40	630-20-6	
1,1,1,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/02/24 14:40	79-34-5	
Tetrachloroethene	4.0	ug/L	1.0	0.41	1		05/02/24 14:40	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/02/24 14:40	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/02/24 14:40	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/02/24 14:40	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 14:40	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		05/02/24 14:40	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/02/24 14:40	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/02/24 14:40	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		05/02/24 14:40	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/02/24 14:40	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 14:40	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/02/24 14:40	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/02/24 14:40	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/02/24 14:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		05/02/24 14:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/02/24 14:40	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/02/24 14:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-16 Lab ID: 40277539005 Collected: 04/29/24 12:05 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.74	ug/L	2.5	0.74	2.5		05/02/24 17:21	71-43-2	
Bromobenzene	<0.90	ug/L	2.5	0.90	2.5		05/02/24 17:21	108-86-1	
Bromochloromethane	<0.89	ug/L	2.5	0.89	2.5		05/02/24 17:21	74-97-5	
Bromodichloromethane	<0.52	ug/L	2.5	0.52	2.5		05/02/24 17:21	75-27-4	
Bromoform	<1.1	ug/L	2.5	1.1	2.5		05/02/24 17:21	75-25-2	
Bromomethane	<3.0	ug/L	12.5	3.0	2.5		05/02/24 17:21	74-83-9	
n-Butylbenzene	<2.1	ug/L	2.5	2.1	2.5		05/02/24 17:21	104-51-8	
sec-Butylbenzene	<1.1	ug/L	2.5	1.1	2.5		05/02/24 17:21	135-98-8	
tert-Butylbenzene	<1.5	ug/L	2.5	1.5	2.5		05/02/24 17:21	98-06-6	
Carbon tetrachloride	<0.92	ug/L	2.5	0.92	2.5		05/02/24 17:21	56-23-5	
Chlorobenzene	<2.1	ug/L	2.5	2.1	2.5		05/02/24 17:21	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		05/02/24 17:21	75-00-3	
Chloroform	1.5J	ug/L	12.5	1.3	2.5		05/02/24 17:21	67-66-3	
Chloromethane	<4.1	ug/L	12.5	4.1	2.5		05/02/24 17:21	74-87-3	
2-Chlorotoluene	<2.2	ug/L	12.5	2.2	2.5		05/02/24 17:21	95-49-8	
4-Chlorotoluene	<2.2	ug/L	12.5	2.2	2.5		05/02/24 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	<0.91	ug/L	12.5	0.91	2.5		05/02/24 17:21	96-12-8	
Dibromochloromethane	<6.6	ug/L	12.5	6.6	2.5		05/02/24 17:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.77	ug/L	2.5	0.77	2.5		05/02/24 17:21	106-93-4	
Dibromomethane	<2.5	ug/L	12.5	2.5	2.5		05/02/24 17:21	74-95-3	
1,2-Dichlorobenzene	<0.81	ug/L	2.5	0.81	2.5		05/02/24 17:21	95-50-1	
1,3-Dichlorobenzene	<0.88	ug/L	2.5	0.88	2.5		05/02/24 17:21	541-73-1	
1,4-Dichlorobenzene	<2.2	ug/L	2.5	2.2	2.5		05/02/24 17:21	106-46-7	
Dichlorodifluoromethane	<1.1	ug/L	12.5	1.1	2.5		05/02/24 17:21	75-71-8	
1,1-Dichloroethane	<0.74	ug/L	2.5	0.74	2.5		05/02/24 17:21	75-34-3	
1,2-Dichloroethane	<0.73	ug/L	2.5	0.73	2.5		05/02/24 17:21	107-06-2	
1,1-Dichloroethene	<1.5	ug/L	2.5	1.5	2.5		05/02/24 17:21	75-35-4	
cis-1,2-Dichloroethene	47.0	ug/L	2.5	1.2	2.5		05/02/24 17:21	156-59-2	
trans-1,2-Dichloroethene	2.4J	ug/L	2.5	1.3	2.5		05/02/24 17:21	156-60-5	
1,2-Dichloropropane	<1.1	ug/L	2.5	1.1	2.5		05/02/24 17:21	78-87-5	
1,3-Dichloropropane	<0.76	ug/L	2.5	0.76	2.5		05/02/24 17:21	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	2.5	1.0	2.5		05/02/24 17:21	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	2.5	1.0	2.5		05/02/24 17:21	563-58-6	
cis-1,3-Dichloropropene	<0.59	ug/L	2.5	0.59	2.5		05/02/24 17:21	10061-01-5	
trans-1,3-Dichloropropene	<0.66	ug/L	2.5	0.66	2.5		05/02/24 17:21	10061-02-6	
Diisopropyl ether	<2.8	ug/L	12.5	2.8	2.5		05/02/24 17:21	108-20-3	
Ethylbenzene	<0.81	ug/L	2.5	0.81	2.5		05/02/24 17:21	100-41-4	
Hexachloro-1,3-butadiene	<6.8	ug/L	12.5	6.8	2.5		05/02/24 17:21	87-68-3	
Isopropylbenzene (Cumene)	<2.5	ug/L	12.5	2.5	2.5		05/02/24 17:21	98-82-8	
p-Isopropyltoluene	<2.6	ug/L	12.5	2.6	2.5		05/02/24 17:21	99-87-6	
Methylene Chloride	<0.80	ug/L	12.5	0.80	2.5		05/02/24 17:21	75-09-2	
Methyl-tert-butyl ether	<2.8	ug/L	12.5	2.8	2.5		05/02/24 17:21	1634-04-4	
Naphthalene	<4.8	ug/L	12.5	4.8	2.5		05/02/24 17:21	91-20-3	
n-Propylbenzene	<0.86	ug/L	2.5	0.86	2.5		05/02/24 17:21	103-65-1	
Styrene	<0.89	ug/L	2.5	0.89	2.5		05/02/24 17:21	100-42-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: MW-16 Lab ID: 40277539005 Collected: 04/29/24 12:05 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.89	ug/L	2.5	0.89	2.5		05/02/24 17:21	630-20-6	
