



## Meridian Environmental Consulting, LLC

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November 11, 2019

Carrie Stoltz  
Wisconsin Department of Natural Resources  
107 Sutliff Avenue  
Rhinelander, Wisconsin 54501

Subject:       **Progress Report:**

- **Ground Water Sampling (9/24/19)**
- **Operate SVE System**
- **Recommendations**

Site:           Jim's Bar  
                  Jump River, Wisconsin  
                  PECFA No. 54433-9769-64/DNR BRRTS No. 03-61-000116  
                  Meridian No. 05F781

Dear Carrie:

This progress report describes recent work completed at the above referenced site. This work included:

- Ground Water Sampling (9/24/19)
- Operate SVE System

Based on the results of this work, we recommend the Soil Vapor Extraction System operate intermittently ("pulsed") for two months (November and December) and then shut off permanently.

The monitoring wells are scheduled to be sampled in December 2019.

A summary report will be prepared in January 2020 which will evaluate whether this site can be submitted for Closure with GIS Registry for Soil and Ground Water.

## RECENT WORK

### Ground Water Sampling

The monitoring wells and selected private wells were sampled in September 2019. The analytical reports are provided in Appendix A and summarized in Table 1. Figures 1 and 2 are maps of the study area.

The water levels and natural attenuation parameters were measured during the sampling event. These measurements are provided in Tables 2 and 3, respectively.

### Soil Vapor Extraction System Operation

The SVE system consists of a 3 hp vacuum blower housed in a small trailer unit. The vacuum blower is connected via PVC piping to various vents in the ground. Figure 3 illustrates the SVE vent and piping array.

The SVE system was installed in the fall of 2018 and started November 14, 2018. The air discharge was sampled per DNR guidance (i.e., daily for first 3 days, weekly for first 3 weeks, and then monthly thereafter).

The air sampling and SVE operation data is summarized in Table 4. Recent lab reports (not previously submitted) are provided in Appendix B.

The system operated continuously (for the most part) from November 14, 2018 to November 4, 2019. There have been several times the system was not operating for various reasons (e.g., flooding (in March), power outage); these dates are reflected in Table 4.

Condensate water accumulates during the winter months. This water was stored temporarily in drums for later disposal at the Bloomer Waste Water Plant.

### SVE System Performance

The SVE system has removed approximately 7,303 lbs of VOCs and 437 lbs of benzene from the subsurface from Nov 14, 2018 through Nov 4, 2019 (Table 4). This is equivalent to approximately 1,159 gallons of gasoline (assuming 6.3 lbs VOCs = 1 gallon gasoline).

Field testing was completed on October 1- 2018, May 15- 2019, and October 17- 2019 on each SV point to determine individual extraction flow characteristics such as VOC concentrations, flow rate, pressure, etc. (Table 5). SV7 continued to contain the highest VOC concentrations during the field testing events. Based on the observed flow characteristics, select SVE extraction points were operated (pulsed) to ensure maximum VOC subsurface removal rates during SVE operation.

The SVE system operated at a VOC removal rate of approximately 80 lbs/day during the first month of operation, 20 lbs/day after 6 months of operation, and less than 10 lbs/day currently which is approximately 1 year of operation. The VOC removal rates have significantly decreased during system operation.

Based on the low VOC removal rate, the SVE system was turned off November 4, 2019. We plan to re-start the system December 1, 2019 and operate it for one month. The system will be turned off at the end of December 2019.

## DATA EVALUATION

### Hydrogeology

Figure 4 is a cross-section illustrating our interpretation of the site geology based on the soil boring and well logs. There are two main water bearing units at this site: a shallow sand and gravel layer and a deeper sand and gravel layer. The *shallow*, unconfined sand and gravel layer is found from about 15 feet extending to about 30 ft below grade. This unit rests on approximately 20 – 30 feet of fine-grained heterogenous sediments (silty sand, clayey sand, sandy silt, sandy clay) referred locally as 'hardpan'. The *deeper* sand and gravel aquifer is found about 50 feet below grade.

A laterally continuous cobble layer (i.e., a layer of rocks 3 – 6 inches in diameter) was encountered from 10 – 15 feet below grade. This layer appears to thin to the northwest (based on observations from MW-14 and MW-15). The cobbles were round and are likely associated with river deposits (i.e., fluvial origin).

Area wells obtain their water supply from the deeper sand and gravel aquifer. The potable wells are typically 50 - 60 feet deep.

Flow in the shallow ground water unit appears to be easterly (Figure 5). The gradient is relatively flat and the flow direction may vary with precipitation, river stage, seasonally, etc.

Flow direction in the deeper aquifer (about 50 – 60 feet below grade) is not known. However, regional drainage (e.g., Jump River) is to the west/southwest and flow in the deeper aquifer may behave similarly. In addition, ground water flow in the deeper aquifer may be influenced locally by pumping in the water wells.

It is important to note there is a downward vertical gradient as measured in the well nests (Table 2). Although vertical flow in the hardpan is slower and contaminant transport is inhibited by the heterogeneous, fine-grained sediments in the hardpan, there appears to be some communication between the shallow water table impacts and the deeper sand and gravel aquifer. This may explain the benzene and MTBE impacts measured in the private water wells located at 14789 Hwy. 73 (Keepers former well), 8891 Bridge (Store current well), and 8890 Bridge (McVicker current well). Other underground storage tanks (former) in the area may have also contributed to the benzene and MTBE impacts.

### Extent of Impacted Ground Water

Figure 6 illustrates the estimated extent of ground water impacts above NR140 Enforcement Standards (ES) based on the most recent monitoring well data (September 2019). A ground water contaminant plume extends around the former tank area (MW-1, -2, -3, -5, -6) and to the east beneath the ball field (MW- 12A, -12B, -12C). The plume also extends to depth as measured in MW-12B and MW-12C (Figure 4).

The lateral extent of impacted ground water is defined with the current monitoring well network and private wells. The concentrations appear to be decreasing in some wells although this could be attributed

to the heavy precipitation experienced this spring. The monitoring wells should be sampled once more in December.

As noted above, benzene and MTBE are routinely measured in several private wells (e.g., 14789 Hwy. 73 (Keepers former well), 8891 Bridge (Store current well), and 8890 Bridge (McVicker current well). The MTBE concentrations are consistently below NR140 PAL. However, the benzene concentrations in 8891 Bridge (Store current well) has exceeded the NR140 Enforcement Standard (for benzene) as recently as June 2019. Therefore a replacement well is being provided for the Store.

### CONCLUSIONS AND RECOMMENDATIONS

The VOC removal rate from the subsurface by the SVE system has significantly decreased to a rate that does not appear cost-effective for continuing operation and should be shut down. Based on the low VOC removal rate, the SVE system was turned off November 4, 2019. We plan to re-start the system December 1, 2019 and operate it for one month. The system will be turned off at the end of December 2019. Air samples will be collected at the beginning and end of December operation.

The extent of impacted ground water is defined. The monitoring well network should be sampled once more (December). This will allow documentation of the effectiveness of the remedial action and document the stability of the ground water plume.

The private well at the Store (8891 Bridge Road) is being replaced. The water from the new well should be sampled several times to confirm its water quality.

A summary report will be prepared in January 2019 which will evaluate whether this site can be submitted for Closure with GIS Registry for Soil and Ground Water.

A Change Order for the above recommendations will be submitted in separate correspondence.

Please contact me with any questions regarding the content of this report or the project in general.

Sincerely,  
**MERIDIAN ENVIRONMENTAL CONSULTING, LLC**

  
Kenneth Shimko, PG  
Project Manager

C: Gary Gilbert – Project Engineer



# TABLES

**Table 1: Ground Water Analytical Data**  
Jim's Bar/Jump River

| Well                                    | Date               | 1,2,4-TMB                        | 1,3,5-TMB | Total TMB | Benzene | Ethylbenzene | m&p-xylene | o-xylene | Total Xylenes | MTBE  | Naphthalene | Toluene |
|---|--------------------|----------------------------------|-----------|-----------|---------|--------------|------------|----------|---------------|-------|-------------|---------|
| Units                                   |                    | ug/l                             | ug/l      | ug/l      | ug/l    | ug/l         | ug/l       | ug/l     | ug/l          | ug/l  | ug/l        | ug/l    |
| NR140 Enforcement Standard (ES)         |                    |                                  |           | 480       | 5       | 700          |            |          | 2000          | 60    | 100         | 800     |
| NR140 Preventive Action Limit (PAL)     |                    |                                  |           | 96        | 0.5     | 140          |            |          | 400           | 12    | 10          | 160     |
| <b>Monitoring Well Sampling Results</b> |                    |                                  |           |           |         |              |            |          |               |       |             |         |
| <b>MW-1</b>                             | installed 10/11/11 |                                  |           |           |         |              |            |          |               |       |             |         |
|   | 10/14/2011         | 2670                             | 850       | 3520      | 1250    | 2080         | 4660       | 1900     | 6560          | 182   | 553         | 7110    |
|   | 6/23/2012          | 1230                             | 388       | 1618      | 682     | 619          |            |          | 3870          | 17.2J | 157         | 2590    |
|   | 5/14/2013          | 1480                             | 436       | 1916      | 348     | 880          |            |          | 3850          | 14.3J | 311         | 1850    |
|   | 12/3/2013          | 382                              | 66.2      | 448.2     | 278     | 367          |            |          | 608           | 8.7   | 62.6        | 476     |
|   | 4/15/2014          | 648                              | 145       | 793       | 219     | 439          |            |          | 1440          | 11.2  | 101         | 842     |
|   | 1/20/2015          | 1390                             | 392       | 1782      | 621     | 998          |            |          | 3760          | <24.2 | 239         | 3480    |
|   | 4/28/2015          | 585                              | 124       | 709       | 223     | 344          |            |          | 1150          | 15.8  | 65.7        | 577     |
|   | 7/29/2015          | 164                              | 18.2      | 182.2     | 79.6    | 170          |            |          | 184           | 9.4   | 25.9        | 108     |
|   | 12/8/2015          | 165                              | 16.3      | 181.3     | 102     | 230          |            |          | 276           | 4.2   | 28.5        | 229     |
|   | 3/31/2016          | Not sampled due to ponding       |           |           |         |              |            |          |               |       |             |         |
|   | 6/7/2016           | 711                              | 175       | 886       | 175     | 489          |            |          | 1480          | 8.5   | 115         | 966     |
|   | 7/24/2017          | 1760                             | 503       | 2263      | 617     | 1390         |            |          | 6010          | <24.2 | 373         | 5640    |
|   | 10/23/2017         | 1490                             | 433       | 1923      | 252     | 1110         |            |          | 3560          | <19.4 | 297         | 2030    |
|   | 6/25/2018          | 1150                             | 375       | 1525      | 208     | 661          |            |          | 2530          | 13.4J | 208         | 982     |
|   | 10/17/2018         | 417                              | 154       | 571       | 123     | 116          |            |          | 910           | 6.6J  | 52.8        | 572     |
|   | 6/18/2019          | 1200                             | 337       | 1537      | 184     | 585          | 4450       | 2020     | 6470          | <24.9 | 205         | 2910    |
|   | 9/24/2019          | 1020                             | 278       | 1298      | 145     | 569          | 2890       | 1290     | 4180          | <24.9 | 192         | 2410    |
| <b>MW-2</b>                             | installed 10/11/11 |                                  |           |           |         |              |            |          |               |       |             |         |
|   | 10/14/2011         | 1810                             | 619       | 2429      | 94.5    | 680          | 2350       | 251      | 2601          | 87.4  | 292         | 278     |
|   | 6/23/2012          | 634                              | 153       | 787       | 5.4     | 164          |            |          | 497           | 15.5  | 79.9        | 44.6    |
|   | 5/14/2013          | 733                              | 273       | 1006      | 39.3    | 234          |            |          | 753           | 11.9  | 114         | 95.8    |
|   | 12/3/2013          | 203                              | 60.2      | 263.2     | 68.3    | 127          |            |          | 276           | 12.7  | 53.6        | 75.8    |
|   | 4/15/2014          | 617                              | 194       | 811       | 72.3    | 295          |            |          | 750           | 16.4  | 119         | 175     |
|   | 1/20/2015          | 436                              | 162       | 598       | 24.5    | 155          |            |          | 334           | 11    | 63.7        | 42.7    |
|   | 4/28/2015          | 576                              | 206       | 782       | 32.1    | 183          |            |          | 430           | 34.9  | 77.7        | 70.8    |
|   | 7/29/2015          | 469                              | 168       | 637       | 18.1    | 128          |            |          | 284           | 30    | 57          | 39.2    |
|   | 12/8/2015          | 286                              | 75.6      | 361.6     | 21      | 135          |            |          | 238           | 10.8  | 68.2        | 33.9    |
|   | 3/31/2016          | 481                              | 161       | 642       | 39.2    | 183          |            |          | 362           | 10    | 74.7        | 83.7    |
|   | 6/7/2016           | 422                              | 164       | 586       | 19.5    | 110          |            |          | 260           | 13.8  | 51.3        | 38      |
|   | 7/24/2017          | 275                              | 79.6      | 354.6     | 6.7     | 84.6         |            |          | 154           | 23.3  | 43.8        | 13.8    |
|   | 10/23/2017         | 355                              | 130       | 485       | 36.5    | 167          |            |          | 304           | 11.8  | 61.4        | 118     |
|   | 6/25/2018          | 273                              | 98.8      | 371.8     | 15.4    | 93.3         |            |          | 167           | 10.2  | 43.1        | 39      |
|   | 10/17/2018         | 477                              | 196       | 673       | 14.9    | 124          |            |          | 271           | 10    | 55.3        | 43.1    |
|   | 6/18/2019          | 234                              | 115       | 349       | 2.8J    | 39.6         | 95.9       | 12.9     | 108.8         | <6.2  | 17.7J       | 20.2J   |
|   | 9/24/2019          | 177                              | 102       | 279       | 7.7     | 65.7         | 127        | 10.8     | 137.8         | <1.2  | 19.4        | 35      |
| <b>MW-3</b>                             | installed 10/11/11 |                                  |           |           |         |              |            |          |               |       |             |         |
|   | 10/14/2011         | 3980                             | 1260      | 5240      | 1560    | 2910         | 10200      | 2280     | 12480         | 169   | 856         | 9780    |
|   | 6/23/2012          | 3340                             | 993       | 4333      | 742     | 2560         |            |          | 11200         | <38.1 | 632         | 7910    |
|   | 5/14/2013          | 3130                             | 944       | 4074      | 978     | 2230         |            |          | 9720          | <38.1 | 606         | 7450    |
|   | 12/3/2013          | 3270                             | 998       | 4268      | 662     | 2300         |            |          | 9720          | <37.1 | 577         | 6850    |
|   | 4/15/2014          | 2870                             | 888       | 3758      | 663     | 2200         |            |          | 9100          | <48.5 | 567         | 5520    |
|   | 1/20/2015          | 2840                             | 859       | 3699      | 605     | 1930         |            |          | 8610          | <24.2 | 482         | 6350    |
|   | 4/28/2015          | 2810                             | 848       | 3658      | 572     | 1710         |            |          | 7780          | <24.2 | 468         | 5480    |
|   | 7/29/2015          | 2730                             | 827       | 3557      | 436     | 1730         |            |          | 7180          | <19.4 | 445         | 5000    |
|   | 12/8/2015          | 2570                             | 765       | 3335      | 378     | 1580         |            |          | 6600          | <19.4 | 443         | 4340    |
|   | 3/31/2016          | 2630                             | 734       | 3364      | 371     | 1550         |            |          | 6430          | <9.7  | 456         | 3980    |
|   | 6/7/2016           | 2900                             | 885       | 3785      | 365     | 1500         |            |          | 7360          | <9.7  | 480         | 4320    |
|   | 7/24/2017          | 3440                             | 1020      | 4460      | 264     | 1330         |            |          | 7790          | <19.4 | 567         | 3380    |
|   | 10/23/2017         | 2990                             | 925       | 3915      | 209     | 1260         |            |          | 6860          | <19.4 | 464         | 3140    |
|   | 6/25/2018          | 2690                             | 825       | 3515      | 203     | 1240         |            |          | 5760          | <12.8 | 441         | 2650    |
|   | 10/17/2018         | 4470                             | 1400      | 5870      | 230     | 1870         |            |          | 9080          | <12.8 | 641         | 4150    |
|   | 6/18/2019          | 959                              | 374       | 1333      | 36.8    | 355          | 1200       | 356      | 1556          | <12.5 | 318         | 592     |
|   | 9/24/2019          | 1840                             | 569       | 2409      | 44.4    | 658          | 2260       | 293      | 2553          | <24.9 | 304         | 456     |
| <b>MW-4</b>                             | installed 10/11/11 |                                  |           |           |         |              |            |          |               |       |             |         |
|   | 10/14/2011         | 2420                             | 711       | 3131      | 1400    | 2380         | 6980       | 1890     | 8870          | 98.8  | 589         | 7460    |
|   | 6/23/2012          | 3020                             | 866       | 3886      | 1360    | 2370         |            |          | 10800         | <19   | 686         | 7720    |
|   | 5/14/2013          | 2770                             | 809       | 3579      | 1660    | 2230         |            |          | 12300         | <38.1 | 651         | 8760    |
|   | 10/22/2013         | well abandoned due to excavation |           |           |         |              |            |          |               |       |             |         |
| <b>MW-5</b>                             | installed 5/6/13   |                                  |           |           |         |              |            |          |               |       |             |         |
|   | 5/14/2013          | 3090                             | 919       | 4009      | 88.8    | 1120         |            |          | 4040          | <19   | 655         | 387     |
|   | 12/3/2013          | 2460                             | 720       | 3180      | 103     | 770          |            |          | 2050          | <9.3  | 450         | 223     |
|   | 4/15/2014          | 3200                             | 968       | 4168      | 82.5    | 890          |            |          | 2330          | <12.1 | 501         | 201     |
|   | 1/20/2015          | SNOWPILE                         |           |           |         |              |            |          |               |       |             |         |
|   | 4/28/2015          | 2670                             | 842       | 3512      | 188     | 841          |            |          | 2340          | <19.4 | 425         | 1020    |
|   | 7/29/2015          | 2640                             | 834       | 3474      | 61.9    | 848          |            |          | 2250          | 12.2  | 413         | 572     |
|   | 12/8/2015          | 2680                             | 833       | 3513      | 52.4    | 826          |            |          | 2110          | <12.1 | 432         | 439     |
|   | 3/31/2016          | 2190                             | 617       | 2807      | 42.5    | 666          |            |          | 1380          | <9.7  | 364         | 242     |
|   | 6/7/2016           | 2320                             | 737       | 3057      | 107     | 718          |            |          | 1750          | <12.1 | 383         | 425     |
|   | 7/24/2017          | 2930                             | 856       | 3786      | 136     | 1550         |            |          | 5940          | <24.2 | 728         | 2050    |
|   | 10/23/2017         | 2800                             | 897       | 3697      | 169     | 1020         |            |          | 3210          | <9.7  | 536         | 1260    |
|   | 6/25/2018          | 2950                             | 999       | 3949      | 36.4    | 791          |            |          | 2000          | <8    | 479         | 507     |
|   | 10/17/2018         | 3260                             | 1110      | 4370      | 37.4    | 732          |            |          | 1980          | 9.0J  | 438         | 424     |
|   | 6/18/2019          | 439                              | 190       | 629       | 11.8    | 98.3         | 265        | 255      | 520           | <12.5 | 77.1        | 214     |
|   | 9/24/2019          | 1140                             | 426       | 1566      | 2.3J    | 258          | 457        | 52.4     | 509.4         | <6.2  | 152         | 38.4    |

BOLD exceeds NR140ES  
Italics exceeds NR140PAL



**Table 1: Ground Water Analytical Data**

Jim's Bar/Jump River

| Well                                | Date               | 1,2,4-TMB | 1,3,5-TMB | Total TMB | Benzene | Ethylbenzene | m&p-xylene | o-xylene | Total Xylenes | MTBE  | Naphthalene | Toluene |
|-------------------------------------|--------------------|-----------|-----------|-----------|---------|--------------|------------|----------|---------------|-------|-------------|---------|
| Units                               |                    | ug/l      | ug/l      | ug/l      | ug/l    | ug/l         | ug/l       | ug/l     | ug/l          | ug/l  | ug/l        | ug/l    |
| NR140 Enforcement Standard (ES)     |                    |           |           | 480       | 5       | 700          |            |          | 2000          | 60    | 100         | 800     |
| NR140 Preventive Action Limit (PAL) |                    |           |           | 96        | 0.5     | 140          |            |          | 400           | 12    | 10          | 160     |
| <b>MW-6</b>                         | installed 5/6/13   |           |           |           |         |              |            |          |               |       |             |         |
|                                     | 5/14/2013          | 2430      | 781       | 3211      | 44.6    | 1280         |            |          | 6470          | 16.1J | 446         | 1810    |
|                                     | 12/3/2013          | 2050      | 661       | 2711      | 41.5    | 747          |            |          | 2490          | 10.7  | 282         | 557     |
|                                     | 4/15/2014          | 1080      | 336       | 1416      | 20.4    | 343          |            |          | 1280          | <9.7  | 103         | 430     |
|                                     | 1/20/2015          | 1650      | 514       | 2164      | 68.9    | 925          |            |          | 3720          | <9.7  | 258         | 2060    |
|                                     | 4/28/2015          | 1440      | 472       | 1912      | 15      | 492          |            |          | 1990          | 21.3  | 185         | 509     |
|                                     | 7/29/2015          | 1540      | 550       | 2090      | 15.8    | 397          |            |          | 1770          | 18.8  | 177         | 475     |
|                                     | 12/8/2015          | 1470      | 469       | 1939      | 43.3    | 726          |            |          | 2500          | 8.4   | 229         | 912     |
|                                     | 3/31/2016          | 1160      | 400       | 1560      | 9.9     | 287          |            |          | 1050          | 7.1   | 117         | 245     |
|                                     | 6/7/2016           | 1080      | 402       | 1482      | 13.3    | 261          |            |          | 957           | 9.9   | 106         | 261     |
|                                     | 7/24/2017          | 1400      | 523       | 1923      | 8.3     | 334          |            |          | 1260          | <9.7  | 160         | 224     |
|                                     | 10/23/2017         | 1830      | 635       | 2465      | 53.2    | 848          |            |          | 3530          | 12    | 305         | 1370    |
|                                     | 6/25/2018          | 1850      | 730       | 2580      | 7.5J    | 319          |            |          | 1370          | <6.4  | 234         | 296     |
|                                     | 10/17/2018         | 825       | 346       | 1171      | 4.8J    | <3.3         |            |          | 705           | 7.2J  | 88.1        | 67.6    |
|                                     | 6/18/2019          | 999       | 342       | 1341      | <6.2    | 312          | 1040       | 265      | 1305          | <31.1 | 118J        | 274     |
|                                     | 9/24/2019          | 1470      | 780       | 2250      | 2.9J    | 219          | 887        | 207      | 1094          | <12.5 | 84.6        | 167     |
| <b>MW-7</b>                         | installed 5/7/13   |           |           |           |         |              |            |          |               |       |             |         |
|                                     | 5/14/2013          | 275       | 147       | 422       | 26.8    | 92.3         |            |          | 135           | 6.7J  | 41.4        | 29.2    |
|                                     | 12/3/2013          | 116       | 33.4      | 149.4     | 18.8    | 85.6         |            |          | 131           | 6.7   | 33.2        | 19.7    |
|                                     | 4/15/2014          | 80.7      | 30.9      | 111.6     | 12.4    | 53.4         |            |          | 69.8          | 9.3   | 19.8        | 13.5    |
|                                     | 1/20/2015          | 256       | 81.7      | 337.7     | 15.6    | 211          |            |          | 443           | 6.9   | 80.7        | 34.3    |
|                                     | 4/28/2015          | 206       | 62.7      | 268.7     | 5.4     | 133          |            |          | 275           | 16.3  | 59          | 14      |
|                                     | 7/29/2015          | 133       | 32.3      | 165.3     | 3.7     | 72.2         |            |          | 118           | 14.5  | 38.6        | 5.6     |
|                                     | 12/8/2015          | 115       | 36.5      | 151.5     | 3.6     | 45.8         |            |          | 75.5          | 7.6   | 24.1        | 4.1     |
|                                     | 3/31/2016          | 95.3      | 27.5      | 122.8     | 11.7    | 58.4         |            |          | 74.2          | 5.3   | 28.4        | 9.2     |
|                                     | 6/7/2016           | 121       | 33.7      | 154.7     | 14.3    | 116          |            |          | 168           | 8.1   | 52.7        | 17.5    |
|                                     | 7/24/2017          | 299       | 85.9      | 384.9     | 32.1    | 238          |            |          | 431           | 10.2  | 103         | 69.5    |
|                                     | 10/23/2017         | 175       | 48.3      | 223.3     | 6.5     | 125          |            |          | 173           | 3.6   | 48.5        | 20.9    |
|                                     | 6/25/2018          | 64.6      | 20.6      | 85.2      | <3.1    | 34.4         |            |          | 39            | 4.7   | 18.8        | 3.1     |
|                                     | 10/17/2018         | 78.5      | 28.7      | 107.2     | 1.1     | 20.7         |            |          | 25.5          | 4.1   | 12.7        | 1.0J    |
|                                     | 6/18/2019          | 40.9      | 20.8      | 61.7      | <2.5    | 5.1          | 8.6        | 4        | 12.6          | <1.2  | 3.6J        | .47J    |
|                                     | 9/24/2019          | 3         | 2.1J      | 5.1J      | <2.5    | 1.5          | 2.1        | <2.6     | 2.1           | <1.2  | 1.6J        | <1.7    |
| <b>MW-8A</b>                        | installed 10/28/13 |           |           |           |         |              |            |          |               |       |             |         |
|                                     | 12/3/2013          | <.33      | <.36      | <.69      | <.34    | <.34         |            |          | <1            | <.37  | <.37        | <.34    |
|                                     | 4/15/2014          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | 3.4   | <.42        | <.39    |
|                                     | 1/20/2015          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 4/28/2015          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | 4.1   | <.42        | <.39    |
|                                     | 7/29/2015          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | 0.96  | <.42        | <.39    |
|                                     | 6/7/2016           | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 7/24/2017          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 10/23/2017         | <.42      | <.42      | <.84      | <.4     | .43J         |            |          | <1.2          | .85J  | <.42        | <.39    |
|                                     | 6/25/2018          | <.34      | <.33      | <.67      | 4.6     | .33J         |            |          | <.97          | 1.4   | 1.2J        | <.49    |
|                                     | 10/17/2018         | <.34      | <.33      | <.67      | 1.3     | <.33         |            |          | <.97          | .05J  | <.51        | <.49    |
|                                     | 6/18/2019          | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                     | 9/24/2019          | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-8B</b>                        | installed 10/28/13 |           |           |           |         |              |            |          |               |       |             |         |
|                                     | 12/3/2013          | <.33      | <.36      | <.36      | <.34    | <.34         |            |          | <1            | <.37  | <.37        | <.34    |
|                                     | 4/15/2014          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 1/20/2015          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 4/28/2015          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 7/29/2015          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 6/7/2016           | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 7/24/2017          | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 10/23/2017         | <.42      | <.42      | <.84      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 6/25/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                     | 10/17/2018         | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                     | 6/18/2019          | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                     | 9/24/2019          | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-8C</b>                        | installed 7/10/17  |           |           |           |         |              |            |          |               |       |             |         |
|                                     | 7/24/2017          | <.42      | <.42      | <.84      | 3.3     | <.39         |            |          | <1.2          | 1.1   | <.42        | <.39    |
|                                     | 10/23/2017         | <.42      | <.42      | <.84      | 4       | <.39         |            |          | <1.2          | .68J  | <.42        | <.39    |
|                                     | 6/25/2018          | <.34      | <.34      | <.67      | <.31    | <.33         |            |          | <.97          | .43J  | <.51        | <.49    |
|                                     | 10/17/2018         | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                     | 6/18/2019          | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                     | 9/24/2019          | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-9A</b>                        | installed 10/28/13 |           |           |           |         |              |            |          |               |       |             |         |
|                                     | 12/3/2013          | <.33      | <.36      | <.36      | 1.9     | <.34         |            |          | <1            | 1.7   | <.37        | <.34    |
|                                     | 4/15/2014          | <.42      | <.42      | <.84      | 4       | 0.97         |            |          | <1.2          | 2     | <.42        | <.39    |
|                                     | 1/20/2015          | 391       | 152       | 543       | 129     | 420          |            |          | 491           | 4.3   | 160         | 268     |
|                                     | 4/28/2015          | 51.8      | 28.4      | 80.2      | 48.6    | 112          |            |          | 67            | 7.2   | 54.3        | 17.9    |
|                                     | 7/29/2015          | <.42      | <.42      | <.84      | 6       | 6            |            |          | <1.2          | 4.8   | 0.58        | 0.76    |
|                                     | 12/8/2015          | <.42      | <.42      | <.84      | 0.74    | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
|                                     | 3/31/2016          | <.42      | <.42      | <.84      | 0.95    | <.39         |            |          | <1.2          | 0.49  | <.42        | <.39    |
|                                     | 6/7/2016           | 159       | 48.8      | 207.8     | 21      | 131          |            |          | 123           | 2.2   | 54.4        | 49.2    |
|                                     | 7/24/2017          | 1080      | 340       | 1420      | 108     | 853          |            |          | 2150          | 6.4   | 289         | 850     |
|                                     | 10/23/2017         | 9.6       | 0.64      | 10.24     | 9.9     | 43.8         |            |          | 18.8          | 0.63  | 12.6        | 10.7    |
|                                     | 6/25/2018          | <.34      | <.34      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                     | 10/17/2018         | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                     | 6/18/2019          | 2.9       | <.87      | 2.9       | <.25    | 1            | 1.3J       | <.26     | 1.3J          | <1.2  | <1.2        | .46J    |
|                                     | 9/24/2019          | <.84      | <.87      | <1.71     | <.25    | .47J         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |

BOLD exceeds NR140ES  
*Italics* exceeds NR140PAL

**Table 1: Ground Water Analytical Data**

Jim's Bar/Jump River

| Well                                | Date               | 1,2,4-TMB | 1,3,5-TMB | Total TMB    | Benzene     | Ethylbenzene | m&p-xylene  | o-xylene    | Total Xylenes | MTBE        | Naphthalene | Toluene     |
|-------------------------------------|--------------------|-----------|-----------|--------------|-------------|--------------|-------------|-------------|---------------|-------------|-------------|-------------|
| Units                               |                    | ug/l      | ug/l      | ug/l         | ug/l        | ug/l         | ug/l        | ug/l        | ug/l          | ug/l        | ug/l        | ug/l        |
| NR140 Enforcement Standard (ES)     |                    |           |           | 480          | 5           | 700          |             |             | 2000          | 60          | 100         | 800         |
| NR140 Preventive Action Limit (PAL) |                    |           |           | 96           | 0.5         | 140          |             |             | 400           | 12          | 10          | 160         |
| <b>MW-9B</b>                        | installed 10/28/13 |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 12/3/2013          | <.36      | <.36      | <.36         | 2.7         | <.34         |             |             | <1            | <.37        | 1.1         | <.34        |
|                                     | 4/15/2014          | <.42      | <.42      | <.42         | 2.1         | <.39         |             |             | <1.2          | 0.56        | <.42        | <.39        |
|                                     | 1/20/2015          | <.42      | <.42      | <.42         | <b>8.5</b>  | <.39         |             |             | <1.2          | 0.7         | <.42        | <.39        |
|                                     | 4/28/2015          | <.42      | <.42      | <.42         | 1.7         | <.39         |             |             | <1.2          | 0.58        | <.42        | <.39        |
|                                     | 7/29/2015          | <.42      | 0.48      | 0.48         | <b>36.5</b> | 69.7         |             |             | 2.3           | 6.9         | 7.4         | 1.8         |
|                                     | 12/8/2015          | <.42      | <.42      | <.42         | 0.67        | <.39         |             |             | <1.2          | 0.5         | 0.46        | <.39        |
|                                     | 3/31/2016          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 6/7/2016           | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/24/2017          | 206       | 81.1      | <b>287.1</b> | <b>36.9</b> | <b>318</b>   |             |             | 701           | 5.7         | <b>63.4</b> | <b>214</b>  |
|                                     | 10/23/2017         | 172       | 102       | <b>274</b>   | <b>83</b>   | <b>545</b>   |             |             | 587           | 3.9         | <b>127</b>  | <b>251</b>  |
|                                     | 6/25/2018          | <.34      | <.33      | <.34         | 3.5         | 4.5          |             |             | 1.2J          | 2.5         | <b>.51J</b> | <b>.85J</b> |
|                                     | 10/17/2018         | <.34      | <.33      | <.67         | 1.4         | <b>.47J</b>  |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 6/19/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/24/2019          | <.84      | <.87      | <1.71        | 7           | 6.9          | <b>.68J</b> | <b>.74J</b> | 1.42J         | <.12        | <.12        | 1.3J        |
| <b>MW-10A</b>                       | installed 12/30/14 |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 1/20/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 4/28/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/29/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 6/7/2016           | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/24/2017          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 10/23/2017         | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 6/25/2018          | <.34      | <.34      | <.34         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 10/17/2018         | <.34      | <.33      | <.67         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 6/19/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/25/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
| <b>MW-10B</b>                       | installed 12/29/14 |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 1/20/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 4/28/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/29/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 6/7/2016           | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/24/2017          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 10/23/2017         | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 6/25/2018          | <.34      | <.34      | <.34         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 10/17/2018         | <.34      | <.33      | <.67         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 6/19/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/25/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
| <b>MW-11</b>                        | installed 4/20/15  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 4/28/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/29/2015          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 6/7/2016           | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 7/24/2017          | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 10/23/2017         | <.42      | <.42      | <.42         | <.4         | <.39         |             |             | <1.2          | <.48        | <.42        | <.39        |
|                                     | 10/17/2018         | <.34      | <.33      | <.67         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 6/19/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/25/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
| <b>MW-12A</b>                       | installed 5/17/18  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 6/25/2018          | 2440      | 746       | <b>3186</b>  | 43.3        | <b>1830</b>  |             |             | <b>6890</b>   | 8.9J        | <b>502</b>  | <b>1330</b> |
|                                     | 10/17/2018         | 1950      | 591       | <b>2541</b>  | 29.7        | <b>1620</b>  |             |             | <b>5600</b>   | <8          | <b>418</b>  | <b>963</b>  |
|                                     | 6/18/2019          | 1210      | 360       | <b>1570</b>  | 36.1        | <b>1140</b>  | 3770        | 320         | <b>4090</b>   | <31.1       | <b>275</b>  | <b>907</b>  |
|                                     | 9/25/2019          | 1730      | 537       | <b>2267</b>  | <b>44.8</b> | <b>1740</b>  | <b>5630</b> | <b>239</b>  | <b>5869</b>   | <1.2        | <b>404J</b> | <b>803</b>  |
| <b>MW-12B</b>                       | installed 5/17/18  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 6/25/2018          | 1510      | 485       | <b>1995</b>  | 139         | <b>501</b>   |             |             | <b>2660</b>   | 7.1J        | <b>197</b>  | <b>163</b>  |
|                                     | 10/17/2018         | 80.3      | 43.4      | <b>123.7</b> | <b>124</b>  | <b>28.8</b>  |             |             | <b>93.8</b>   | 2.9         | <b>15</b>   | <b>6.4</b>  |
|                                     | 6/18/2019          | <.84      | 6.3       | 6.3          | <b>53.4</b> | <.22         | 2.9         | <b>34J</b>  | 3.24          | <.12        | <b>1.4J</b> | <b>35J</b>  |
|                                     | 9/25/2019          | <.84      | <.87      | <1.71        | <b>78.1</b> | <b>.69J</b>  | 1.2J        | <.26        | 1.2J          | <.12        | <b>3.2J</b> | <b>.63J</b> |
| <b>MW-12C</b>                       | installed 5/16/18  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 6/25/2018          | 100       | 38        | <b>138</b>   | <b>23.1</b> | <b>53.6</b>  |             |             | <b>93.7</b>   | <b>.87J</b> | <b>19.2</b> | <b>7.1</b>  |
|                                     | 10/17/2018         | 15.9      | 21.8      | <b>37.7</b>  | <b>20.4</b> | <b>33.6</b>  |             |             | <b>36.8</b>   | <b>.67J</b> | <b>11.5</b> | <b>5.3</b>  |
|                                     | 6/18/2019          | <.84      | <.87      | <1.71        | 1.3         | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/25/2019          | <.84      | <.87      | <1.71        | <b>.56J</b> | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
| <b>MW-13</b>                        | installed 5/18/18  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 6/25/2018          | 1030      | 343       | <b>1373</b>  | 5.7J        | 108          |             |             | <b>283</b>    | <b>18.3</b> | <b>90.3</b> | <b>9.5J</b> |
|                                     | 10/17/2018         | 58.8      | 25.4      | <b>84.2</b>  | <b>1.9J</b> | 5.5          |             |             | 13.2          | 3.8         | 4.5         | <.98        |
|                                     | 6/19/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/25/2019          | 29.7      | 4.3       | <b>34</b>    | 1.7         | 2.1          | 4.7         | <.26        | 4.7           | <.12        | <b>1.9J</b> | <.17        |
| <b>MW-14</b>                        | installed 5/22/18  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 6/25/2018          | 2500      | 832       | <b>3332</b>  | <6.1        | <b>268</b>   |             |             | <b>1290</b>   | <6.4        | <b>278</b>  | <9.8        |
|                                     | 10/17/2018         | 636       | 208       | <b>844</b>   | <3.1        | <b>116</b>   |             |             | <b>387</b>    | <3.2        | <b>104</b>  | <4.9        |
|                                     | 6/19/2019          | 255       | 92.7      | <b>347.7</b> | <.25        | <b>39.3</b>  | 61.9        | 11.1        | 73            | <.12        | <b>46.7</b> | <b>.41J</b> |
|                                     | 9/25/2019          | 174       | 70        | <b>244</b>   | <b>.85J</b> | <b>26.2</b>  | 48.9        | 5.4         | 54.3          | <2.5        | <b>25.5</b> | <b>.49J</b> |
| <b>MW-15</b>                        | installed 5/22/18  |           |           |              |             |              |             |             |               |             |             |             |
|                                     | 6/25/2018          | <.34      | <.34      | <.34         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 10/17/2018         | <.34      | <.33      | <.67         | <.31        | <.33         |             |             | <.97          | <.32        | <.51        | <.49        |
|                                     | 6/19/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |
|                                     | 9/25/2019          | <.84      | <.87      | <1.71        | <.25        | <.22         | <.47        | <.26        | <.73          | <.12        | <.12        | <.17        |

BOLD exceeds NR140ES  
*Italics* exceeds NR140PAL



**Table 1: Ground Water Analytical Data**  
 Jim's Bar/Jump River

| Well                                 | Date                | 1,2,4-TMB | 1,3,5-TMB | Total TMB | Benzene | Ethylbenzene | m&p-xylene | o-xylene | Total Xylenes | MTBE  | Naphthalene | Toluene |
|--------------------------------------|---------------------|-----------|-----------|-----------|---------|--------------|------------|----------|---------------|-------|-------------|---------|
| Units                                |                     | ug/l      | ug/l      | ug/l      | ug/l    | ug/l         | ug/l       | ug/l     | ug/l          | ug/l  | ug/l        | ug/l    |
| NR140 Enforcement Standard (ES)      |                     |           |           | 480       | 5       | 700          |            |          | 2000          | 60    | 100         | 800     |
| NR140 Preventive Action Limit (PAL)  |                     |           |           | 96        | 0.5     | 140          |            |          | 400           | 12    | 10          | 160     |
| <b>MW-16A</b>                        | installed 6/11/18   |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 6/25/2018           | <.34      | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 10/17/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-16B</b>                        | installed 6/11/18   |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 6/25/2018           | <.34      | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 10/17/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-17A</b>                        | installed 6/12/18   |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 6/25/2018           | <.34      | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 10/17/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-17B</b>                        | installed 6/12/18   |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 6/25/2018           | <.34      | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 10/17/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-18A</b>                        | installed 8/29/2018 |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | .72J      | <.33      | .72J      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-18B</b>                        | installed 8/29/2018 |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-18C</b>                        | installed 8/30/2018 |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>M1-19A</b>                        | installed 9/5/2018  |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-19B</b>                        | installed 9/4/2018  |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-19C</b>                        | installed 8/31/2018 |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-20</b>                         | installed 9/5/2018  |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/2018          | <.34      | <.33      | <.67      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>MW-21</b>                         | installed 9/6/2018  |           |           |           |         |              |            |          |               |       |             |         |
|                                      | 10/18/118           | <.34      | <.33      | <.67      | 1.6     | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|                                      | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
|                                      | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| <b>Private Well Sampling Results</b> |                     |           |           |           |         |              |            |          |               |       |             |         |
| <b>Bar (onsite well)</b>             |                     |           |           |           |         |              |            |          |               |       |             |         |
| (basement)                           | 10/14/2011          | <.4       | <.44      | <.44      | <.31    | <.5          | <.62       | <.77     | <.77          | <.3   | <.2         | <.37    |
| (outside)                            | 6/23/2012           | <.05      | <.086     | <.086     | <.047   | <.078        | <.15       | <.12     | <.27          | <.048 | <.11        | <.065   |
| men's                                | 5/14/2013           | <.43      | <.4       | <.43      | <.39    | <.41         |            |          | <.13          | <.38  | <.4         | <.42    |
| men's                                | 12/3/2013           | <.33      | <.36      | <.36      | <.34    | <.34         |            |          | <.1           | <.37  | <.37        | <.34    |
| men's                                | 4/15/2014           | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 1/20/2015           | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 4/28/2015           | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 7/29/2015           | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 12/8/2015           | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 6/7/2016            | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 7/24/2017           | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 10/23/2017          | <.42      | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48  | <.42        | <.39    |
| men's                                | 6/25/2018           | <.34      | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
| men's                                | 10/18/2018          | <.23      | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | <.17  | <.18        | <.076   |
| men's                                | 6/19/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |
| men's                                | 9/25/2019           | <.84      | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2  | <1.2        | <.17    |