1,1,1,2-Tetrachloroethane	<0.62	ug/L	2.5	0.62	2.5		05/02/24 17:21	79-34-5	
Tetrachloroethene	563	ug/L	2.5	1.0	2.5		05/02/24 17:21	127-18-4	
Toluene	<0.72	ug/L	2.5	0.72	2.5		05/02/24 17:21	108-88-3	
1,2,3-Trichlorobenzene	<2.5	ug/L	12.5	2.5	2.5		05/02/24 17:21	87-61-6	
1,2,4-Trichlorobenzene	<2.4	ug/L	12.5	2.4	2.5		05/02/24 17:21	120-82-1	
1,1,1-Trichloroethane	<0.76	ug/L	2.5	0.76	2.5		05/02/24 17:21	71-55-6	
1,1,2-Trichloroethane	<0.86	ug/L	2.5	0.86	2.5		05/02/24 17:21	79-00-5	
Trichloroethene	61.8	ug/L	2.5	0.80	2.5		05/02/24 17:21	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	2.5	1.0	2.5		05/02/24 17:21	75-69-4	
1,2,3-Trichloropropane	<1.4	ug/L	2.5	1.4	2.5		05/02/24 17:21	96-18-4	
1,2,4-Trimethylbenzene	<1.1	ug/L	2.5	1.1	2.5		05/02/24 17:21	95-63-6	
1,3,5-Trimethylbenzene	<0.89	ug/L	2.5	0.89	2.5		05/02/24 17:21	108-67-8	
Vinyl chloride	1.3J	ug/L	2.5	0.44	2.5		05/02/24 17:21	75-01-4	
m&p-Xylene	<1.8	ug/L	5.0	1.8	2.5		05/02/24 17:21	179601-23-1	
o-Xylene	<0.87	ug/L	2.5	0.87	2.5		05/02/24 17:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		2.5		05/02/24 17:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		2.5		05/02/24 17:21	2199-69-1	
Toluene-d8 (S)	102	%	70-130		2.5		05/02/24 17:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: TRIP BLANK Lab ID: 40277539006 Collected: 04/29/24 00:00 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/02/24 12:36	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 12:36	108-86-1	
Bromochloromethane	<0.36	ug/L	1.0	0.36	1		05/02/24 12:36	74-97-5	
Bromodichloromethane	<0.21	ug/L	1.0	0.21	1		05/02/24 12:36	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		05/02/24 12:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		05/02/24 12:36	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 12:36	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		05/02/24 12:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		05/02/24 12:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		05/02/24 12:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		05/02/24 12:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		05/02/24 12:36	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		05/02/24 12:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		05/02/24 12:36	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 12:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		05/02/24 12:36	106-43-4	
1,2-Dibromo-3-chloropropane	<0.36	ug/L	5.0	0.36	1		05/02/24 12:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		05/02/24 12:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		05/02/24 12:36	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		05/02/24 12:36	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 12:36	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 12:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		05/02/24 12:36	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		05/02/24 12:36	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 12:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		05/02/24 12:36	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		05/02/24 12:36	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		05/02/24 12:36	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		05/02/24 12:36	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		05/02/24 12:36	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		05/02/24 12:36	142-28-9	
2,2-Dichloropropane	<0.42	ug/L	1.0	0.42	1		05/02/24 12:36	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		05/02/24 12:36	563-58-6	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		05/02/24 12:36	10061-01-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		05/02/24 12:36	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 12:36	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/02/24 12:36	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		05/02/24 12:36	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		05/02/24 12:36	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		05/02/24 12:36	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		05/02/24 12:36	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		05/02/24 12:36	1634-04-4	
Naphthalene	<1.9	ug/L	5.0	1.9	1		05/02/24 12:36	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		05/02/24 12:36	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		05/02/24 12:36	100-42-5	