**BOLD** exceeds NR140ES  
*Italics* exceeds NR140PAL

**Table 1: Ground Water Analytical Data**

Jim's Bar/Jump River

| Well   | Date       | 1,2,4-TMB  | 1,3,5-TMB | Total TMB | Benzene | Ethylbenzene | m&p-xylene | o-xylene | Total Xylenes | MTBE  | Naphthalene | Toluene |
|--|------------|--|-----------|-----------|---------|--------------|------------|----------|---------------|-------|-------------|---------|
| Units  |            | ug/l   | ug/l      | ug/l      | ug/l    | ug/l         | ug/l       | ug/l     | ug/l          | ug/l  | ug/l        | ug/l    |
| NR140 Enforcement Standard (ES)                            |            |  |           | 480       | 5       | 700          |            |          | 2000          | 60    | 100         | 800     |
| NR140 Preventive Action Limit (PAL)                        |            |  |           | 96        | 0.5     | 140          |            |          | 400           | 12    | 10          | 160     |
| <b>Lyne (14767 Hwy. 73)</b>                                |            |  |           |           |         |              |            |          |               |       |             |         |
|  | 6/23/2012  | <.05   | <.086     | <.086     | <.047   | <.078        | <.15       | <.12     | <.27          | <.048 | <.11        | <.065   |
|  | 5/14/2013  | <.43   | <.4       | <.43      | <.39    | <.41         |            |          | <.13          | <.38  | <.4         | <.42    |
|  | 12/3/2013  | <.33   | <.36      | <.36      | <.34    | <.34         |            |          | <.1           | <.37  | <.37        | <.34    |
|  | 4/15/2014  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 1/20/2015  | Permission denied                                      |           |           |         |              |            |          |               |       |             |         |
|  | 4/28/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/29/2015  | Permission denied                                      |           |           |         |              |            |          |               |       |             |         |
| <b>8910 Elm (Mason)</b>                                    |            |  |           |           |         |              |            |          |               |       |             |         |
|  | 6/23/2012  | <.05   | <.086     | <.086     | .075J   | <.078        | <.15       | <.12     | <.27          | .18J  | <.11        | <.065   |
|  | 5/14/2013  | <.43   | <.4       | <.43      | <.39    | <.41         |            |          | <.13          | <.38  | <.4         | <.42    |
|  | 12/3/2013  | <.33   | <.36      | <.36      | <.34    | <.34         |            |          | <.1           | <.37  | <.37        | <.34    |
|  | 4/15/2014  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 2/2/2015   | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 4/28/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/29/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | 2       |
|  | 12/8/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 6/7/2016   | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/24/2017  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 10/23/2017 | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 6/25/2018  | <.34   | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|  | 10/18/2018 | <.23   | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | <.17  | <.18        | <.078   |
|  | 6/19/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |
|  | 9/25/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |
| <b>14789 State Hwy. 73 (Keepers)</b>                       |            |  |           |           |         |              |            |          |               |       |             |         |
| old well   | 6/23/2012  | <.05   | <.086     | <.136     | 6       | <.078        | <.15       | <.12     | <.27          | 1.6   | <.11        | <.065   |
| old well   | 5/14/2013  | <.43   | <.4       | <.83      | 5.7     | <.41         |            |          | <.13          | 1.3   | <.4         | <.42    |
| old well   | 12/3/2013  | <.33   | <.36      | <.69      | 0.4     | <.34         |            |          | <.1           | 1     | <.37        | <.34    |
| old well   | 4/15/2014  | <.42   | <.42      | <.84      | <.4     | <.39         |            |          | <.12          | 0.99  | <.42        | <.39    |
| old well   | 1/20/2015  | <.42   | <.42      | <.84      | 4.7     | <.39         |            |          | <.12          | 0.99  | <.42        | <.39    |
| old well   | 2/2/2015   | <.42   | <.42      | <.84      | 5.2     | <.39         |            |          | <.12          | 1     | <.42        | <.39    |
| old well   | 4/28/2015  | <.42   | <.42      | <.84      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
| old well   | 7/29/2015  | <.42   | <.42      | <.84      | 3.3     | <.39         |            |          | <.12          | 1.1   | <.42        | <.39    |
| old well   | 12/1/2015  | <.42   | <.42      | <.84      | 5.2     | <.39         |            |          | <.12          | 1.3   | <.42        | <.39    |
| old well   | 6/7/2016   | <.42   | <.42      | <.84      | 5.9     | <.39         |            |          | <.12          | 1.1   | <.42        | <.39    |
| old well   | 7/24/2017  | <.42   | <.42      | <.84      | 35.5    | <.39         |            |          | <.12          | 1.3   | <.42        | <.39    |
| old well   | 10/23/2017 | <.42   | <.42      | <.84      | 4       | <.39         |            |          | <.12          | 1.1   | <.42        | <.39    |
| old well   | 6/25/2018  | <.34   | <.34      | <.68      | <.31    | <.33         |            |          | <.97          | .88J  | <.51        | <.49    |
|  | 8/8/2018   | Installed replacement well - connected October 3, 2018 |           |           |         |              |            |          |               |       |             |         |
| new well   | 8/8/2018   | <.23   | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | .27J  | <.18        | <.078   |
| new well   | 10/18/2018 | <.23   | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | .28J  | <.18        | <.078   |
| new well   | 6/19/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |
| new well   | 9/25/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |
| <b>14810 Hwy. 73 (cabin north of store - owner Gasior)</b> |            |  |           |           |         |              |            |          |               |       |             |         |
|  | 4/28/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/29/2015  | unavailable due to occupancy                           |           |           |         |              |            |          |               |       |             |         |
|  | 6/7/2016   | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
| <b>14778 River Street (Milam)</b>                          |            |  |           |           |         |              |            |          |               |       |             |         |
|  | 5/14/2013  | <.57   | <2.5      | <2.5      | <.5     | <.5          | <.82       | <.5      | <.82          | <.49  | <2.5        | <.44    |
|  | 12/3/2013  | No one home  |           |           |         |              |            |          |               |       |             |         |
|  | 4/15/2014  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 1/20/2015  | No one home  |           |           |         |              |            |          |               |       |             |         |
|  | 4/28/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/29/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 10/18/2018 | <.23   | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | <.17  | <.18        | <.078   |
|  | 6/19/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |
| <b>Community Center</b>                                    |            |  |           |           |         |              |            |          |               |       |             |         |
|  | 5/14/2013  | <.57   | <2.5      | <2.5      | <.5     | <.5          | <.82       | <.5      | <.82          | <.49  | <2.5        | <.44    |
|  | 12/3/2013  | <.33   | <.36      | <.36      | <.34    | <.34         |            |          | <.1           | <.37  | <.37        | <.34    |
|  | 4/15/2014  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 1/20/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 4/28/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/29/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 12/8/2015  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 6/7/2016   | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 7/24/2017  | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 10/23/2017 | <.42   | <.42      | <.42      | <.4     | <.39         |            |          | <.12          | <.48  | <.42        | <.39    |
|  | 6/25/2018  | <.34   | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32  | <.51        | <.49    |
|  | 6/19/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |
|  | 9/25/2019  | <.84   | <.87      | <.1.71    | <.25    | <.22         | <.47       | <.26     | <.73          | <.12  | <.12        | <.17    |

**BOLD** exceeds NR140ES  
*Italics* exceeds NR140PAL



**Table 1: Ground Water Analytical Data**

Jim's Bar/Jump River

| Well  | Date       | 1,2,4-TMB           | 1,3,5-TMB | Total TMB | Benzene | Ethylbenzene | m&p-xylene | o-xylene | Total Xylenes | MTBE | Naphthalene | Toluene |
|---|------------|---------------------|-----------|-----------|---------|--------------|------------|----------|---------------|------|-------------|---------|
| Units   |            | ug/l                | ug/l      | ug/l      | ug/l    | ug/l         | ug/l       | ug/l     | ug/l          | ug/l | ug/l        | ug/l    |
| NR140 Enforcement Standard (ES)                   |            |                     |           | 480       | 5       | 700          |            |          | 2000          | 60   | 100         | 800     |
| NR140 Preventive Action Limit (PAL)               |            |                     |           | 96        | 0.5     | 140          |            |          | 400           | 12   | 10          | 160     |
| <b>8887 Bridge St.</b>                            |            |                     |           |           |         |              |            |          |               |      |             |         |
|   | 5/14/2013  | <.57                | <2.5      | <2.5      | <.5     | <.5          | <.82       | <.5      | <.82          | <.49 | <2.5        | <.44    |
|   | 12/3/2013  | <.33                | <.36      | <.36      | <.34    | <.34         |            |          | <.1           | <.37 | <.37        | <.34    |
|   | 4/15/2014  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 0.55 | <.42        | <.39    |
|   | 1/20/2015  | Not sampled         |           |           |         |              |            |          |               |      |             |         |
|   | 4/28/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 7/29/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 7/24/2017  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 10/23/2017 | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 6/25/2018  | <.34                | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | <.32 | <.51        | <.49    |
|   | 10/18/2018 | <.23                | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | .33J | <.18        | <.078   |
|   | 6/19/2019  | <.84                | <.87      | <1.71     | <.25    | .23J         | 1.1J       | .34J     | 1.44J         | <1.2 | <1.2        | <.17    |
|   | 9/25/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| <b>8890 Bridge St. (McVicker)</b>                 |            |                     |           |           |         |              |            |          |               |      |             |         |
|   | 5/14/2013  | <.57                | <2.5      | <2.5      | <.5     | <.5          | <.82       | <.5      | <.82          | .71J | <2.5        | <.44    |
|   | 12/3/2013  | <.33                | <.36      | <.36      | <.34    | <.34         |            |          | <.1           | 0.97 | <.37        | <.34    |
|   | 4/15/2014  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 1/20/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 1    | <.42        | <.39    |
|   | 4/28/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 0.99 | <.42        | <.39    |
|   | 7/29/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 1.2  | <.42        | <.39    |
|   | 12/8/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 6/7/2016   | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 1    | <.42        | <.39    |
|   | 7/24/2017  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | .77J | <.42        | <.39    |
|   | 10/23/2017 | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | .76J | <.42        | <.39    |
|   | 6/25/2018  | <.34                | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | .72J | <.51        | <.49    |
|   | 10/18/2018 | <.23                | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | 0.74 | <.18        | <.078   |
|   | 6/19/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
|   | 9/25/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| <b>8891 Bridge St (Northwoods Country Store)</b>  |            |                     |           |           |         |              |            |          |               |      |             |         |
| Outside   | 12/3/2013  | <.33                | <.36      | <.36      | 2       | <.34         |            |          | <.1           | 1.4  | <.37        | 0.42    |
| Outside   | 4/15/2014  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 1.6  | <.42        | <.39    |
| Outside   | 1/20/2015  | <.42                | <.42      | <.42      | 35.6    | 1.2          |            |          | <1.2          | 2.1  | <.42        | <.39    |
| Inside  | 2/2/2015   | <.42                | <.42      | <.42      | 32      | 1.2          |            |          | <1.2          | 2.4  | <.42        | <.39    |
| Outside   | 2/2/2015   | <.42                | <.42      | <.42      | 28.7    | 1.2          |            |          | <1.2          | 2.1  | <.42        | <.39    |
| Outside   | 2/23/2015  | <.42                | <.42      | <.42      | 21.5    | 1.4          |            |          | <1.2          | 2.1  | <.42        | <.39    |
| Treated   | 2/23/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Treated   | 4/28/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Outside   | 4/28/2015  | <.42                | <.42      | <.42      | 23.9    | 1.4          |            |          | <1.2          | 2.1  | <.42        | <.39    |
| Outside   | 7/29/2015  | <.42                | <.42      | <.42      | 5.4     | 0.69         |            |          | <1.2          | 2.6  | <.42        | <.39    |
| Treated   | 7/29/2015  | <.42                | <.42      | <.42      | 0.66    | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Outside   | 12/8/2015  | <.42                | <.42      | <.42      | 4.2     | 0.64         |            |          | <1.2          | 2.7  | <.42        | <.39    |
| Treated   | 12/8/2015  | Not sampled per DNR |           |           |         |              |            |          |               |      |             |         |
| Outside   | 3/31/2016  | <.42                | <.42      | <.42      | 1.5     | 0.7          |            |          | <1.2          | 2.1  | <.42        | <.39    |
| Treated   | 3/31/2016  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Outside   | 6/7/2016   | <.42                | <.42      | <.42      | 0.49    | <.39         |            |          | <1.2          | 2    | <.42        | <.39    |
| Treated   | 6/7/2016   | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Outside   | 7/24/2017  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | 1.2  | <.42        | <.39    |
| Treated   | 7/24/2017  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Outside   | 10/23/2017 | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | .86J | <.42        | <.39    |
| Treated   | 10/23/2017 | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
| Outside   | 6/25/2018  | <.34                | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | .39J | <.51        | <.49    |
| Treated   | 6/25/2018  | <.34                | <.34      | <.34      | <.31    | <.33         |            |          | <.97          | 1.1  | <.51        | <.49    |
| Outside   | 10/18/2018 | <.23                | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | 0.85 | <.18        | <.078   |
| Treated   | 10/18/2018 | <.23                | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | <.17 | <.18        | <.078   |
| Outside   | 4/9/2019   | <.84                | <.87      | <1.71     | 2.8     | .65J         |            |          | <.73          | 1.4J | <1.2        | <.17    |
| Outside   | 5/1/2019   | <.84                | <.87      | <1.71     | 3.2     | .73J         |            |          | <.73          | <1.2 | <1.2        | <.17    |
| Treated   | 6/19/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| Outside   | 6/19/2019  | <.84                | <.87      | <1.71     | 5.1     | .58J         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| Outside   | 7/12/2019  | <.84                | <.87      | <1.71     | 3       | .57J         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| Outside   | 9/25/2019  | <.84                | <.87      | <1.71     | 3.6     | .49J         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| Treated   | 9/25/2019  | <.84                | <.87      | <1.71     | .3J     | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| <b>8897 Birch Drive (grab sample with bailer)</b> |            |                     |           |           |         |              |            |          |               |      |             |         |
|   | 4/28/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 12/8/2015  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 7/24/2017  | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 10/23/2017 | <.42                | <.42      | <.42      | <.4     | <.39         |            |          | <1.2          | <.48 | <.42        | <.39    |
|   | 10/18/2018 | <.23                | <.15      | <.38      | <.12    | <.11         |            |          | <.3           | <.17 | <.18        | <.078   |
|   | 6/19/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
|   | 9/25/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
| <b>8903 Birch (Heath)</b>                         |            |                     |           |           |         |              |            |          |               |      |             |         |
|   | 6/19/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |
|   | 9/25/2019  | <.84                | <.87      | <1.71     | <.25    | <.22         | <.47       | <.26     | <.73          | <1.2 | <1.2        | <.17    |

BOLD exceeds NR140ES  
*Italics* exceeds NR140PAL

**Table 2: Ground Water Level Measurements**

Jim and Cindy's Bar  
 Jump River, Wisconsin  
 Meridian No. 05F781

| <b>MW-1 (installed 10/11/11)</b> |  |                | <b>MW-2 (installed 10/11/11)</b> |          |                | <b>MW-3 (installed 10/11/11)</b> |          |                |
|----------------------------------|--|----------------|----------------------------------|----------|----------------|----------------------------------|----------|----------------|
| Surface Elevation (ft)           |  | 100.25         | Surface Elevation (ft)           |          | 100.25         | Surface Elevation (ft)           |          | 100.75         |
| Top of Casing elevation (ft)     |  | 100            | Top of Casing elevation (ft)     |          | 100.01         | Top of Casing elevation (ft)     |          | 100.54         |
| Top of Screen Elevation (ft)     |  | 84             | Top of Screen Elevation (ft)     |          | 84             | Top of Screen Elevation (ft)     |          | 84.5           |
| Bottom of Screen Elevation (ft)  |  | 74             | Bottom of Screen Elevation (ft)  |          | 74             | Bottom of Screen Elevation (ft)  |          | 74.5           |
| Measurement Date                 | DTW (ft)   | GW Elev (ft)   | Measurement Date                 | DTW (ft) | GW Elev (ft)   | Measurement Date                 | DTW (ft) | GW Elev (ft)   |
| 10/14/2011                       | 17.05  | 82.95          | 10/14/2011                       | 16.98    | 83.03          | 10/14/2011                       | 17.6     | 82.94          |
| 10/28/2011                       | 17.2   | 82.8           | 10/28/2011                       | 17.19    | 82.82          | 10/28/2011                       | 17.78    | 82.76          |
| 6/23/2012                        | 16.88  | 83.12          | 6/23/2012                        | 16.83    | 83.18          | 6/23/2012                        | 17.46    | 83.08          |
| 5/14/2013                        | 16.14  | 83.86          | 5/14/2013                        | 16.11    | 83.9           | 5/14/2013                        | 16.72    | 83.82          |
| 12/3/2013                        | NM   | NM             | 12/3/2013                        | 17.48    | 82.53          | 12/3/2013                        | 18.07    | 82.47          |
| <b>Resurvey April 15, 2014</b>   |  | <b>100</b>     |                                  |          | <b>100.01</b>  |                                  |          | <b>100.54</b>  |
| 4/15/2014                        | 16.16  | 83.84          | 4/15/2014                        | 16.19    | 83.82          | 4/15/2014                        | 16.78    | 83.76          |
| 1/20/2015                        | 16.21  | 83.79          | 1/20/2015                        | 16.17    | 83.84          | 1/20/2015                        | 16.78    | 83.76          |
| 4/28/2015                        | 16.45  | 83.55          | 4/28/2015                        | 16.42    | 83.59          | 4/28/2015                        | 17.02    | 83.52          |
| 7/29/2015                        | 16.6   | 83.4           | 7/29/2015                        | 16.57    | 83.44          | 7/29/2015                        | 17.15    | 83.39          |
| 12/8/2015                        | 16.9   | 83.1           | 12/8/2015                        | 16.87    | 83.14          | 12/8/2015                        | 17.46    | 83.08          |
| 3/31/2016                        | Flooded - pond   |                | 3/31/2016                        | 15.47    | 84.54          | 3/31/2016                        | 16.08    | 84.46          |
| <b>Resurvey June 7, 2016</b>     | <b>100 (6/7/16)( use 99.89 for future meas due to cut PVC)</b> |                |                                  |          | <b>99.95</b>   |                                  |          | <b>100.51</b>  |
| 6/7/2016                         | 15.77  | 84.23          | 6/7/2016                         | 15.72    | 84.23          | 6/7/2016                         | 16.31    | 84.2           |
| 7/24/2017                        | 15.3   | 84.59          | 7/24/2017                        | 15.29    | 84.66          | 7/24/2017                        | 15.91    | 84.6           |
| 10/23/2017                       | 16.98  | 82.91          | 10/23/2017                       | 16.95    | 83             | 10/23/2017                       | 17.6     | 82.91          |
| <b>Resurvey June 25, 2018</b>    |  | <b>1182.03</b> | <b>Resurvey June 25, 2018</b>    |          | <b>1182.12</b> | <b>Resurvey June 25, 2018</b>    |          | <b>1182.65</b> |
| 6/25/2018                        | 16.37  | 1165.66        | 6/25/2018                        | 16.44    | 1165.68        | 6/25/2018                        | 16.99    | 1165.66        |
| 10/17/2018                       | 17.01  | 1165.02        | 10/17/2018                       | 16.99    | 1165.13        | 10/17/2018                       | 17.65    | 1165           |
| 6/18/2019                        | 15.13  | 1166.9         | 6/18/2019                        | 15.09    | 1167.03        | 6/18/2019                        | 15.75    | 1166.9         |
| 9/24/2019                        | 15.8   | 1166.23        | 9/24/2019                        | 15.73    | 1166.39        | 9/24/2019                        | 16.43    | 1166.22        |

| <b>MW-4 (installed 10/11/11)</b> |          |              | <b>MW-5 (installed 5/6/13)</b>  |          |                | <b>MW-6 (installed 5/6/13)</b>  |          |                |
|----------------------------------|----------|--------------|---------------------------------|----------|----------------|---------------------------------|----------|----------------|
| Surface Elevation (ft)           |          | 100.75       | Surface Elevation (ft)          |          | 100.75         | Surface Elevation (ft)          |          | 100            |
| Top of Casing elevation (ft)     |          | 100.35       | Top of Casing elevation (ft)    |          | 100.5          | Top of Casing elevation (ft)    |          | 99.85          |
| Top of Screen Elevation (ft)     |          | 84.5         | Top of Screen Elevation (ft)    |          | 84.25          | Top of Screen Elevation (ft)    |          | 85             |
| Bottom of Screen Elevation (ft)  |          | 74.5         | Bottom of Screen Elevation (ft) |          | 74.25          | Bottom of Screen Elevation (ft) |          | 75             |
| Measurement Date                 | DTW (ft) | GW Elev (ft) | Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                | DTW (ft) | GW Elev (ft)   |
| 10/14/2011                       | 17.45    | 82.9         |                                 |          |                |                                 |          |                |
| 10/28/2011                       | 17.61    | 82.74        |                                 |          |                |                                 |          |                |
| 6/23/2012                        | 17.3     | 83.05        |                                 |          |                |                                 |          |                |
| 5/14/2013                        | 16.55    | 83.8         | 5/14/2013                       | 16.68    | 83.82          | 5/14/2013                       | 15.95    | 83.9           |
| Well abandoned 10/22/13          |          |              | 12/3/2013                       | 18.02    | 82.48          | 12/3/2013                       | 17.33    | 82.52          |
|                                  |          |              | <b>Resurvey April 15, 2014</b>  |          | <b>100.53</b>  |                                 |          | <b>99.86</b>   |
|                                  |          |              | 4/15/2014                       | 16.73    | 83.8           | 4/15/2014                       | 15.98    | 83.88          |
|                                  |          |              | 1/20/2015                       | SNOWPILE |                | 1/20/2015                       | 16.05    | 83.81          |
|                                  |          |              | 4/28/2015                       | 16.92    | 83.61          | 4/28/2015                       | 16.28    | 83.58          |
|                                  |          |              | 7/29/2015                       | 17.05    | 83.48          | 7/29/2015                       | 16.23    | 83.63          |
|                                  |          |              | 12/8/2015                       | 17.35    | 83.18          | 12/8/2015                       | 16.7     | 83.16          |
|                                  |          |              | 3/31/2016                       | 15.95    | 84.58          | 3/31/2016                       | 15.25    | 84.61          |
|                                  |          |              | <b>Resurvey June 7, 2016</b>    |          | <b>100.38</b>  | <b>Resurvey June 7, 2016</b>    |          | <b>99.81</b>   |
|                                  |          |              | 6/7/2016                        | 16.18    | 84.2           | 6/7/2016                        | 15.45    | 84.36          |
|                                  |          |              | 7/24/2017                       | 15.74    | 84.64          | 7/24/2017                       | 15.02    | 84.79          |
|                                  |          |              | 10/23/2017                      | 17.42    | 82.96          | 10/23/2017                      | 16.82    | 82.99          |
|                                  |          |              | <b>Resurvey June 25, 2018</b>   |          | <b>1182.56</b> | <b>Resurvey June 25, 2018</b>   |          | <b>1181.87</b> |
|                                  |          |              | 6/25/2018                       | 16.9     | 1165.66        | 6/25/2018                       | 16.02    | 1165.85        |
|                                  |          |              | 10/17/2018                      | 17.56    | 1165           | 10/17/2018                      | 16.73    | 1165.14        |
|                                  |          |              | 6/18/2019                       | 15.64    | 1166.92        | 6/18/2019                       | 14.93    | 1166.94        |
|                                  |          |              | 9/24/2019                       | 16.32    | 1166.24        | 9/24/2019                       | 15.15    | 1166.72        |



**Table 2: Ground Water Level Measurements**

Jim and Cindy's Bar  
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| <b>MW-7 (installed 5/7/13)</b>  |          |                | <b>MW-8A (installed 10/28/13)</b> |              |                | <b>MW-8B (installed 10/28/13)</b> |              |                |
|---------------------------------|----------|----------------|-----------------------------------|--------------|----------------|-----------------------------------|--------------|----------------|
| Surface Elevation (ft)          |          | 100.5          | Surface Elevation (ft)            |              | 99.75          | Surface Elevation (ft)            |              | 99.7           |
| Top of Casing elevation (ft)    |          | 100.14         | Top of Casing elevation (ft)      |              | 99.54          | Top of Casing elevation (ft)      |              | 99.49          |
| Top of Screen Elevation (ft)    |          | 86             | Top of Screen Elevation (ft)      |              | 84.75          | Top of Screen Elevation (ft)      |              | 64.7           |
| Bottom of Screen Elevation (ft) |          | 76             | Bottom of Screen Elevation (ft)   |              | 74.75          | Bottom of Screen Elevation (ft)   |              | 59.7           |
| Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                  | DTW (ft)     | GW Elev (ft)   | Measurement Date                  | DTW (ft)     | GW Elev (ft)   |
| 5/14/2013                       | 16.3     | 83.84          |                                   |              |                |                                   |              |                |
| 12/3/2013                       | 17.65    | 82.49          | 12/3/2013                         | 17.06        | 82.48          | 12/3/2013                         | 18.51        | 80.98          |
| <b>Resurvey April 15, 2014</b>  |          | <b>100.21</b>  |                                   |              | <b>99.54</b>   |                                   |              | <b>99.49</b>   |
| 4/15/2014                       | 16.37    | 83.84          | 4/15/2014                         | 15.37        | 84.17          | 4/15/2014                         | 16.21        | 83.28          |
| 1/20/2015                       | 16.4     | 83.81          | 1/20/2015                         | 15.5         | 84.04          | 1/20/2015                         | 17.27        | 82.22          |
| 4/28/2015                       | 16.64    | 83.57          | 4/28/2015                         | 15.85        | 83.69          | 4/28/2015                         | 17.48        | 82.01          |
| 7/29/2015                       | 16.78    | 83.43          | 7/29/2015                         | 16.01        | 83.53          | 7/29/2015                         | 18.1         | 81.39          |
| 12/8/2015                       | 17.08    | 83.13          | 12/8/2015                         | 16.3         | 83.24          | 12/8/2015                         | 17.96        | 81.53          |
| 3/31/2016                       | 15.68    | 84.53          | 3/31/2016                         | Not Measured |                | 3/31/2016                         | Not Measured |                |
| <b>Resurvey June 7, 2016</b>    |          | <b>100.15</b>  | <b>Resurvey June 7, 2016</b>      |              | <b>99.47</b>   | <b>Resurvey June 7, 2016</b>      |              | <b>99.44</b>   |
| 6/7/2016                        | 15.93    | 84.22          | 6/7/2016                          | 15.13        | 84.34          | 6/7/2016                          | 16.83        | 82.61          |
| 7/24/2017                       | 15.51    | 84.64          | 7/24/2017                         | 14.88        | 84.59          | 7/24/2017                         | 17.24        | 82.2           |
| 10/23/2017                      | 17.19    | 82.96          | 10/23/2017                        | 16.44        | 83.03          | 10/23/2017                        | 17.84        | 81.6           |
| <b>Resurvey June 25, 2018</b>   |          | <b>1182.22</b> | <b>Resurvey June 25, 2018</b>     |              | <b>1181.64</b> | <b>Resurvey June 25, 2018</b>     |              | <b>1181.65</b> |
| 6/25/2018                       | 16.57    | 1168.65        | 6/25/2018                         | 15.91        | 1165.73        | 6/25/2018                         | 17.65        | 1164           |
| 10/17/2018                      | 17.22    | 1165           | 10/17/2018                        | 16.57        | 1165.07        | 10/17/2018                        | 17.91        | 1163.74        |
| 6/18/2019                       | 15.32    | 1166.9         | 6/18/2019                         | 14.7         | 1166.94        | 6/18/2019                         | 16.73        | 1164.92        |
| 9/24/2019                       | 15.99    | 1166.23        | 9/24/2019                         | 15.3         | 1166.34        | 9/24/2019                         | 17.26        | 1164.39        |

| <b>MW-8C (installed 7/10/17)</b> |          |                | <b>MW-9A (installed 10/28/13)</b> |          |                | <b>MW-9B (installed 10/28/13)</b> |          |               |
|----------------------------------|----------|----------------|-----------------------------------|----------|----------------|-----------------------------------|----------|---------------|
| Surface Elevation (ft)           |          | 100            | Surface Elevation (ft)            |          | 101            | Surface Elevation (ft)            |          | 100.5         |
| Top of Casing elevation (ft)     |          | 99.43          | Top of Casing elevation (ft)      |          | 100.95         | Top of Casing elevation (ft)      |          | 100.44        |
| Top of Screen Elevation (ft)     |          | 45             | Top of Screen Elevation (ft)      |          | 86             | Top of Screen Elevation (ft)      |          | 65.5          |
| Bottom of Screen Elevation (ft)  |          | 40             | Bottom of Screen Elevation (ft)   |          | 76             | Bottom of Screen Elevation (ft)   |          | 60.5          |
| Measurement Date                 | DTW (ft) | GW Elev (ft)   | Measurement Date                  | DTW (ft) | GW Elev (ft)   | Measurement Date                  | DTW (ft) | GW Elev (ft)  |
|                                  |          |                | 12/3/2013                         | 18.5     | 82.45          | 12/3/2013                         | 18.98    | 81.46         |
|                                  |          |                | <b>Resurvey April 15, 2014</b>    |          | <b>100.95</b>  |                                   |          | <b>100.44</b> |
|                                  |          |                | 4/15/2014                         | 17.11    | 83.84          | 4/15/2014                         | 18       | 82.44         |
|                                  |          |                | 1/20/2015                         | 17.13    | 83.82          | 1/20/2015                         | 17.77    | 82.67         |
|                                  |          |                | 4/28/2015                         | 17.37    | 83.58          | 4/28/2015                         | 18.1     | 82.34         |
|                                  |          |                | 7/29/2015                         | 17.5     | 83.45          | 7/29/2015                         | 18.61    | 81.83         |
|                                  |          |                | 12/8/2015                         | 17.8     | 83.15          | 12/8/2015                         | 23.65    | 76.79         |
|                                  |          |                | 3/31/2016                         | 16.4     | 84.55          | 3/31/2016                         | 18       | 82.44         |
|                                  |          |                | <b>Resurvey June 7, 2016</b>      |          | <b>100.82</b>  | <b>Resurvey June 7, 2016</b>      |          | <b>100.27</b> |
|                                  |          |                | 6/7/2016                          | 16.64    | 84.18          | 6/7/2016                          | 17.79    | 82.48         |
|                                  |          |                | 7/24/2017                         | 16.22    | 84.6           | 7/24/2017                         | 17.27    | 83            |
|                                  |          |                | 10/23/2017                        | 17.87    | 82.95          | 10/23/2017                        | 18.18    | 82.09         |
| <b>Resurvey June 25, 2018</b>    |          | <b>1181.56</b> | <b>Resurvey June 25, 2018</b>     |          | <b>1183.02</b> | <b>Resurvey June 25, 2018</b>     |          | <b>1182.4</b> |
| 6/25/2018                        | 18.9     | 1162.66        | 6/25/2018                         | 17.37    | 1165.65        | 6/25/2018                         | 18.07    | 1164.33       |
| 10/17/2018                       | 18.93    | 1162.63        | 10/17/2018                        | 18.03    | 1164.99        | 10/17/2018                        | 18.28    | 1164.12       |
| 6/18/2019                        | 18.15    | 1163.41        | 6/18/2019                         | 16.17    | 1166.85        | 6/18/2019                         | 17.02    | 1165.38       |
| 9/24/2019                        | 18.68    | 1162.88        | 9/24/2019                         | 16.86    | 1166.16        | 9/24/2019                         | 17.71    | 1164.69       |

**Table 2: Ground Water Level Measurements**

Jim and Cindy's Bar  
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| MW-10A (installed 12/30/14) (25 ft deep) |          |               | MW-10B (installed 12/29/14) (60 ft deep) |          |                | MW-11 (installed 4/20/15) (65 ft deep) |          |              |
|--|----------|---------------|--|----------|----------------|--|----------|--------------|
| Surface Elevation (ft)                   |          | 100           | Surface Elevation (ft)                   |          | 100            | Surface Elevation (ft)                 |          | 103          |
| Top of Casing elevation (ft)             |          | 99.79         | Top of Casing elevation (ft)             |          | 99.87          | Top of Casing elevation (ft)           |          | 102.63       |
| Top of Screen Elevation (ft)             |          | 85            | Top of Screen Elevation (ft)             |          | 45             | Top of Screen Elevation (ft)           |          | 43           |
| Bottom of Screen Elevation (ft)          |          | 75            | Bottom of Screen Elevation (ft)          |          | 40             | Bottom of Screen Elevation (ft)        |          | 38           |
| Measurement Date                         | DTW (ft) | GW Elev (ft)  | Measurement Date                         | DTW (ft) | GW Elev (ft)   | Measurement Date                       | DTW (ft) | GW Elev (ft) |
| <b>Surveyed 5/1/15</b>                   |          | 99.79         | <b>Surveyed 5/1/15</b>                   |          | 99.87          | <b>Surveyed 5/1/15</b>                 |          | 102.63       |
| 1/20/2015                                | 15.92    | 83.87         | 1/20/2015                                | 18.78    | 81.09          | 1/20/2015                              | 18.78    | 83.85        |
| 4/28/2015                                | 15.92    | 83.87         | 4/28/2015                                | 19.29    | 80.58          | 4/28/2015                              | 23.81    | 78.82        |
| 7/29/2015                                | 16.15    | 83.64         | 7/29/2015                                | 20.03    | 79.84          | 7/29/2015                              | 24.69    | 77.94        |
| <b>Resurvey June 7, 2016</b>             |          | <b>99.87</b>  | <b>Resurvey June 7, 2016</b>             |          | <b>99.89</b>   | (not resurveyed)                       |          |              |
| 6/7/2016                                 | 15.29    | 84.58         | 6/7/2016                                 | 18.48    | 81.41          | 6/7/2016                               | 23.17    | 79.46        |
| 7/24/2017                                | 15.2     | 84.67         | 7/24/2017                                | 19.13    | 80.76          | 7/24/2017                              | 23.74    | 78.89        |
| 10/23/2017                               | 16.74    | 83.13         | 10/23/2017                               | 19.4     | 80.49          | 10/23/2017                             | 24.2     | 78.43        |
| <b>Resurvey June 25, 2018</b>            |          | <b>1181.7</b> | <b>Resurvey June 25, 2018</b>            |          | <b>1181.34</b> |  |          |              |
| 6/25/2018                                | 15.87    | 1165.83       | 6/25/2018                                | 18.81    | 1162.53        | 6/25/2018                              | NM       | NM           |
| 10/17/2018                               | 16.45    | 1165.25       | 10/17/2018                               | 18.81    | 1162.53        | 10/17/2018                             | NM       | NM           |
| 6/18/2019                                | 14.89    | 1166.81       | 6/18/2019                                | 18.25    | 1163.09        | 6/18/2019                              | 23.38    | 79.25        |
| 9/24/2019                                | 15.54    | 1166.16       | 9/24/2019                                | 18.63    | 1162.71        | 9/24/2019                              | 23.74    | 78.89        |

| MW-12A (installed 5/17/18)      |          |                | MW-12B (installed 5/17/18)      |          |                | MW-12C (installed 5/16/18)      |          |                |
|---------------------------------|----------|----------------|---------------------------------|----------|----------------|---------------------------------|----------|----------------|
| Surface Elevation (ft)          |          | 1180.5         | Surface Elevation (ft)          |          | 1180.5         | Surface Elevation (ft)          |          | 1180.5         |
| Top of Casing elevation (ft)    |          | 1180.01        | Top of Casing elevation (ft)    |          | 1180.03        | Top of Casing elevation (ft)    |          | 1180.04        |
| Top of Screen Elevation (ft)    |          | 1168           | Top of Screen Elevation (ft)    |          | 1145.5         | Top of Screen Elevation (ft)    |          | 1126.5         |
| Bottom of Screen Elevation (ft) |          | 1158           | Bottom of Screen Elevation (ft) |          | 1140.5         | Bottom of Screen Elevation (ft) |          | 1121.5         |
| Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                | DTW (ft) | GW Elev (ft)   |
| <b>Resurvey June 25, 2018</b>   |          | <b>1180.01</b> | <b>Resurvey June 25, 2018</b>   |          | <b>1180.03</b> | <b>Resurvey June 25, 2018</b>   |          | <b>1180.04</b> |
| 6/25/2018                       | 14.38    | 1165.63        | 6/25/2018                       | 15.6     | 1164.43        | 6/25/2018                       | 17.01    | 1163.03        |
| 10/17/2018                      | 15.05    | 1164.96        | 10/17/2018                      | 15.94    | 1164.09        | 10/17/2018                      | 17.05    | 1162.99        |
| 6/18/2019                       | 13.08    | 1166.93        | 6/18/2019                       | 14.62    | 1165.41        | 6/18/2019                       | 16.25    | 1163.79        |
| 9/24/2019                       | 13.78    | 1166.23        | 9/24/2019                       | 15.15    | 1164.88        | 9/24/2019                       | 16.77    | 1163.27        |

| MW-13 (installed 5/18/18)       |          |                | MW-14 (installed 5/22/18)       |          |                | MW-15 (installed 5/22/18)       |          |                |
|---------------------------------|----------|----------------|---------------------------------|----------|----------------|---------------------------------|----------|----------------|
| Surface Elevation (ft)          |          | 1182           | Surface Elevation (ft)          |          | 1180.75        | Surface Elevation (ft)          |          | 1181.5         |
| Top of Casing elevation (ft)    |          | 1181.79        | Top of Casing elevation (ft)    |          | 1180.69        | Top of Casing elevation (ft)    |          | 1181.25        |
| Top of Screen Elevation (ft)    |          | 1167           | Top of Screen Elevation (ft)    |          | 1166.75        | Top of Screen Elevation (ft)    |          | 1167.5         |
| Bottom of Screen Elevation (ft) |          | 1157           | Bottom of Screen Elevation (ft) |          | 1156.75        | Bottom of Screen Elevation (ft) |          | 1157.5         |
| Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                | DTW (ft) | GW Elev (ft)   |
| <b>Resurvey June 25, 2018</b>   |          | <b>1181.79</b> | <b>Resurvey June 25, 2018</b>   |          | <b>1180.69</b> | <b>Resurvey June 25, 2018</b>   |          | <b>1181.25</b> |
| 6/25/2018                       | 16.15    | 1165.64        | 6/25/2018                       | 15.02    | 1165.67        | 6/25/2018                       | 15.55    | 1165.7         |
| 10/17/2018                      | 17.07    | 1164.72        | 10/17/2018                      | 15.68    | 1165.01        | 10/17/2018                      | 16.22    | 1165.03        |
| 6/18/2019                       | 15.1     | 1166.69        | 6/18/2019                       | 13.7     | 1166.99        | 6/18/2019                       | 14.2     | 1167.05        |
| 9/24/2019                       | 15.78    | 1166.01        | 9/24/2019                       | 14.41    | 1166.28        | 9/24/2019                       | 14.94    | 1166.31        |

| MW-16A (installed 6/11/18)      |          |                | MW-16B (installed 6/11/18)      |          |                |
|---------------------------------|----------|----------------|---------------------------------|----------|----------------|
| Surface Elevation (ft)          |          | 1184           | Surface Elevation (ft)          |          | 1184           |
| Top of Casing elevation (ft)    |          | 1183.93        | Top of Casing elevation (ft)    |          | 1183.85        |
| Top of Screen Elevation (ft)    |          | 1166           | Top of Screen Elevation (ft)    |          | 1149           |
| Bottom of Screen Elevation (ft) |          | 1156           | Bottom of Screen Elevation (ft) |          | 1144           |
| Measurement Date                | DTW (ft) | GW Elev (ft)   | Measurement Date                | DTW (ft) | GW Elev (ft)   |
| <b>Resurvey June 25, 2018</b>   |          | <b>1183.93</b> | <b>Resurvey June 25, 2018</b>   |          | <b>1183.85</b> |
| 6/25/2018                       | 18.41    | 1165.52        | 6/25/2018                       | 18.97    | 1164.88        |
| 10/17/2018                      | 19.05    | 1164.88        | 10/17/2018                      | 19.21    | 1164.64        |
| 6/18/2019                       | 17.22    | 1166.71        | 6/18/2019                       | 17.78    | 1166.07        |
| 9/24/2019                       | 17.91    | 1166.02        | 9/24/2019                       | 18.61    | 1165.24        |



**Table 2: Ground Water Level Measurements**

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| <b>MW-17A (installed 6/12/18)</b> |          |              | <b>MW-17B (installed 6/12/18)</b> |          |              |
|-----------------------------------|----------|--------------|-----------------------------------|----------|--------------|
| Surface Elevation (ft)            |          | 1182         | Surface Elevation (ft)            |          | 1182         |
| Top of Casing elevation (ft)      |          | 1181.58      | Top of Casing elevation (ft)      |          | 1181.57      |
| Top of Screen Elevation (ft)      |          | 1167         | Top of Screen Elevation (ft)      |          | 1147         |
| Bottom of Screen Elevation (ft)   |          | 1157         | Bottom of Screen Elevation (ft)   |          | 1142         |
| Measurement Date                  | DTW (ft) | GW Elev (ft) | Measurement Date                  | DTW (ft) | GW Elev (ft) |
| <b>Resurvey June 25, 2018</b>     |          |              | <b>Resurvey June 25, 2018</b>     |          |              |
|                                   |          | 1181.58      |                                   |          | 1181.57      |
| 6/25/2018                         | 15.93    | 1165.65      | 6/25/2018                         | 18.14    | 1163.43      |
| 10/17/2018                        | 16.58    | 1165         | 10/17/2018                        | 18.18    | 1163.39      |
| 6/18/2019                         | 14.75    | 1166.83      | 6/18/2019                         | 17.02    | 1164.55      |
| 9/24/2019                         | 15.45    | 1166.13      | 9/24/2019                         | 19.46    | 1162.11      |

| <b>MW-18A (installed 8/29/18)</b> |          |              | <b>MW-18B (installed 8/29/18)</b> |          |              | <b>MW-18C (installed 8/30/18)</b> |          |              |
|-----------------------------------|----------|--------------|-----------------------------------|----------|--------------|-----------------------------------|----------|--------------|
| Surface Elevation (ft)            |          | 1182         | Surface Elevation (ft)            |          | 1182         | Surface Elevation (ft)            |          | 1182         |
| Top of Casing elevation (ft)      |          | 1181.66      | Top of Casing elevation (ft)      |          | 1181.89      | Top of Casing elevation (ft)      |          | 1181.96      |
| Top of Screen Elevation (ft)      |          | 1167         | Top of Screen Elevation (ft)      |          | 1147         | Top of Screen Elevation (ft)      |          | 1132         |
| Bottom of Screen Elevation (ft)   |          | 1157         | Bottom of Screen Elevation (ft)   |          | 1142         | Bottom of Screen Elevation (ft)   |          | 1127         |
| Measurement Date                  | DTW (ft) | GW Elev (ft) | Measurement Date                  | DTW (ft) | GW Elev (ft) | Measurement Date                  | DTW (ft) | GW Elev (ft) |
| 10/17/2018                        | 16.75    | 1164.91      | 10/17/2018                        | 17.5     | 1164.39      | 10/17/2018                        | 18.89    | 1163.07      |
| 6/18/2019                         | 14.9     | 1166.76      | 6/18/2019                         | 15.95    | 1165.94      | 6/18/2019                         | 17.98    | 1163.98      |
| 9/24/2019                         | 15.6     | 1166.06      | 9/24/2019                         | 16.42    | 1165.47      | 9/24/2019                         | 18.48    | 1163.48      |

| <b>MW-19A (installed 9/5/18)</b> |          |              | <b>MW-19B (installed 9/4/18)</b> |          |              | <b>MW-19C (installed 8/31/18)</b> |          |              |
|----------------------------------|----------|--------------|----------------------------------|----------|--------------|-----------------------------------|----------|--------------|
| Surface Elevation (ft)           |          | 1182         | Surface Elevation (ft)           |          | 1182         | Surface Elevation (ft)            |          | 1182         |
| Top of Casing elevation (ft)     |          | 1181.57      | Top of Casing elevation (ft)     |          | 1181.68      | Top of Casing elevation (ft)      |          | 1181.72      |
| Top of Screen Elevation (ft)     |          | 1167         | Top of Screen Elevation (ft)     |          | 1147         | Top of Screen Elevation (ft)      |          | 1132         |
| Bottom of Screen Elevation (ft)  |          | 1157         | Bottom of Screen Elevation (ft)  |          | 1142         | Bottom of Screen Elevation (ft)   |          | 1127         |
| Measurement Date                 | DTW (ft) | GW Elev (ft) | Measurement Date                 | DTW (ft) | GW Elev (ft) | Measurement Date                  | DTW (ft) | GW Elev (ft) |
| 10/17/2018                       | 16.67    | 1164.9       | 10/17/2018                       | 16.95    | 1164.73      | 10/17/2018                        | 18.65    | 1163.07      |
| 6/18/2019                        | 14.71    | 1166.86      | 6/18/2019                        | 15.2     | 1166.48      | 6/18/2019                         | 17.75    | 1163.97      |
| 9/24/2019                        | 15.45    | 1166.12      | 9/24/2019                        | 15.93    | 1165.75      | 9/24/2019                         | 18.26    | 1163.46      |

| <b>MW-20 (installed 9/5/18)</b> |          |              | <b>MW-21 (installed 9/6/18)</b> |          |              |
|---------------------------------|----------|--------------|---------------------------------|----------|--------------|
| Surface Elevation (ft)          |          | 1182         | Surface Elevation (ft)          |          | 1181         |
| Top of Casing elevation (ft)    |          | 1181.87      | Top of Casing elevation (ft)    |          | 1180.63      |
| Top of Screen Elevation (ft)    |          | 1167         | Top of Screen Elevation (ft)    |          | 1167.5       |
| Bottom of Screen Elevation (ft) |          | 1157         | Bottom of Screen Elevation (ft) |          | 1157.5       |
| Measurement Date                | DTW (ft) | GW Elev (ft) | Measurement Date                | DTW (ft) | GW Elev (ft) |
| 10/17/2018                      | 16.98    | 1164.89      | 10/17/2018                      | 15.63    | 1165         |
| 6/18/2019                       | 14.98    | 1166.89      | 6/18/2019                       | 13.68    | 1166.95      |
| 9/24/2019                       | 15.73    | 1166.14      | 9/24/2019                       | 14.34    | 1166.29      |