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ANALYTICAL RESULTS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Sample: TRIP BLANK Lab ID: 40277539006 Collected: 04/29/24 00:00 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		05/02/24 12:36	630-20-6	
1,1,1,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/02/24 12:36	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		05/02/24 12:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/02/24 12:36	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		05/02/24 12:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/02/24 12:36	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		05/02/24 12:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		05/02/24 12:36	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		05/02/24 12:36	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		05/02/24 12:36	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	1.0	0.56	1		05/02/24 12:36	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/02/24 12:36	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/02/24 12:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/02/24 12:36	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/02/24 12:36	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/02/24 12:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/02/24 12:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/02/24 12:36	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		05/02/24 12:36	2037-26-5	

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QUALITY CONTROL DATA

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

QC Batch: 473353

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277539001, 40277539002, 40277539003, 40277539004, 40277539005, 40277539006

METHOD BLANK: 2711009

Matrix: Water

Associated Lab Samples: 40277539001, 40277539002, 40277539003, 40277539004, 40277539005, 40277539006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	05/02/24 09:20	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/02/24 09:20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/02/24 09:20	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	05/02/24 09:20	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/02/24 09:20	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/02/24 09:20	
1,1-Dichloropropene	ug/L	<0.41	1.0	05/02/24 09:20	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	05/02/24 09:20	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	05/02/24 09:20	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/02/24 09:20	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/02/24 09:20	
1,2-Dibromo-3-chloropropane	ug/L	<0.36	5.0	05/02/24 09:20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/02/24 09:20	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/02/24 09:20	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/02/24 09:20	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/02/24 09:20	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/02/24 09:20	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/02/24 09:20	
1,3-Dichloropropane	ug/L	<0.30	1.0	05/02/24 09:20	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/02/24 09:20	
2,2-Dichloropropane	ug/L	<0.42	1.0	05/02/24 09:20	
2-Chlorotoluene	ug/L	<0.89	5.0	05/02/24 09:20	
4-Chlorotoluene	ug/L	<0.89	5.0	05/02/24 09:20	
Benzene	ug/L	<0.30	1.0	05/02/24 09:20	
Bromobenzene	ug/L	<0.36	1.0	05/02/24 09:20	
Bromochloromethane	ug/L	<0.36	1.0	05/02/24 09:20	
Bromodichloromethane	ug/L	<0.21	1.0	05/02/24 09:20	
Bromoform	ug/L	<0.43	1.0	05/02/24 09:20	
Bromomethane	ug/L	<1.2	5.0	05/02/24 09:20	
Carbon tetrachloride	ug/L	<0.37	1.0	05/02/24 09:20	
Chlorobenzene	ug/L	<0.86	1.0	05/02/24 09:20	
Chloroethane	ug/L	<1.4	5.0	05/02/24 09:20	
Chloroform	ug/L	<0.50	5.0	05/02/24 09:20	
Chloromethane	ug/L	<1.6	5.0	05/02/24 09:20	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/02/24 09:20	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	05/02/24 09:20	
Dibromochloromethane	ug/L	<2.6	5.0	05/02/24 09:20	
Dibromomethane	ug/L	<0.99	5.0	05/02/24 09:20	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/02/24 09:20	
Diisopropyl ether	ug/L	<1.1	5.0	05/02/24 09:20	

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: 25211374.54 NORTHGATE

Pace Project No.: 40277539

METHOD BLANK: 2711009

Matrix: Water

Associated Lab Samples: 40277539001, 40277539002, 40277539003, 40277539004, 40277539005, 40277539006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	05/02/24 09:20	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	05/02/24 09:20	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	05/02/24 09:20	
m&p-Xylene	ug/L	<0.70	2.0	05/02/24 09:20	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/02/24 09:20	
Methylene Chloride	ug/L	<0.32	5.0	05/02/24 09:20	
n-Butylbenzene	ug/L	<0.86	1.0	05/02/24 09:20	
n-Propylbenzene	ug/L	<0.35	1.0	05/02/24 09:20	
Naphthalene	ug/L	<1.9	5.0	05/02/24 09:20	
o-Xylene	ug/L	<0.35	1.0	05/02/24 09:20	
p-Isopropyltoluene	ug/L	<1.0	5.0	05/02/24 09:20	
sec-Butylbenzene	ug/L	<0.42	1.0	05/02/24 09:20	
Styrene	ug/L	<0.36	1.0	05/02/24 09:20	
tert-Butylbenzene	ug/L	<0.59	1.0	05/02/24 09:20	
Tetrachloroethene	ug/L	<0.41	1.0	05/02/24 09:20	
Toluene	ug/L	<0.29	1.0	05/02/24 09:20	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/02/24 09:20	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	05/02/24 09:20	
Trichloroethene	ug/L	<0.32	1.0	05/02/24 09:20	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/02/24 09:20	
Vinyl chloride	ug/L	<0.17	1.0	05/02/24 09:20	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	05/02/24 09:20	
4-Bromofluorobenzene (S)	%	104	70-130	05/02/24 09:20	
Toluene-d8 (S)	%	103	70-130	05/02/24 09:20	

LABORATORY CONTROL SAMPLE: 2711010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.2	104	70-132	
1,1,2,2-Tetrachloroethane	ug/L	50	54.9	110	70-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethene	ug/L	50	52.3	105	73-140	
1,2,4-Trichlorobenzene	ug/L	50	46.3	93	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.4	105	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	70-130	
1,2-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dichloroethane	ug/L	50	55.0	110	70-130	
1,2-Dichloropropane	ug/L	50	54.8	110	77-127	
1,3-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,4-Dichlorobenzene	ug/L	50	51.3	103	70-130	
Benzene	ug/L	50	50.4	101	70-130	
Bromodichloromethane	ug/L	50	56.1	112	70-130	
Bromoform	ug/L	50	45.2	90	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

LABORATORY CONTROL SAMPLE: 2711010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	57.2	114	22-141	
Carbon tetrachloride	ug/L	50	59.1	118	70-135	
Chlorobenzene	ug/L	50	51.1	102	70-130	
Chloroethane	ug/L	50	70.2	140	59-141	
Chloroform	ug/L	50	52.8	106	80-124	
Chloromethane	ug/L	50	62.4	125	29-150	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.3	109	70-130	
Dibromochloromethane	ug/L	50	47.6	95	70-130	
Dichlorodifluoromethane	ug/L	50	51.4	103	10-147	
Ethylbenzene	ug/L	50	52.8	106	80-125	
Isopropylbenzene (Cumene)	ug/L	50	54.5	109	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	57.9	116	64-131	
Methylene Chloride	ug/L	50	58.9	118	70-137	
o-Xylene	ug/L	50	50.2	100	70-130	
Styrene	ug/L	50	52.5	105	70-130	
Tetrachloroethene	ug/L	50	50.8	102	70-130	
Toluene	ug/L	50	50.1	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	55.7	111	70-131	
trans-1,3-Dichloropropene	ug/L	50	55.8	112	70-130	
Trichloroethene	ug/L	50	50.9	102	70-130	
Trichlorofluoromethane	ug/L	50	59.5	119	69-141	
Vinyl chloride	ug/L	50	58.4	117	51-145	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2711043 2711044