**Table 3: Natural Attenuation Field Measurements**

Jim's Bar

| Well        | Date       | DO  | pH   | Temp    | K     | ORP  |
|-------------|------------|-----|------|---------|-------|------|
|             |            | ppm |      | Celcius | uS    |      |
| <b>MW-1</b> |            |     |      |         |       |      |
|             | 4/28/2015  | <<1 | 6.72 | 11.6    | 911   |      |
|             | 7/29/2015  | 1   | 6.84 | 13.6    | 922   |      |
|             | 12/8/2015  | 0   | 7.94 | 10.2    | 811   | -66  |
|             | 6/7/2016   | 0   | 7.89 | 11.3    | 1044  | -55  |
|             | 7/24/2017  | 0   | 6.85 | 17.5    | 841   | -87  |
|             | 10/23/2017 | 0   | 7.01 | 12.4    | 574   | -73  |
|             | 6/25/2018  | 0   | 7.16 | 13.3    | 746   | -184 |
|             | 10/17/2018 | 0   | 7.54 | 12.9    | 784   | -51  |
|             | 6/18/2019  | <1  | 7.74 | 10.9    | 1118  | -150 |
|             | 9/24/2019  | <1  | 6.85 | 14.2    | 1046  | 72   |
| <b>MW-2</b> |            |     |      |         |       |      |
|             | 4/28/2015  | <<1 | 6.58 | 10.2    | 461   |      |
|             | 7/29/2015  | <1  | 6.8  | 14.1    | 500   |      |
|             | 12/8/2015  | 0   | 7.14 | 10.9    | 413   | -58  |
|             | 3/31/2016  | 0   | 7.55 | 7       | 684   | 3    |
|             | 6/7/2016   | <<1 | 7.31 | 10.5    | 524   | -58  |
|             | 7/24/2017  | 0   | 7.24 | 13.4    | 411   | -55  |
|             | 10/23/2017 | 0   | 7.12 | 11.8    | 352   | -78  |
|             | 6/25/2018  | 0   | 7.13 | 12.7    | 404   | 6    |
|             | 10/17/2018 | 0   | 7.32 | 13      | 348   | -80  |
|             | 6/18/2019  | 0   | 7.62 | 11.1    | 266   | -213 |
|             | 9/24/2019  | 5   | 7.03 | 14      | 454   | 12   |
| <b>MW-3</b> |            |     |      |         |       |      |
|             | 4/28/2015  | <<1 | 7.01 | 10.5    | 1068  |      |
|             | 7/29/2015  | <1  | 6.87 | 12.8    | 1057  |      |
|             | 12/8/2015  | 0   | 6.84 | 10.8    | 1090  | -6   |
|             | 3/31/2016  | 0   | 8.13 | 7.9     | 1235  | 104  |
|             | 6/7/2016   | 0   | 7.12 | 11.8    | 1099  | -60  |
|             | 7/24/2017  | 0   | 7.19 | 13.2    | 629   | -62  |
|             | 10/23/2017 | 0   | 6.99 | 12.4    | 426   | -68  |
|             | 6/25/2018  | 0   | 7.16 | 11.2    | 810   | -5   |
|             | 10/17/2018 | 0   | 7.39 | 13.2    | 811   | 0    |
|             | 6/18/2019  | 0   | 7.21 | 12.2    | 745   | -146 |
|             | 9/24/2019  | 4   | 6.72 | 14.5    | 980   | 180  |
| <b>MW-5</b> |            |     |      |         |       |      |
|             | 4/28/2015  | <<1 | 7.17 | 11.6    | 725   |      |
|             | 7/29/2015  | <1  | 7.71 | 14.1    | 753   |      |
|             | 12/8/2015  | 0   | 6.79 | 11.3    | 763   | -1   |
|             | 3/31/2016  | 0   | 7.27 | 7.3     | 976   | 35   |
|             | 6/7/2016   | 0   | 6.94 | 11.5    | 1156  | -36  |
|             | 7/24/2017  | 0   | 7.03 | 15.4    | 405   | -54  |
|             | 10/23/2017 | 0   | 6.93 | 12.1    | 509   | -61  |
|             | 6/25/2018  | 0   | 7.25 | 13.5    | 530   | -125 |
|             | 10/17/2018 | 0   | 7.35 | 13      | 788   | -70  |
|             | 6/18/2019  | <1  | 7.72 | 10.5    | 977   | -172 |
|             | 9/24/2019  | 1   | 6.94 | 13.9    | 742   | 2    |
| <b>MW-6</b> |            |     |      |         |       |      |
|             | 4/28/2015  | <<1 | 6.17 | 11.8    | 1850  |      |
|             | 7/29/2015  | 1   | 6.51 | 14.2    | 990   |      |
|             | 12/8/2015  | 0   | 6.95 | 10.4    | 13.38 | 14   |
|             | 3/31/2016  | 1   | 7.08 | 6       | 1505  | 7    |
|             | 6/7/2016   | <1  | 7    | 13.2    | 1608  | -29  |
|             | 7/24/2017  | <<1 | 7.8  | 16.4    | 818   | -60  |
|             | 10/23/2017 | 0   | 6.76 | 12.9    | 1157  | -52  |
|             | 6/25/2018  | 0   | 7.2  | 13.6    | 1050  | -127 |
|             | 10/17/2018 | 0   | 7.32 | 14.4    | 945   | -119 |
|             | 6/18/2019  | 0   | 7.59 | 11.2    | 1390  | -163 |
|             | 9/24/2019  | 0   | 7.02 | 15      | 930   | 15   |



**Table 3: Natural Attenuation Field Measurements**

Jim's Bar

| Well         | Date       | DO  | pH   | Temp    | K    | ORP  |
|--------------|------------|-----|------|---------|------|------|
|              |            | ppm |      | Celcius | uS   |      |
| <b>MW-7</b>  |            |     |      |         |      |      |
|              | 4/28/2015  | <<1 | 6.67 | 12.2    | 590  |      |
|              | 7/29/2015  | <1  | 7.03 | 14.6    | 580  |      |
|              | 12/8/2015  | 0   | 7.16 | 10.8    | 503  | -26  |
|              | 3/31/2016  | <1  | 7.15 | 6.7     | 980  | -22  |
|              | 6/7/2016   | 0   | 7.23 | 13.3    | 728  | 2    |
|              | 7/24/2017  | 2   | 6.81 | 16.1    | 866  | -62  |
|              | 10/23/2017 | 0   | 6.97 | 14.1    | 487  | -65  |
|              | 6/25/2018  | 0   | 7.08 | 11.8    | 509  | -89  |
|              | 10/17/2018 | 0   | 7.38 | 12.4    | 494  | -124 |
|              | 6/18/2019  | <1  | 7.5  | 11.2    | 674  | -176 |
|              | 9/24/2019  | 3   | 7.1  | 14.1    | 540  | 17   |
| <b>MW-8A</b> |            |     |      |         |      |      |
|              | 4/28/2015  | <<1 | 6.05 | 11.3    | 3200 |      |
|              | 7/29/2015  | 4   | 6.32 | 12.9    | 2930 |      |
|              | 6/7/2016   | <<1 | 7.17 | 13.9    | 319  | -12  |
|              | 7/24/2017  | <1  | 6.58 | 13.8    | 2380 | -19  |
|              | 10/23/2017 | 0   | 7.46 | 11.2    | 1878 | -50  |
|              | 6/25/2018  | 5   | 6.8  | 12.7    | 278  | -136 |
|              | 10/17/2018 | 1   | 7.43 | 10.8    | 2110 | -127 |
|              | 6/18/2019  | 2   | 7.58 | 10.8    | 2250 | -132 |
|              | 9/24/2019  | 2   | 7.11 | 13      | 2360 | 49   |
| <b>MW-8B</b> |            |     |      |         |      |      |
|              | 4/28/2015  | 1   | 6.23 | 11.9    | 932  |      |
|              | 7/29/2015  | 1   | 6.49 | 12.7    | 948  |      |
|              | 6/7/2016   | 1   | 7.01 | 11.4    | 1004 | 0    |
|              | 7/24/2017  | 1   | 6.79 | 13.4    | 822  | -31  |
|              | 10/23/2017 | <1  | 7.27 | 9.9     | 831  | -57  |
|              | 6/25/2018  | <1  | 6.94 | 12.6    | 288  | -145 |
|              | 10/17/2018 | 1   | 7.42 | 9.8     | 842  | -138 |
|              | 6/18/2019  | 0   | 7.71 | 11.7    | 713  | -143 |
|              | 9/24/2019  | 0   | 6.96 | 11.9    | 653  | 42   |
| <b>MW-8C</b> |            |     |      |         |      |      |
|              | 7/24/2017  | 4   | 6.84 | 13.9    | 798  | -83  |
|              | 10/23/2017 | <1  | 6.91 | 9.5     | 769  | -68  |
|              | 6/25/2018  | 0   | 6.69 | 15      | 748  | 182  |
|              | 10/17/2018 | 1   | 7.3  | 10.5    | 823  | -120 |
|              | 6/18/2019  | 1   | 7.7  | 11.7    | 723  | -141 |
|              | 9/24/2019  | 1   | 7.08 | 11.4    | 735  | 57   |
| <b>MW-9A</b> |            |     |      |         |      |      |
|              | 4/28/2015  | 4   | 6.62 | 12.6    | 1284 |      |
|              | 7/29/2015  | 4   | 6.63 | 14.3    | 1024 |      |
|              | 12/8/2015  | 0   | 6.95 | 10.6    | 908  | 27   |
|              | 3/31/2016  | 1   | 7.3  | 7.2     | 934  | 27   |
|              | 6/7/2016   | 1   | 6.92 | 11.9    | 1363 | -9   |
|              | 7/24/2017  | 8   | 6.83 | 18.1    | 740  | 27   |
|              | 10/23/2017 | <<1 | 6.92 | 13      | 968  | -54  |
|              | 6/25/2018  | 0   | 6.95 | 13.7    | 806  | -98  |
|              | 10/17/2018 | 5   | 7.44 | 11.6    | 747  | -118 |
|              | 6/18/2019  | 6   | 7.7  | 10.3    | 1029 | -137 |
|              | 9/24/2019  | 6   | 7.2  | 14.5    | 620  | -6   |

**Table 3: Natural Attenuation Field Measurements**

Jim's Bar

| Well          | Date       | DO  | pH   | Temp    | K    | ORP  |
|---------------|------------|-----|------|---------|------|------|
|               |            | ppm |      | Celcius | uS   |      |
| <b>MW-9B</b>  |            |     |      |         |      |      |
|               | 4/28/2015  | 4   | 6.23 | 13.7    | 636  |      |
|               | 7/29/2015  | <1  | 6.61 | 15.6    | 812  |      |
|               | 12/8/2015  | 1   | 7.02 | 9.5     | 720  | 28   |
|               | 3/31/2016  | 3   | 7.47 | 7.9     | 605  | 28   |
|               | 6/7/2016   | <1  | 7    | 12.7    | 646  | -24  |
|               | 7/24/2017  | 4   | 7.22 | 16.8    | 629  | -47  |
|               | 10/23/2017 | <<1 | 6.89 | 10.2    | 724  | -52  |
|               | 6/25/2018  | 1   | 6.82 | 12.5    | 638  | 49   |
|               | 10/17/2018 | 2   | 7.23 | 9.3     | 502  | -133 |
|               | 6/18/2019  | 4   | 7.59 | 11.2    | 215  | -158 |
|               | 9/24/2019  | 1   | 7.12 | 12.1    | 420  | -50  |
| <b>MW-10A</b> |            |     |      |         |      |      |
|               | 4/28/2015  | 2   | 6.25 | 10.5    | 312  |      |
|               | 7/29/2015  | 2   | 7.02 | 16.2    | 301  |      |
|               | 6/7/2016   | 2   | 7.05 | 11.2    | 270  | 40   |
|               | 7/24/2017  | 1   | 7.62 | 14.8    | 280  | -55  |
|               | 10/23/2017 | <<1 | 7.12 | 12.9    | 286  | -51  |
|               | 6/25/2018  | 4   | 7.14 | 14.7    | 243  | -116 |
|               | 10/17/2018 | 1   | 7.56 | 10.9    | 231  | -122 |
|               | 6/18/2019  | 3   | 7.82 | 11.1    | 217  | -84  |
|               | 9/24/2019  | 1   | 7.7  | 11.8    | 252  | 108  |
| <b>MW-10B</b> |            |     |      |         |      |      |
|               | 4/28/2015  | 3   | 7.58 | 10.9    | 544  |      |
|               | 7/29/2015  | 4   | 7.78 | 15.3    | 573  |      |
|               | 6/7/2016   | 2   | 7.42 | 11.2    | 598  | 50   |
|               | 7/24/2017  | 3   | 7.33 | 11.2    | 455  | -23  |
|               | 10/23/2017 | 1   | 6.97 | 10.6    | 445  | -37  |
|               | 6/25/2018  | 1   | 6.95 | 13      | 78   | 106  |
|               | 10/17/2018 | 6   | 7.5  | 9.1     | 329  | -124 |
|               | 6/18/2019  | 2   | 7.82 | 12.8    | 44.7 | -119 |
|               | 9/24/2019  | 1   | 7.74 | 10.1    | 124  | -106 |
| <b>MW-11</b>  |            |     |      |         |      |      |
|               | 4/28/2015  | 4   | 7.26 | 11.9    | 370  |      |
|               | 7/29/2015  | 4   | 7.61 | 12.8    | 347  |      |
|               | 6/7/2016   | -   | 8.21 | 12.2    | 383  | 60   |
|               | 7/24/2017  | 4   | 7.58 | 13.8    | 370  | -21  |
|               | 10/23/2017 | 4   | 7.62 | 10.6    | 338  | -18  |
|               | 6/18/2019  | 3   | 7.87 | 12.8    | 416  | -98  |
|               | 9/24/2019  | 2   | 7.73 | 10.8    | 344  | 152  |
| <b>MW-12A</b> |            |     |      |         |      |      |
|               | 6/25/2018  | <<1 | 7.35 | 12      | 406  | -108 |
|               | 10/17/2018 | <<1 | 7.56 | 11.2    | 661  | 27   |
|               | 6/18/2019  | 0   | 7.7  | 10.1    | 452  | -136 |
|               | 9/24/2019  | 3   | 7.06 | 12.5    | 330  | 40   |
| <b>MW-12B</b> |            |     |      |         |      |      |
|               | 6/25/2018  | <1  | 7.35 | 12.5    | 528  | -143 |
|               | 10/17/2018 | 0   | 7.45 | 10.9    | 556  | 173  |
|               | 6/18/2019  | 0   | 7.78 | 10.6    | 577  | -143 |
|               | 9/24/2019  | 1   | 7.16 | 11      | 563  | 45   |
| <b>MW-12C</b> |            |     |      |         |      |      |
|               | 6/25/2018  | <<1 | 7.43 | 11.7    | 750  | 173  |
|               | 10/17/2018 | 1   | 7.52 | 10.6    | 689  | 174  |
|               | 6/18/2019  | 2   | 7.73 | 10.6    | 657  | -144 |
|               | 9/24/2019  | <1  | 7.18 | 10.3    | 636  | 39   |

**Table 3: Natural Attenuation Field Measurements**

Jim's Bar

| Well          | Date       | DO  | pH    | Temp    | K     | ORP  |
|---------------|------------|-----|-------|---------|-------|------|
|               |            | ppm |       | Celcius | uS    |      |
| <b>MW-13</b>  |            |     |       |         |       |      |
|               | 6/25/2018  | 1   | 7.32  | 14.7    | 140.5 | 140  |
|               | 10/17/2018 | 3   | 7.62  | 11.9    | 115.7 | 39   |
|               | 6/18/2019  | 4   | 7.83  | 12.2    | 122   | -137 |
|               | 9/24/2019  | 8   | 7.05  | 13.6    | 99.2  | 29   |
| <b>MW-14</b>  |            |     |       |         |       |      |
|               | 6/25/2018  | 1   | 7.38  | 14      | 260   | -103 |
|               | 10/17/2018 | <1  | 6.88  | 12      | 255   | 49   |
|               | 6/18/2019  | 1   | 7.73  | 11.5    | 152   | -137 |
|               | 9/24/2019  | 1   | 7.22  | 11.6    | 137.7 | 67   |
| <b>MW-15</b>  |            |     |       |         |       |      |
|               | 6/25/2018  | 5   | 7.32  | 12.9    | 282   | -132 |
|               | 10/17/2018 | 6   | 7.25  | 10.8    | 285   | 220  |
|               | 6/18/2019  | 5   | 7.82  | 11.1    | 253   | -154 |
|               | 9/24/2019  | 6   | 7.22  | 12.7    | 279   | 71   |
| <b>MW-16A</b> |            |     |       |         |       |      |
|               | 6/25/2018  | 3   | 7.3   | 16      | 425   | 138  |
|               | 10/17/2018 | 1   | 7.85  | 10.4    | 483   | 122  |
|               | 6/18/2019  | 4   | 7.32  | 9.9     | 522   | -102 |
|               | 9/24/2019  | 2   | 7.87  | 11.4    | 419   | 32   |
| <b>MW-16B</b> |            |     |       |         |       |      |
|               | 6/25/2018  | 2   | 7.24  | 12.6    | 358   | 123  |
|               | 10/17/2018 | 2   | 7.66  | 9.6     | 387   | 146  |
|               | 6/18/2019  | 1   | 7.48  | 10.1    | 413   | -108 |
|               | 9/24/2019  | 1   | 7.79  | 10.8    | 397   | 64   |
| <b>MW-17A</b> |            |     |       |         |       |      |
|               | 6/25/2018  | 1   | 7.31  | 12.6    | 323   | 153  |
|               | 10/17/2018 | 4   | 7.46  | 10.8    | 259   | -117 |
|               | 6/18/2019  | 3   | 7.62  | 10.4    | 224   | -122 |
|               | 9/24/2019  | 2   | 7.44  | 12.1    | 215   | 87   |
| <b>MW-17B</b> |            |     |       |         |       |      |
|               | 6/25/2018  | <1  | 7.25  | 12.9    | 398   | 117  |
|               | 10/17/2018 | 1   | 7.43  | 9       | 388   | -177 |
|               | 6/18/2019  | 4   | 7.69  | 11.6    | 378   | -116 |
|               | 9/24/2019  | 1   | 17.35 | 11      | 415   | 105  |
| <b>MW-18A</b> |            |     |       |         |       |      |
|               | 10/17/2018 | 2   | 7.74  | 10.4    | 398   | 118  |
|               | 6/18/2019  | 3   | 7.74  | 12.2    | 305   | -147 |
|               | 9/24/2019  | 4   | 7.99  | 11      | 340   | 76   |
| <b>MW-18B</b> |            |     |       |         |       |      |
|               | 10/17/2018 | 5   | 7.95  | 9.8     | 465   | -130 |
|               | 6/18/2019  | 2   | 7.7   | 10.8    | 374   | -143 |
|               | 9/24/2019  | 0   | 7.86  | 10.1    | 327   | 93   |
| <b>MW-18C</b> |            |     |       |         |       |      |
|               | 10/17/2018 | 1   | 7.96  | 9.2     | 518   | -104 |
|               | 6/18/2019  | 1   | 7.73  | 11.4    | 498   | -142 |
|               | 9/24/2019  | 1   | 7.92  | 9.7     | 483   | 91   |

**Table 3: Natural Attenuation Field Measurements**

Jim's Bar

| Well          | Date       | DO<br>ppm | pH   | Temp<br>Celcius | K<br>uS | ORP  |
|---------------|------------|-----------|------|-----------------|---------|------|
| <b>MW-19A</b> |            |           |      |                 |         |      |
|               | 10/17/2018 | 6         | 7.98 | 10.8            | 280     | -148 |
|               | 6/18/2019  | 5         | 7.76 | 10.3            | 270     | -143 |
|               | 9/24/2019  | 4         | 7.87 | 11.2            | 280     | 100  |
| <b>MW-19B</b> |            |           |      |                 |         |      |
|               | 10/17/2018 | 4         | 7.98 | 10              | 334     | -141 |
|               | 6/18/2019  | 3         | 7.73 | 10              | 326     | -142 |
|               | 9/24/2019  | 3         | 7.89 | 10.2            | 316     | 119  |
| <b>MW-19C</b> |            |           |      |                 |         |      |
|               | 10/17/2018 | 2         | 7.96 | 9               | 438     | -149 |
|               | 6/18/2019  | 3         | 7.86 | 11              | 435     | -134 |
|               | 9/24/2019  | 2         | 7.95 | 10.4            | 433     | 123  |
| <b>MW-20</b>  |            |           |      |                 |         |      |
|               | 10/17/2018 | 5         | 8.09 | 11.3            | 289     | -147 |
|               | 6/18/2019  | 4         | 7.78 | 10.6            | 258     | -145 |
|               | 9/24/2019  | 4         | 7.88 | 11              | 269     | 121  |
| <b>MW-21</b>  |            |           |      |                 |         |      |
|               | 10/17/2018 | 5         | 7.3  | 12.5            | 643     | -117 |
|               | 6/18/2019  | 3         | 7.49 | 10.3            | 238     | -162 |
|               | 9/24/2019  | 3         | 7.17 | 13.4            | 368     | 38   |



**Table 4: SVE Operation Data - Startup November 14, 2018**

Jim's Bar/Jump River

| Date       | Days  | Vents Open  | VFD   | Vacuum<br>(In H2O) | Magnehelic<br>Pressure Reading<br>(inches H2O) | Temperature<br>(discharge air)<br>°F | Discharge<br>Rate<br>scfm | Hours<br>Operation<br>hour | Condensate<br>Removed<br>gallon | LEL | PID   | Air<br>Sample | Discharge Concentrations (from air samples) |                       |         |                       | Cumulative Discharge<br>(lbs) |                       |  |
|------------|-------|---|-------|--------------------|--|--------------------------------------|---------------------------|----------------------------|---------------------------------|-----|-------|---------------|---|-----------------------|---------|-----------------------|-------------------------------|-----------------------|--|
|            |       |   |       |                    |  |                                      |                           |                            |                                 |     |       |               | Benzene                                     | VOCs (as<br>Gasoline) | Benzene | VOCs (as<br>Gasoline) | Benzene                       | VOCs (as<br>Gasoline) |  |
|            |       |   |       |                    |  |                                      |                           |                            |                                 |     |       |               | mg/m <sup>3</sup>                           | mg/m <sup>3</sup>     | lbs/hr  | lbs/hr                | lbs                           | lbs                   |  |
| 11/14/2018 | start | SV-5  | 30.00 | 14                 | 1.10   | 70                                   | 62                        | 0                          | 0                               | 23  | 2,550 |               |   |                       |         |                       |                               |                       |  |
| 11/15/2018 | 1     | SV-5  | 30.00 | 15                 | 1.10   | 75                                   | 61                        | 24                         | 0                               | 18  |       | X             | 2800  | 33000                 | 0.64    | 7.55                  | 15.37                         | 181.09                |  |
| 11/16/2018 | 2     | SV-5  | 30.00 | 15                 | 1.10   | 75                                   | 61                        | 48                         | 5                               | 13  |       | X             | 1900  | 22000                 | 0.43    | 5.03                  | 25.79                         | 301.81                |  |
| 11/17/2018 | 3     | SV-5  | 30.00 | 15                 | 1.00   | 85                                   | 58                        | 72                         | 0.5                             | 10  |       | X             | 1400  | 21000                 | 0.30    | 4.57                  | 33.10                         | 411.38                |  |
| 11/20/2018 | 6     | SV-5  | 30.00 | 15                 | 1.10   | 80                                   | 61                        | 144                        | 1                               | 6   |       |               |   |                       |         |                       |                               |                       |  |
| 11/27/2018 | 13    | SV-5  | 30.00 | 15                 | 1.10   | 75                                   | 61                        | 312                        | 5                               | 0   | 1,104 | X             | 300   | 5800                  | 0.07    | 1.33                  | 49.56                         | 729.66                |  |
| 12/4/2019  | 20    | SV-5  | 30.00 | 15                 | 1.10   | 75                                   | 61                        | 480                        | 5                               | -   | 1,140 | X             | 330   | 7100                  | 0.08    | 1.62                  | 62.23                         | 1002.39               |  |
| 1/4/2019   | 51    | SV-5  | 30.00 | 14                 | 1.10   | 75                                   | 61                        | 1224                       |                                 | -   |       | X             | 190   | 3800                  | 0.04    | 0.87                  | 94.56                         | 1648.82               |  |
| 1/18/2019  | 65    | system off - ice buildup in discharge pipe            |       |                    |  |                                      |                           |                            | 1560                            | 5   | -     |               |   |                       |         |                       |                               |                       |  |
| 2/1/2019   | 79    | SV-5  | 30.00 | 15                 | 1.10   | 60                                   | 62                        | 1896                       | 5                               | -   | 667   | X             | 330   | 4900                  | 0.08    | 1.14                  | 146.09                        | 2414.05               |  |
| 3/7/2019   | 113   | SV-5  | 30.00 | 14                 | 1.10   | 80                                   | 61                        | 2712                       | 5                               | -   | 742   | X             | 220   | 4300                  | 0.05    | 0.98                  | 187.14                        | 3216.32               |  |
| 4/4/2019   | 141   | system off - squirrel shorted transformer fuse        |       |                    |  |                                      |                           |                            | 3384                            |     | -     |               |   |                       |         |                       |                               |                       |  |
| 4/9/2019   | 146   | SV-7  | 30.00 | 23                 | 0.60   | 82                                   | 45                        | 3504                       | 5                               | -   | 2,084 | X             | 1400  | 20000                 | 0.24    | 3.37                  | 374.16                        | 5888.11               |  |
| 4/13/2019  | 150   | SV-7  | 30.00 | 24                 | 0.60   | 85                                   | 45                        | 3600                       | 0                               | -   | 820   |               |   |                       |         |                       |                               |                       |  |
| 5/1/2019   | 168   | SV-2, -7  | 40.00 | 34                 | 1.00   | 100                                  | 57                        | 4032                       | 0                               | -   | 448   | X             | 130   | 3000                  | 0.03    | 0.64                  | 388.83                        | 6226.53               |  |
| 5/15/2019  | 182   | SV-2, -7  | 40.00 | 32                 | 1.00   | 125                                  | 56                        | 4368                       | 0                               | -   | 200   |               |   |                       |         |                       |                               |                       |  |
| 6/3/2019   | 201   | SV-7  | 30.00 | 26                 | 0.40   | 115                                  | 36                        | 4824                       | 0                               | -   | 215   | X             | 53  | 1500                  | 0.01    | 0.20                  | 394.49                        | 6386.84               |  |
| 6/19/2019  | 217   | SV-2, -7  | 40.00 | 38                 | 1.00   | 125                                  | 56                        | 5208                       | 0                               | -   | 217   |               |   |                       |         |                       |                               |                       |  |
| 7/4/2019   | 232   | system turned off due to 4th July softball tournament |       |                    |  |                                      |                           |                            | 5568                            | 0   | -     |               |   |                       |         |                       |                               |                       |  |
| 7/12/2019  | 232   | SV-2, -4, -7  | 40.00 | 19                 | 1.60   | 110                                  | 70                        | 5568                       | 0                               | -   | 154   | X             | 45  | 1000                  | 0.01    | 0.26                  | 403.28                        | 6582.05               |  |
| 7/19/2019  | 239   | system off likely due to heat (?)                     |       |                    |  |                                      |                           |                            | 5736                            |     | -     |               |   |                       |         |                       |                               |                       |  |
| 7/23/2019  | 239   | SV-2, -4, -7  | 40.00 | 16                 | 1.60   | 100                                  | 72                        | 5736                       | 0.00                            | -   | 215   |               |   |                       |         |                       |                               |                       |  |
| 8/2/2019   | 250   | SV-2, -4, -7  | 45.00 | 20                 | 2.00   | 110                                  | 80                        | 6000                       | 0.00                            | -   | 155   | X             | 33  | 1000                  | 0.01    | 0.30                  | 407.55                        | 6711.59               |  |
| 9/5/2019   | 284   | SV-2, -7, -10   | 60.00 | 19                 | 4.00   | 120                                  | 112                       | 6816                       | 0.00                            | -   | 168   | X             | 49  | 1,100                 | 0.02    | 0.46                  | 424.34                        | 7088.41               |  |
| 10/4/2019  | 313   | SV-7  | 36.00 | 37                 | 0.60   | 110                                  | 44                        | 7512                       | 5.00                            | -   | 270   | X             | 63  | 1,000                 | 0.01    | 0.16                  | 431.57                        | 7203.20               |  |
| 11/4/2019  | 344   | SV-7  | 30.00 | 30                 | 0.40   | 110                                  | 36                        | 8256                       | 0.00                            | -   | 159   | X             | 63  | 1,000                 | 0.01    | 0.13                  | 437.89                        | 7303.60               |  |

11/4/19 concentrations assumed from 10/4/19 sample. Actual will be updated.

**TABLE 5**  
**SVE POINT DATA - FIELD TESTING RESULTS**  
**JIM AND CINDYS BAR**  
**JUMP RIVER, WI**

Client : Meridian Environmental Consulting, LLC.  
 Site Personnel: Gary Gilbert / Ken Shimko

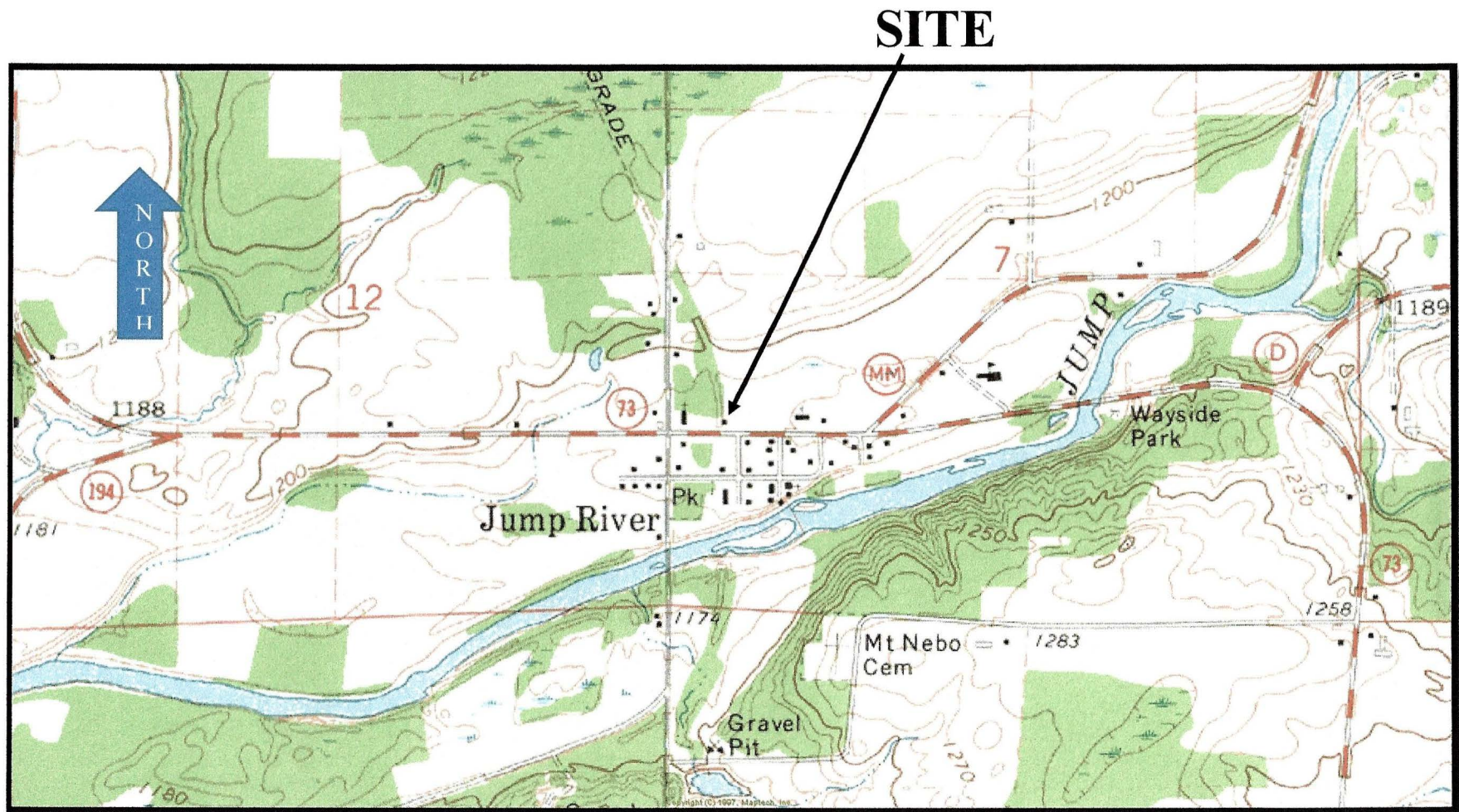
| DATE             | TIME (MIN) | ELAPSED TIME (MIN) | VFD (Hz) | MAG (IN/H2O) | DISCH. FLOW (SCFM) | MANIFOLD/WELL HEAD VAC (IN/H2O) | DISCH. PID (PPM) | DISCH. TEMP (DEG F) |
|------------------|------------|--------------------|----------|--------------|--------------------|---------------------------------|------------------|---------------------|
| <b>SV1</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1205       | 5                  | NA       | NA           | >70                | 31/24                           | 381              | NA                  |
| 10/01/18         | 1220       | 20                 | NA       | NA           | >70                | 31/24                           | 751              | NA                  |
| 05/15/19         | 1425       | 5                  | 50       | 1.0          | 56                 | 47/NM                           | 30               | 125                 |
| 05/15/19         | 1430       | 10                 | 50       | 1.0          | 56                 | 48/NM                           | 51               | 130                 |
| 10/17/19         | 1220       | 5                  | 50       | 1.4          | 67                 | 47/NM                           | 8                | 115                 |
| <b>SV2</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1225       | 5                  | NA       | NA           | >70                | 24/13                           | 1,651            | NA                  |
| 10/01/18         | 1235       | 15                 | NA       | NA           | >70                | 24/13                           | 1,655            | NA                  |
| 05/15/19         | 1435       | 5                  | 50       | 1.5          | 68                 | 44/NM                           | 16               | 130                 |
| 05/15/19         | 1440       | 10                 | 50       | 1.5          | 68                 | 44/NM                           | 17               | 130                 |
| 10/17/19         | 1230       | 5                  | 50       | 1.2          | 62                 | 48/NM                           | 11               | 115                 |
| <b>SV4</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1240       | 5                  | NA       | NA           | >70                | 20/18                           | 1,681            | NA                  |
| 10/01/18         | 1250       | 15                 | NA       | NA           | >70                | 20/18                           | 1,751            | NA                  |
| 05/15/19         | 1442       | 2                  | 50       | 1.5          | 68                 | 44/NM                           | 18               | 130                 |
| 05/15/19         | 1447       | 7                  | 50       | 1.4          | 68                 | 44/NM                           | 18               | 132                 |
| 10/17/19         | 1225       | 5                  | 50       | 1.7          | 74                 | 40/NM                           | 15               | 115                 |
| <b>SV5</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1300       | 5                  | NA       | NA           | >70                | 18/5                            | 1,750            | NA                  |
| 10/01/18         | 1310       | 15                 | NA       | NA           | >70                | 18/5                            | 1,764            | NA                  |
| 05/15/19         | 1449       | 2                  | 50       | 1.1          | 61                 | 42/NM                           | 10               | 130                 |
| 05/15/19         | 1455       | 8                  | 50       | 1.2          | 61                 | 44/NM                           | 13               | 130                 |
| 10/17/19         | 1235       | 5                  | 50       | 1.4          | 67                 | 42/NM                           | 8                | 115                 |
| <b>SV6</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1315       | 5                  | NA       | NA           | >70                | 18/6                            | 1,770            | NA                  |
| 10/01/18         | 1325       | 15                 | NA       | NA           | >70                | 18/6                            | 1,790            | NA                  |
| 05/15/19         | 1505       | 10                 | 50       | 2.2          | 83                 | 28/NM                           | 36               | 110                 |
| 05/15/19         | 1510       | 15                 | 50       | 2.2          | 83                 | 28/NM                           | 40               | 110                 |
| 10/17/19         | 1240       | 5                  | 50       | 2.4          | 88                 | 28/NM                           | 15               | 105                 |
| <b>SV7</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1330       | 5                  | NA       | NA           | >70                | 22/8                            | 1,770            | NA                  |
| 10/01/18         | 1335       | 10                 | NA       | NA           | >70                | 22/8                            | 1,770            | NA                  |
| 05/15/19         | 1515       | 5                  | 50       | 1.0          | 56                 | 49/NM                           | 204              | 120                 |
| 05/15/19         | 1520       | 10                 | 50       | 1.0          | 56                 | 50/NM                           | 210              | 125                 |
| 10/17/19         | 1245       | 5                  | 50       | 1.1          | 59                 | 50/NM                           | 100              | 110                 |
| <b>SV8</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1345       | 5                  | NA       | NA           | >70                | 20/9                            | 1,858            | NA                  |
| 10/01/18         | 1355       | 15                 | NA       | NA           | >70                | 20/9                            | 1,870            | NA                  |
| 05/15/19         | 1525       | 5                  | 50       | 1.0          | 56                 | 50/NM                           | 31               | 115                 |
| 05/15/19         | 1530       | 10                 | 50       | 1.0          | 56                 | 50/NM                           | 35               | 130                 |
| 10/17/19         | 1250       | 5                  | 50       | 1.1          | 59                 | 50/NM                           | 34               | 110                 |
| <b>SV9</b>       |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1400       | 5                  | NA       | NA           | >70                | 22/12                           | 1,790            | NA                  |
| 10/01/18         | 1410       | 15                 | NA       | NA           | >70                | 22/12                           | 1,720            | NA                  |
| 05/15/19         | 1535       | 5                  | 50       | 1.5          | 69                 | 40/NM                           | 19               | 130                 |
| 05/15/19         | 1540       | 10                 | 50       | 1.2          | 61                 | 44/NM                           | 38               | 130                 |
| 10/17/19         | 1255       | 5                  | 50       | 1.3          | 64                 | 44/NM                           | 15               | 115                 |
| <b>SV10</b>      |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1415       | 5                  | NA       | NA           | >70                | 39/34                           | 760              | NA                  |
| 10/01/18         | 1425       | 15                 | NA       | NA           | >70                | 39/34                           | 760              | NA                  |
| 05/15/19         | 1545       | 5                  | 50       | 1.0          | 56                 | 52/NM                           | <5               | 145                 |
| 05/15/19         | 1550       | 10                 | 50       | 1.0          | 56                 | 52/NM                           | <5               | 145                 |
| 10/17/19         | 1300       | 5                  | 50       | 1.0          | 56                 | 50/NM                           | <5               | 120                 |
| <b>SV11/MW13</b> |            |                    |          |              |                    |                                 |                  |                     |
| 10/01/18         | 1430       | 5                  | NA       | NA           | >70                | 30/20                           | 1,550            | NA                  |
| 10/01/18         | 1440       | 15                 | NA       | NA           | >70                | 30/20                           | 1,550            | NA                  |
| 05/15/19         | 1555       | 5                  | 50       | 1.0          | 56                 | 54/NM                           | <5               | 145                 |
| 05/15/19         | 1600       | 10                 | 50       | 1.0          | 56                 | 54/NM                           | <5               | 135                 |
| 10/17/19         | 1305       | 5                  | 50       | 1.0          | 56                 | 56/NM                           | <5               | 125                 |

**NOTES:**

10/01/18 - Installed SVE test unit to start system and collect background data  
 SVE test unit blower = Rotron EN454W58L  
 Data collected prior to system start-up, all points/wells closed during data collection  
 Will install portable SVE trailer when it arrives on site  
 SVE System started on 10/2/18 on SVE5 due to heavy rain during the data collection process on 10/1/18  
 VFD - No VFD on test unit.  
 SVE system installed November 12, 2018  
 5/15/19 - Collected system data from SVE system  
 5/15/19 - Left system on SVE7, VFD @ 30HZ, Flow @ 0.5in of water (40 SCFM), Man Vac @ 26", Temp @ 110F  
 5/15/19 - SVE Blower wide open @ 60HZ, flow at 4.5in of water (117 SCFM)  
 10/17/19 - Collected system data from SVE system  
 10/17/19 - Left system on SVE7, VFD @ 30HZ, Flow @ 0.5in of water (40 SCFM), Man Vac @ 28", Temp @ 110F