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40277471015	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.8	52.1	106	104	70-132	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.5	54.0	105	108	70-131	3	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	52.2	51.8	104	104	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	53.7	53.6	107	107	70-131	0	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	53.5	53.2	107	106	69-146	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.9	46.3	92	93	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<0.36	50	50	53.6	52.0	107	104	56-130	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50.4	51.6	101	103	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	48.7	51.0	97	102	70-130	5	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	53.5	54.2	107	108	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	53.4	55.9	107	112	77-129	5	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	49.3	51.1	99	102	70-130	4	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2711043		2711044		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40277471015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.3	51.1	99	102	70-130	4	20		
Benzene	ug/L	<0.30	50	50	50.2	50.5	100	101	70-130	1	20		
Bromodichloromethane	ug/L	<0.21	50	50	56.2	56.1	112	112	70-130	0	20		
Bromoform	ug/L	<0.43	50	50	47.6	46.3	95	93	70-130	3	20		
Bromomethane	ug/L	<1.2	50	50	66.7	72.7	133	145	12-159	9	26		
Carbon tetrachloride	ug/L	<0.37	50	50	59.4	59.3	119	119	70-135	0	20		
Chlorobenzene	ug/L	<0.86	50	50	50.5	52.1	101	104	70-130	3	20		
Chloroethane	ug/L	<1.4	50	50	68.8	68.9	138	138	56-143	0	20		
Chloroform	ug/L	<0.50	50	50	51.8	51.9	104	104	80-126	0	20		
Chloromethane	ug/L	<1.6	50	50	60.0	61.1	120	122	22-156	2	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	46.4	46.6	93	93	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	53.5	53.5	107	107	70-130	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	47.0	49.2	94	98	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	50.8	50.9	102	102	10-147	0	20		
Ethylbenzene	ug/L	<0.33	50	50	52.1	53.9	104	108	80-126	3	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.1	54.8	108	110	70-130	1	20		
m&p-Xylene	ug/L	<0.70	100	100	104	107	104	107	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	57.6	56.3	115	113	64-136	2	20		
Methylene Chloride	ug/L	<0.32	50	50	57.1	58.1	114	116	70-137	2	20		
o-Xylene	ug/L	<0.35	50	50	49.7	51.2	99	102	70-130	3	20		
Styrene	ug/L	<0.36	50	50	53.4	54.2	107	108	70-133	2	20		
Tetrachloroethene	ug/L	<0.41	50	50	50.2	51.4	100	103	70-131	2	20		
Toluene	ug/L	<0.29	50	50	50.8	51.4	102	103	80-121	1	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	56.5	58.3	113	117	70-135	3	20		
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	55.3	57.2	111	114	70-130	3	20		
Trichloroethene	ug/L	<0.32	50	50	50.6	51.1	101	102	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	59.0	59.6	118	119	67-142	1	20		
Vinyl chloride	ug/L	<0.17	50	50	57.1	58.5	114	117	45-147	2	20		
1,2-Dichlorobenzene-d4 (S)	%						98	103	70-130				
4-Bromofluorobenzene (S)	%						103	106	70-130				
Toluene-d8 (S)	%						101	102	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

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 - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25211374.54 NORTHGATE

Pace Project No.: 40277539

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40277539001	MW-6	EPA 8260	473353		
40277539002	MW-6R	EPA 8260	473353		
40277539003	MW-12R	EPA 8260	473353		
40277539004	MW-13	EPA 8260	473353		
40277539005	MW-16	EPA 8260	473353		
40277539006	TRIP BLANK	EPA 8260	473353		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or
MTJL Log-in Number Here

40277539

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers Billing Information: 25211374.54

Address: 2830 Dairy Dr, Madison WI

Report To: Betty Socha Email To: bsocha@scsengineers.com

Copy To: Site Collection Info/Address:

Customer Project Name/Number: Northgate/25211374.54 State: WI County/City: Dane Time Zone Collected: [] PT [] MT [X] CT [] ET

Phone: 608-233-0917 Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Email: eschad@scsengineers.com

Collected By (print): Ethan Schaefer Purchase Order #: DW PWS ID #: DW Location Code:

Collected By (signature): [Signature] Turnaround Date Required: Immediately Packed on Ice: [] Yes [] No

Sample Disposal: [] Dispose as appropriate [] Return Rush: [] Same Day [] Next Day Field Filtered (if applicable): [] Yes [] No