# FIGURES





**Figure 1: Site Location Map**  
**Jim's Bar/Jump River, Wisconsin**

1000 FT



# SITE

**LEGEND**

- PARCEL BOUNDARY
- ◆ MONITORING WELL
- ◆ PRIVATE WELL
- ⚡ POWER POLE

0 80 (ft)  
approximate scale (ft)

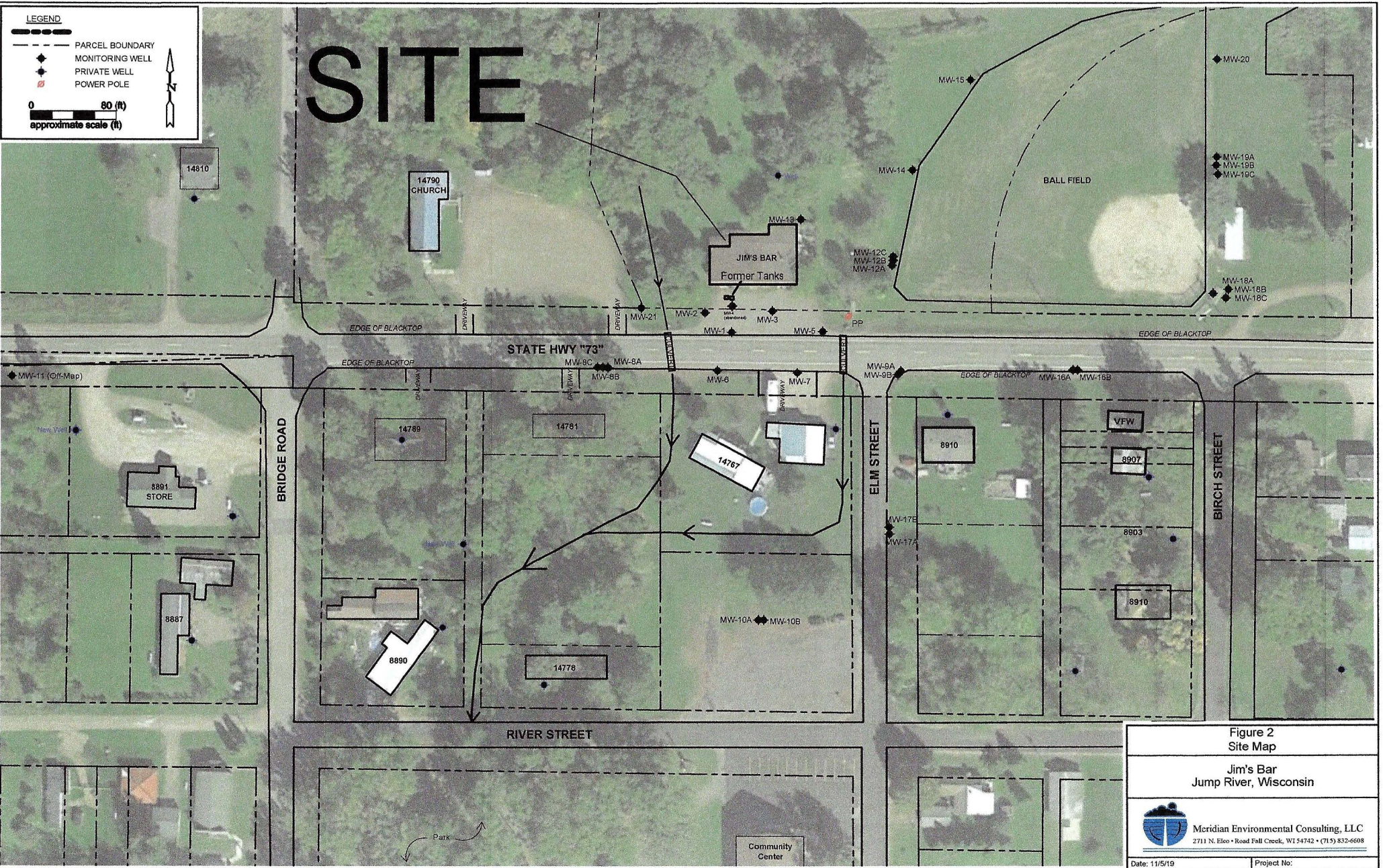


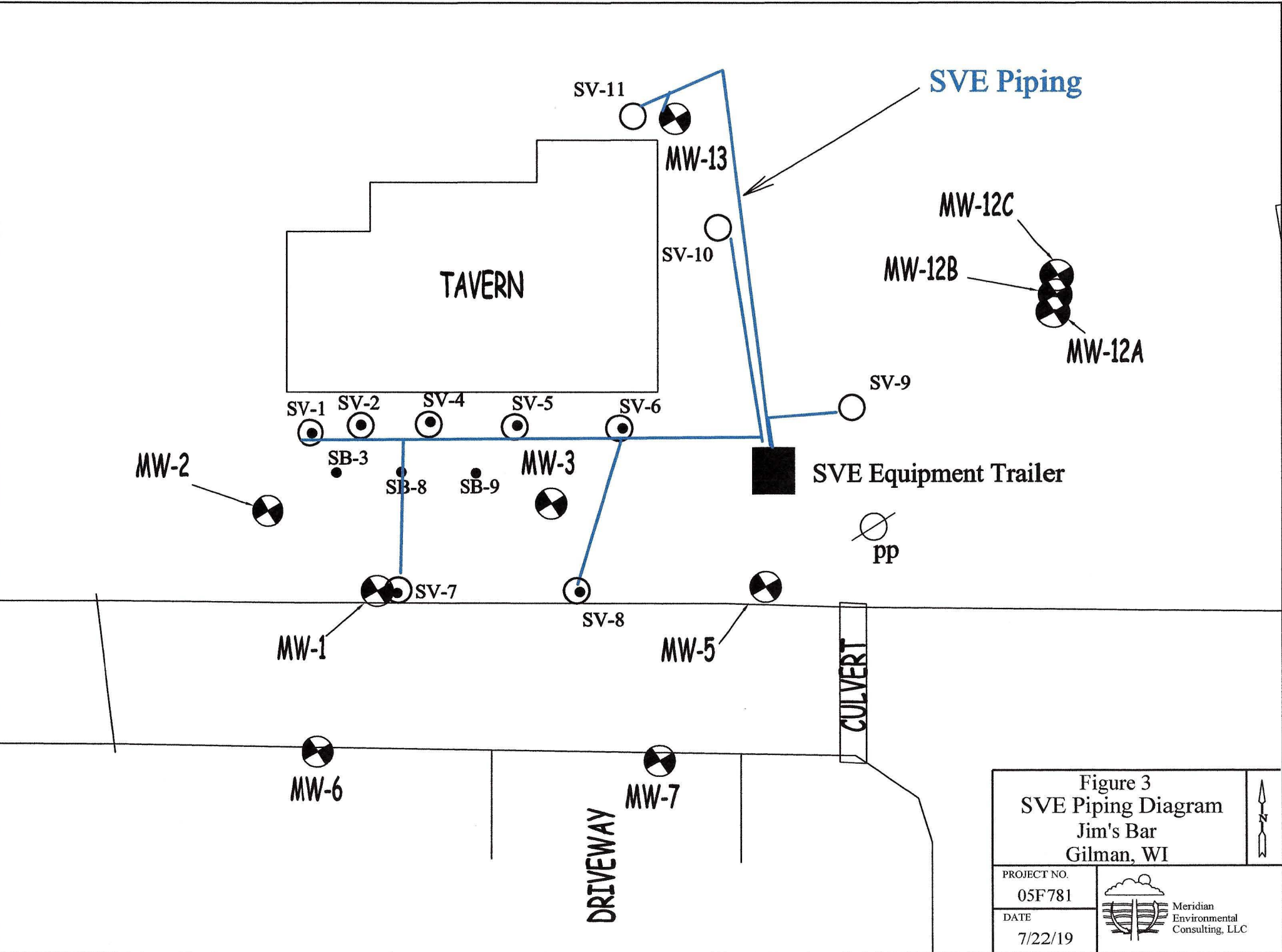
Figure 2  
Site Map

Jim's Bar  
Jump River, Wisconsin

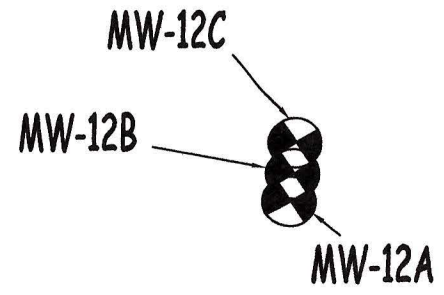
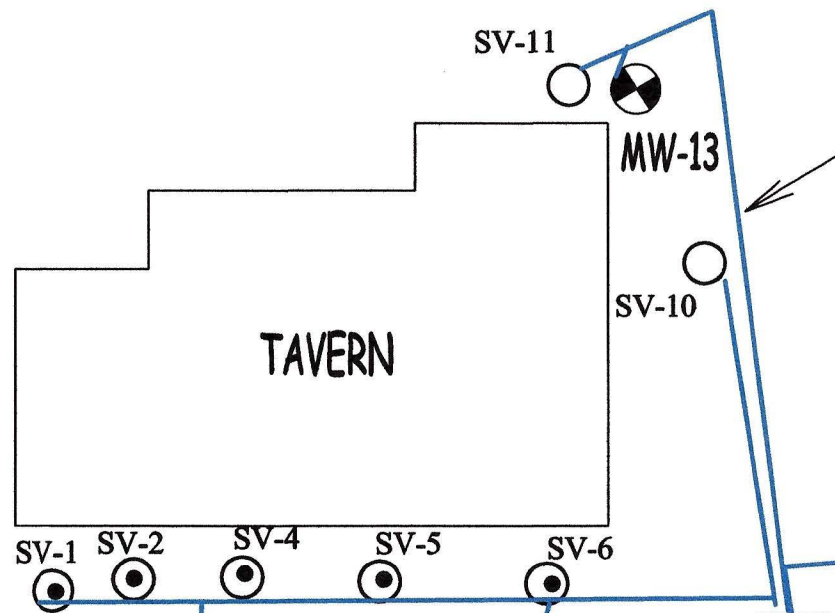
Meridian Environmental Consulting, LLC  
2711 N. Elco • Road Fall Creek, WI 54742 • (715) 832-6608

Date: 11/5/19      Project No:





SVE Piping



SVE Equipment Trailer

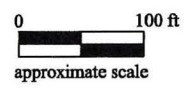
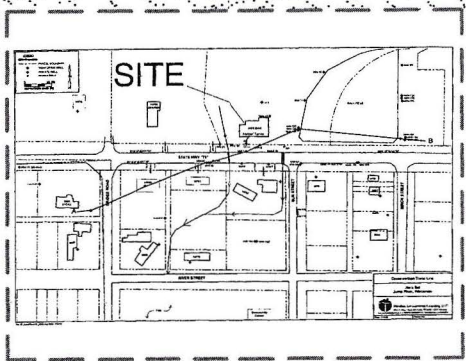
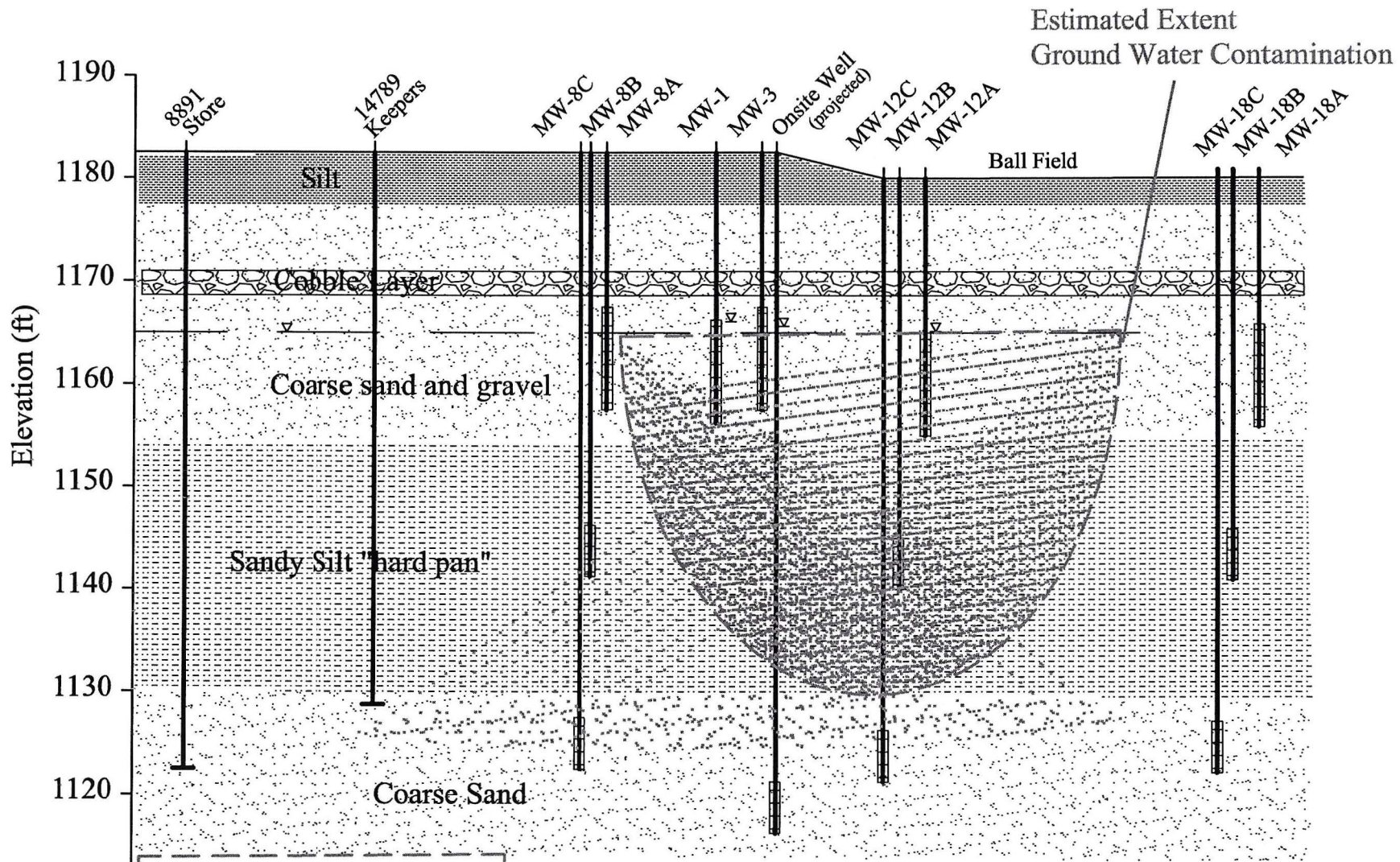
pp

CULVERT

DRIVEWAY

|   |         |  |   |
|---|---------|--|---|
| <p>Figure 3<br/>SVE Piping Diagram<br/>Jim's Bar<br/>Gilman, WI</p> |         |  |   |
| PROJECT NO.   | 05F781  |  | <p>Meridian<br/>Environmental<br/>Consulting, LLC</p> |
| DATE  | 7/22/19 |  |   |





|   |         |   |
|---|---------|---|
| <p>Figure 4<br/>Cross-Section<br/>Jim &amp; Cindy's Bar<br/>Jump River, Wisconsin</p> |         |   |
| PROJECT NO.   | 05F781  |   |
| DATE  | 7/23/19 | <p>Meridian<br/>Environmental<br/>Consulting, LLC</p> |



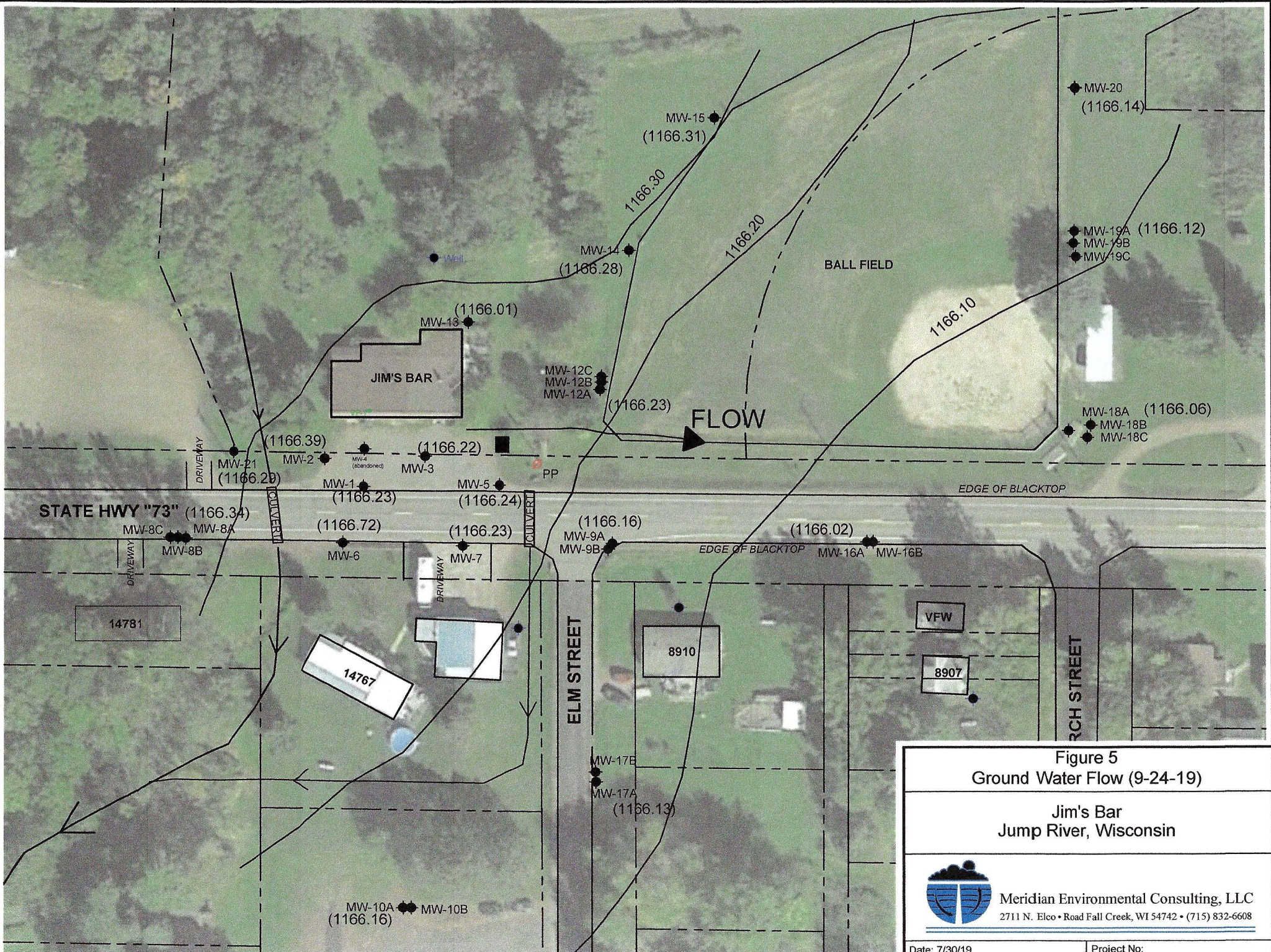


Figure 5  
Ground Water Flow (9-24-19)

Jim's Bar  
Jump River, Wisconsin



Meridian Environmental Consulting, LLC  
2711 N. Elco • Road Fall Creek, WI 54742 • (715) 832-6608

Date: 7/30/19

Project No:





Figure 6  
Ground Water Contamination (9-24-19)

Jim's Bar  
Jump River, Wisconsin



Meridian Environmental Consulting, LLC  
2711 N. Elco • Road Fall Creek, WI 54742 • (715) 832-6608

Date: 7/30/19

Project No:



# **APPENDIX A**

## **Ground Water Sampling Laboratory Reports**

October 03, 2019

Kenneth Shimko  
Meridian Environmental Consulting, LLC  
2711 North Elco Rd  
Fall Creek, WI 54742

RE: Project: JUMP RIVER  
Pace Project No.: 40196074

Dear Kenneth Shimko:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Brian Basten  
brian.basten@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: JUMP RIVER

Pace Project No.: 40196074

---

### Green Bay Certification IDs

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: JUMP RIVER

Pace Project No.: 40196074

| Lab ID      | Sample ID | Matrix | Date Collected | Date Received  |
|-------------|-----------|--------|----------------|----------------|
| 40196074001 | MW-1      | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074002 | MW-2      | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074003 | MW-3      | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074004 | MW-5      | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074005 | MW-6      | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074006 | MW-7      | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074007 | MW-8A     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074008 | MW-8B     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074009 | MW-8C     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074010 | MW-9A     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074011 | MW-9B     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074012 | MW-10A    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074013 | MW-10B    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074014 | MW-11     | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074015 | MW-12A    | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074016 | MW-12B    | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074017 | MW-12C    | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074018 | MW-13     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074019 | MW-14     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074020 | MW-15     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074021 | MW-16A    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074022 | MW-16B    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074023 | MW-17A    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074024 | MW-17B    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074025 | MW-18A    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074026 | MW-18B    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074027 | MW-18C    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074028 | MW-19A    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074029 | MW-19B    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074030 | MW-19C    | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074031 | MW-20     | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074032 | MW-21     | Water  | 09/24/19 00:00 | 09/27/19 09:40 |
| 40196074033 | BAR       | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074034 | 8903      | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074035 | 8897      | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074036 | STORE IN  | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074037 | STORE OUT | Water  | 09/25/19 00:00 | 09/27/19 09:40 |

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## SAMPLE SUMMARY

Project: JUMP RIVER  
Pace Project No.: 40196074

| Lab ID      | Sample ID  | Matrix | Date Collected | Date Received  |
|-------------|------------|--------|----------------|----------------|
| 40196074038 | 8910       | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074039 | 14789      | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074040 | 8890       | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074041 | 8887       | Water  | 09/25/19 00:00 | 09/27/19 09:40 |
| 40196074042 | TRIP BLANK | Water  | 09/25/19 00:00 | 09/27/19 09:40 |

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### SAMPLE ANALYTE COUNT

Project: JUMP RIVER  
Pace Project No.: 40196074

| Lab ID      | Sample ID | Method   | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|----------|----------|-------------------|------------|
| 40196074001 | MW-1      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074002 | MW-2      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074003 | MW-3      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074004 | MW-5      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074005 | MW-6      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074006 | MW-7      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074007 | MW-8A     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074008 | MW-8B     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074009 | MW-8C     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074010 | MW-9A     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074011 | MW-9B     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074012 | MW-10A    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074013 | MW-10B    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074014 | MW-11     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074015 | MW-12A    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074016 | MW-12B    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074017 | MW-12C    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074018 | MW-13     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074019 | MW-14     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074020 | MW-15     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074021 | MW-16A    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074022 | MW-16B    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074023 | MW-17A    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074024 | MW-17B    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074025 | MW-18A    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074026 | MW-18B    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074027 | MW-18C    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074028 | MW-19A    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074029 | MW-19B    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074030 | MW-19C    | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074031 | MW-20     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074032 | MW-21     | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074033 | BAR       | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074034 | 8903      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074035 | 8897      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074036 | STORE IN  | EPA 8260 | SMT      | 12                | PASI-G     |
| 40196074037 | STORE OUT | EPA 8260 | SMT      | 12                | PASI-G     |

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### SAMPLE ANALYTE COUNT

Project: JUMP RIVER

Pace Project No.: 40196074

| Lab ID      | Sample ID  | Method   | Analysts | Analytes Reported | Laboratory |
|-------------|------------|----------|----------|-------------------|------------|
| 40196074038 | 8910       | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074039 | 14789      | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074040 | 8890       | EPA 8260 | LAP      | 12                | PASI-G     |
| 40196074041 | 8887       | EPA 8260 | HNW      | 12                | PASI-G     |
| 40196074042 | TRIP BLANK | EPA 8260 | HNW      | 12                | PASI-G     |

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## PROJECT NARRATIVE

Project: JUMP RIVER  
Pace Project No.: 40196074

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**Method:** EPA 8260  
**Description:** 8260 MSV UST  
**Client:** Meridian Environmental Consulting, LLC  
**Date:** October 03, 2019

### General Information:

42 samples were analyzed for EPA 8260. 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.