[] Archive: [] 2 Day [] 3 Day [] 4 Day [] 5 Day Analysis: [] Yes [] No

[] Hold: (Expedite Charges Apply)

Container Preservative Type ** 3 Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses										Lab Profile/Line:
										Lab Sample Receipt Checklist:
										Custody Seals Present/Intact Y N NA
										Custody Signatures Present Y N NA
										Collector Signature Present Y N NA
										Bottles Intact Y N NA
										Correct Bottles Y N NA
										Sufficient Volume Y N NA
										Samples Received on Ice Y N NA
										VOA - Headspace Acceptable Y N NA
										USDA Regulated Soils Y N NA
										Samples in Holding Time Y N NA
										Residual Chlorine Present Y N NA
										Cl Strips: _____
										Sample pH Acceptable Y N NA
										pH Strips: _____
										Sulfide Present Y N NA
										Lead acetate Strips: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-6	GW	G	4/29	1015				3 X
MW-6A				450				3 X
MW-12R				845				3 X
MW-13				905				3 X
MW-16				1205				3 X
Trip Blank								2 X

VOCS

[Handwritten Signature]
LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: Lab Tracking #: 2953343

Radchem sample(s) screened (<500 cpm): Y N NA Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments: [Signature]

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
<u>[Signature]</u> / SCS	<u>4/29 1330</u>		
<u>CS Logistics</u>	<u>4/29 0910</u>	<u>[Signature]</u>	<u>4/29 0910</u>

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO Page: Page 24 of 26 of: _____

Sample Preservation Receipt Form

Client Name: SCS

Project # 40277539

All containers needing preservation have been checked and noted below:
 Lab Lot# of pH paper:

Yes No N/A

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

Initial when completed:

Date/ Time:

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	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU								WPFU	SP5T	ZPLC	GN 1	GN 2		
001																																			2.5 / 5	
002																																			2.5 / 5	
003																																			2.5 / 5	
004																																			2.5 / 5	
005																																			2.5 / 5	
006																																			2.5 / 5	
007																																			2.5 / 5	
008																																			2.5 / 5	
009																																			2.5 / 5	
010																																			2.5 / 5	
011																																			2.5 / 5	
012																																			2.5 / 5	
013																																				2.5 / 5
014																																				2.5 / 5
015																																				2.5 / 5
016																																				2.5 / 5
017																																				2.5 / 5
018																																				2.5 / 5
019																																				2.5 / 5
020																																				2.5 / 5

not used

*M
M
M
M
M*

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: SCS

WO#: **40277539**

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used SR - 120 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 4/20/24 /Initials: mt

Labeled By Initials: YN

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: - DI VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time:
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace	
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 -Includes date/time/ID/Analysis Matrix: <u>W</u>	12.
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>517</u>	

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

Attachment B

Waste Disposal Documentation

Madison Metro Sewerage Dist.

1610 Moorland Road
Madison, WI 53713-3398

REC'D MAY 24 2024

Number:	IN000019289
Page:	1
Date:	5/1/2024

Sold SCS ENGINEERS To: ATTN: MARK TUSLER 2830 DAIRY DRIVE MADISON, WI 53718
--

Reference - P.O. No.	Customer No.	Salesperson	Ship Via	Terms Code
	BT2			30

	Description/Comments	Amount								
	Discharge Disposal April 2024	0.10								
	Administrative Fee Administrative fee	44.89								
	<table border="1"> <thead> <tr> <th>Due Date</th> <th>Amount Due</th> <th>Disc. Date</th> <th>Disc. Amount</th> </tr> </thead> <tbody> <tr> <td>6/21/2024</td> <td>44.99</td> <td></td> <td>0.00</td> </tr> </tbody> </table>	Due Date	Amount Due	Disc. Date	Disc. Amount	6/21/2024	44.99		0.00	
Due Date	Amount Due	Disc. Date	Disc. Amount							
6/21/2024	44.99		0.00							
	<p style="color: red;">Vendor: 0212000 4/29 Water 25211374.54, T00001 g/l: 550.01</p>									

Remit To:

Madison Met. Sewerage District
1610 Moorland Road
Madison, WI 53713
USA

Total amount	44.99
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1% Interest per month after 30 days

Invoice

SCS Engineers

Fax: (608) 224-2839

Run Date/Time: 5/16/2024 10:06:21AM

315091	04/29/2024	\$0.10
		\$0.10