### Continuing Calibration:

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

### Internal Standards:

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

### Surrogates:

All surrogates 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: 335684

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

- LCS (Lab ID: 1949423)
- Benzene

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 335684

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40196074027

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MSD (Lab ID: 1950279)
- Benzene

### Additional Comments:

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

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

**Sample: MW-1**      **Lab ID: 40196074001**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | 145     | ug/L  | 20.0   | 4.9  | 20 |          | 10/01/19 11:00 | 71-43-2     |      |
| Ethylbenzene                                    | 569     | ug/L  | 20.0   | 4.4  | 20 |          | 10/01/19 11:00 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <24.9   | ug/L  | 83.1   | 24.9 | 20 |          | 10/01/19 11:00 | 1634-04-4   |      |
| Naphthalene                                     | 192     | ug/L  | 100    | 23.5 | 20 |          | 10/01/19 11:00 | 91-20-3     |      |
| Toluene   | 2410    | ug/L  | 100    | 3.4  | 20 |          | 10/01/19 11:00 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | 1020    | ug/L  | 56.0   | 16.8 | 20 |          | 10/01/19 11:00 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | 278     | ug/L  | 58.2   | 17.5 | 20 |          | 10/01/19 11:00 | 108-67-8    |      |
| m&p-Xylene                                      | 2890    | ug/L  | 40.0   | 9.3  | 20 |          | 10/01/19 11:00 | 179601-23-1 |      |
| o-Xylene  | 1290    | ug/L  | 20.0   | 5.2  | 20 |          | 10/01/19 11:00 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 99      | %     | 70-130 |      | 20 |          | 10/01/19 11:00 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 106     | %     | 70-130 |      | 20 |          | 10/01/19 11:00 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 101     | %     | 70-130 |      | 20 |          | 10/01/19 11:00 | 460-00-4    |      |

**Sample: MW-2**      **Lab ID: 40196074002**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | 7.7     | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 09:32 | 71-43-2     |      |
| Ethylbenzene                                    | 65.7    | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 09:32 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 09:32 | 1634-04-4   |      |
| Naphthalene                                     | 19.4    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 09:32 | 91-20-3     |      |
| Toluene   | 35.0    | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 09:32 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | 177     | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 09:32 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | 102     | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 09:32 | 108-67-8    |      |
| m&p-Xylene                                      | 127     | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 09:32 | 179601-23-1 |      |
| o-Xylene  | 10.8    | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 09:32 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 99      | %     | 70-130 |      | 1  |          | 10/01/19 09:32 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 100     | %     | 70-130 |      | 1  |          | 10/01/19 09:32 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 103     | %     | 70-130 |      | 1  |          | 10/01/19 09:32 | 460-00-4    |      |

**Sample: MW-3**      **Lab ID: 40196074003**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.   | Qual |
|---|---------|-------|------|------|----|----------|----------------|-----------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |           |      |
| Benzene   | 44.4    | ug/L  | 20.0 | 4.9  | 20 |          | 10/01/19 11:22 | 71-43-2   |      |
| Ethylbenzene                                    | 658     | ug/L  | 20.0 | 4.4  | 20 |          | 10/01/19 11:22 | 100-41-4  |      |
| Methyl-tert-butyl ether                         | <24.9   | ug/L  | 83.1 | 24.9 | 20 |          | 10/01/19 11:22 | 1634-04-4 |      |
| Naphthalene                                     | 304     | ug/L  | 100  | 23.5 | 20 |          | 10/01/19 11:22 | 91-20-3   |      |
| Toluene   | 456     | ug/L  | 100  | 3.4  | 20 |          | 10/01/19 11:22 | 108-88-3  |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER

Pace Project No.: 40196074

| Sample: MW-3      Lab ID: 40196074003      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| 1,2,4-Trimethylbenzene  | 1840    | ug/L  | 56.0   | 16.8 | 20 |          | 10/01/19 11:22 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | 569     | ug/L  | 58.2   | 17.5 | 20 |          | 10/01/19 11:22 | 108-67-8    |      |
| m&p-Xylene  | 2260    | ug/L  | 40.0   | 9.3  | 20 |          | 10/01/19 11:22 | 179601-23-1 |      |
| o-Xylene  | 293     | ug/L  | 20.0   | 5.2  | 20 |          | 10/01/19 11:22 | 95-47-6     |      |
| <b>Surrogates</b>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 96      | %     | 70-130 |      | 20 |          | 10/01/19 11:22 | 1868-53-7   |      |
| Toluene-d8 (S)  | 101     | %     | 70-130 |      | 20 |          | 10/01/19 11:22 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 98      | %     | 70-130 |      | 20 |          | 10/01/19 11:22 | 460-00-4    |      |

| Sample: MW-5      Lab ID: 40196074004      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| Benzene   | 2.3J    | ug/L  | 5.0    | 1.2  | 5  |          | 10/01/19 10:16 | 71-43-2     |      |
| Ethylbenzene  | 258     | ug/L  | 5.0    | 1.1  | 5  |          | 10/01/19 10:16 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <6.2    | ug/L  | 20.8   | 6.2  | 5  |          | 10/01/19 10:16 | 1634-04-4   |      |
| Naphthalene   | 152     | ug/L  | 25.0   | 5.9  | 5  |          | 10/01/19 10:16 | 91-20-3     |      |
| Toluene   | 38.4    | ug/L  | 25.0   | 0.86 | 5  |          | 10/01/19 10:16 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | 1140    | ug/L  | 14.0   | 4.2  | 5  |          | 10/01/19 10:16 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | 426     | ug/L  | 14.6   | 4.4  | 5  |          | 10/01/19 10:16 | 108-67-8    |      |
| m&p-Xylene  | 457     | ug/L  | 10.0   | 2.3  | 5  |          | 10/01/19 10:16 | 179601-23-1 |      |
| o-Xylene  | 52.4    | ug/L  | 5.0    | 1.3  | 5  |          | 10/01/19 10:16 | 95-47-6     |      |
| <b>Surrogates</b>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 100     | %     | 70-130 |      | 5  |          | 10/01/19 10:16 | 1868-53-7   |      |
| Toluene-d8 (S)  | 102     | %     | 70-130 |      | 5  |          | 10/01/19 10:16 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 98      | %     | 70-130 |      | 5  |          | 10/01/19 10:16 | 460-00-4    |      |

| Sample: MW-6      Lab ID: 40196074005      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |      |      |    |          |                |             |      |
|---|---------|-------|------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |      |      |    |          |                |             |      |
| Benzene   | 2.9J    | ug/L  | 10.0 | 2.5  | 10 |          | 10/01/19 10:38 | 71-43-2     |      |
| Ethylbenzene  | 219     | ug/L  | 10.0 | 2.2  | 10 |          | 10/01/19 10:38 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <12.5   | ug/L  | 41.5 | 12.5 | 10 |          | 10/01/19 10:38 | 1634-04-4   |      |
| Naphthalene   | 84.6    | ug/L  | 50.0 | 11.8 | 10 |          | 10/01/19 10:38 | 91-20-3     |      |
| Toluene   | 161     | ug/L  | 50.0 | 1.7  | 10 |          | 10/01/19 10:38 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | 1470    | ug/L  | 28.0 | 8.4  | 10 |          | 10/01/19 10:38 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | 780     | ug/L  | 29.1 | 8.7  | 10 |          | 10/01/19 10:38 | 108-67-8    |      |
| m&p-Xylene  | 887     | ug/L  | 20.0 | 4.7  | 10 |          | 10/01/19 10:38 | 179601-23-1 |      |
| o-Xylene  | 207     | ug/L  | 10.0 | 2.6  | 10 |          | 10/01/19 10:38 | 95-47-6     |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

| Sample: MW-6      Lab ID: 40196074005      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |     |    |          |                |           |      |
|---|---------|-------|--------|-----|----|----------|----------------|-----------|------|
| Parameters  | Results | Units | LOQ    | LOD | DF | Prepared | Analyzed       | CAS No.   | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |     |    |          |                |           |      |
| <i>Surrogates</i>   |         |       |        |     |    |          |                |           |      |
| Dibromofluoromethane (S)  | 98      | %     | 70-130 |     | 10 |          | 10/01/19 10:38 | 1868-53-7 |      |
| Toluene-d8 (S)  | 105     | %     | 70-130 |     | 10 |          | 10/01/19 10:38 | 2037-26-5 |      |
| 4-Bromofluorobenzene (S)  | 100     | %     | 70-130 |     | 10 |          | 10/01/19 10:38 | 460-00-4  |      |

| Sample: MW-7      Lab ID: 40196074006      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 08:25 | 71-43-2     |      |
| Ethylbenzene  | 1.5     | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 08:25 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 08:25 | 1634-04-4   |      |
| Naphthalene   | 1.6J    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 08:25 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 08:25 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | 3.0     | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 08:25 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | 2.1J    | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 08:25 | 108-67-8    |      |
| m&p-Xylene  | 2.1     | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 08:25 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 08:25 | 95-47-6     |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 102     | %     | 70-130 |      | 1  |          | 10/01/19 08:25 | 1868-53-7   |      |
| Toluene-d8 (S)  | 99      | %     | 70-130 |      | 1  |          | 10/01/19 08:25 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 92      | %     | 70-130 |      | 1  |          | 10/01/19 08:25 | 460-00-4    |      |

| Sample: MW-8A      Lab ID: 40196074007      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|--|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters   | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260  |         |       |        |      |    |          |                |             |      |
| <i>Surrogates</i>  |         |       |        |      |    |          |                |             |      |
| Benzene  | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 21:15 | 71-43-2     |      |
| Ethylbenzene   | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 09/30/19 21:15 | 100-41-4    |      |
| Methyl-tert-butyl ether  | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 21:15 | 1634-04-4   |      |
| Naphthalene  | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 21:15 | 91-20-3     |      |
| Toluene  | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 21:15 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene   | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 21:15 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene   | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 21:15 | 108-67-8    |      |
| m&p-Xylene   | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 21:15 | 179601-23-1 |      |
| o-Xylene   | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 21:15 | 95-47-6     |      |
| <i>Surrogates</i>  |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)   | 103     | %     | 70-130 |      | 1  |          | 09/30/19 21:15 | 1868-53-7   |      |
| Toluene-d8 (S)   | 102     | %     | 70-130 |      | 1  |          | 09/30/19 21:15 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)   | 90      | %     | 70-130 |      | 1  |          | 09/30/19 21:15 | 460-00-4    |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

Sample: MW-8B Lab ID: 40196074008 Collected: 09/24/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 21:37 | 71-43-2     |      |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 09/30/19 21:37 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 21:37 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 21:37 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 21:37 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 21:37 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 21:37 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 21:37 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 21:37 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 100     | %     | 70-130 |      | 1  |          | 09/30/19 21:37 | 1868-53-7   | HS   |
| Toluene-d8 (S)                                  | 104     | %     | 70-130 |      | 1  |          | 09/30/19 21:37 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 88      | %     | 70-130 |      | 1  |          | 09/30/19 21:37 | 460-00-4    |      |

Sample: MW-8C Lab ID: 40196074009 Collected: 09/24/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 20:53 | 71-43-2     |      |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 07:41 | 100-41-4    | HS   |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 20:53 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 20:53 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 20:53 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 20:53 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 20:53 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 07:41 | 179601-23-1 | HS   |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 20:53 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 102     | %     | 70-130 |      | 1  |          | 09/30/19 20:53 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 101     | %     | 70-130 |      | 1  |          | 09/30/19 20:53 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 89      | %     | 70-130 |      | 1  |          | 09/30/19 20:53 | 460-00-4    |      |

Sample: MW-9A Lab ID: 40196074010 Collected: 09/24/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.   | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-----------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |           |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 09/30/19 21:59 | 71-43-2   |      |
| Ethylbenzene                                    | 0.47J   | ug/L  | 1.0 | 0.22 | 1  |          | 09/30/19 21:59 | 100-41-4  |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 09/30/19 21:59 | 1634-04-4 |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 09/30/19 21:59 | 91-20-3   |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 09/30/19 21:59 | 108-88-3  |      |

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## ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

**Sample: MW-9A**      **Lab ID: 40196074010**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 21:59 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 21:59 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 21:59 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 21:59 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 100     | %     | 70-130 |      | 1  |          | 09/30/19 21:59 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 102     | %     | 70-130 |      | 1  |          | 09/30/19 21:59 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 91      | %     | 70-130 |      | 1  |          | 09/30/19 21:59 | 460-00-4    |      |

**Sample: MW-9B**      **Lab ID: 40196074011**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | 1.0     | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 22:21 | 71-43-2     |      |
| Ethylbenzene                                    | 6.9     | ug/L  | 1.0    | 0.22 | 1  |          | 09/30/19 22:21 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 22:21 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 22:21 | 91-20-3     |      |
| Toluene   | 1.3J    | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 22:21 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 22:21 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 22:21 | 108-67-8    |      |
| m&p-Xylene                                      | 0.68J   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 22:21 | 179601-23-1 |      |
| o-Xylene  | 0.74J   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 22:21 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 100     | %     | 70-130 |      | 1  |          | 09/30/19 22:21 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 102     | %     | 70-130 |      | 1  |          | 09/30/19 22:21 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 89      | %     | 70-130 |      | 1  |          | 09/30/19 22:21 | 460-00-4    |      |

**Sample: MW-10A**      **Lab ID: 40196074012**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 09/30/19 22:44 | 71-43-2     |      |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 09/30/19 22:44 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 09/30/19 22:44 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 09/30/19 22:44 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 09/30/19 22:44 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8 | 0.84 | 1  |          | 09/30/19 22:44 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9 | 0.87 | 1  |          | 09/30/19 22:44 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0 | 0.47 | 1  |          | 09/30/19 22:44 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0 | 0.26 | 1  |          | 09/30/19 22:44 | 95-47-6     |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

| Sample: MW-10A Lab ID: 40196074012 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |     |    |          |                |           |      |
|---|---------|-------|--------|-----|----|----------|----------------|-----------|------|
| Parameters  | Results | Units | LOQ    | LOD | DF | Prepared | Analyzed       | CAS No.   | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |     |    |          |                |           |      |
| <i>Surrogates</i>   |         |       |        |     |    |          |                |           |      |
| Dibromofluoromethane (S)  | 100     | %     | 70-130 |     | 1  |          | 09/30/19 22:44 | 1868-53-7 |      |
| Toluene-d8 (S)  | 98      | %     | 70-130 |     | 1  |          | 09/30/19 22:44 | 2037-26-5 |      |
| 4-Bromofluorobenzene (S)  | 88      | %     | 70-130 |     | 1  |          | 09/30/19 22:44 | 460-00-4  |      |

| Sample: MW-10B Lab ID: 40196074013 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 23:06 | 71-43-2     |      |
| Ethylbenzene  | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 09/30/19 23:06 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 23:06 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 23:06 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 23:06 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 23:06 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 23:06 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 23:06 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 23:06 | 95-47-6     |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 101     | %     | 70-130 |      | 1  |          | 09/30/19 23:06 | 1868-53-7   |      |
| Toluene-d8 (S)  | 105     | %     | 70-130 |      | 1  |          | 09/30/19 23:06 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 88      | %     | 70-130 |      | 1  |          | 09/30/19 23:06 | 460-00-4    |      |

| Sample: MW-11 Lab ID: 40196074014 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |      |    |          |                |             |      |
|--|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters   | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260  |         |       |        |      |    |          |                |             |      |
| <i>Surrogates</i>  |         |       |        |      |    |          |                |             |      |
| Benzene  | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 23:28 | 71-43-2     |      |
| Ethylbenzene   | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 09/30/19 23:28 | 100-41-4    |      |
| Methyl-tert-butyl ether  | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 23:28 | 1634-04-4   |      |
| Naphthalene  | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 23:28 | 91-20-3     |      |
| Toluene  | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 23:28 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene   | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 23:28 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene   | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 23:28 | 108-67-8    |      |
| m&p-Xylene   | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 23:28 | 179601-23-1 |      |
| o-Xylene   | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 23:28 | 95-47-6     |      |
| <i>Surrogates</i>  |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)   | 104     | %     | 70-130 |      | 1  |          | 09/30/19 23:28 | 1868-53-7   |      |
| Toluene-d8 (S)   | 105     | %     | 70-130 |      | 1  |          | 09/30/19 23:28 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)   | 84      | %     | 70-130 |      | 1  |          | 09/30/19 23:28 | 460-00-4    |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER

Pace Project No.: 40196074

**Sample: MW-12A**      **Lab ID: 40196074015**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF  | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|-----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |     |          |                |             |      |
| Benzene   | 44.8    | ug/L  | 1.0    | 0.25 | 1   |          | 10/01/19 00:12 | 71-43-2     |      |
| Ethylbenzene                                    | 1740    | ug/L  | 100    | 21.8 | 100 |          | 10/01/19 11:44 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1   |          | 10/01/19 00:12 | 1634-04-4   |      |
| Naphthalene                                     | 404J    | ug/L  | 500    | 118  | 100 |          | 10/01/19 11:44 | 91-20-3     |      |
| Toluene   | 803     | ug/L  | 500    | 17.2 | 100 |          | 10/01/19 11:44 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | 1730    | ug/L  | 280    | 84.1 | 100 |          | 10/01/19 11:44 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | 537     | ug/L  | 291    | 87.3 | 100 |          | 10/01/19 11:44 | 108-67-8    |      |
| m&p-Xylene                                      | 5630    | ug/L  | 200    | 46.5 | 100 |          | 10/01/19 11:44 | 179601-23-1 |      |
| o-Xylene  | 239     | ug/L  | 100    | 26.2 | 100 |          | 10/01/19 11:44 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |     |          |                |             |      |
| Dibromofluoromethane (S)                        | 98      | %     | 70-130 |      | 1   |          | 10/01/19 00:12 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 100     | %     | 70-130 |      | 1   |          | 10/01/19 00:12 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 113     | %     | 70-130 |      | 1   |          | 10/01/19 00:12 | 460-00-4    |      |

**Sample: MW-12B**      **Lab ID: 40196074016**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | 78.1    | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 08:47 | 71-43-2     |      |
| Ethylbenzene                                    | 0.69J   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 08:47 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 08:47 | 1634-04-4   |      |
| Naphthalene                                     | 3.2J    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 08:47 | 91-20-3     |      |
| Toluene   | 0.63J   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 08:47 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 08:47 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 08:47 | 108-67-8    |      |
| m&p-Xylene                                      | 1.2J    | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 08:47 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 08:47 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 100     | %     | 70-130 |      | 1  |          | 10/01/19 08:47 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 99      | %     | 70-130 |      | 1  |          | 10/01/19 08:47 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 94      | %     | 70-130 |      | 1  |          | 10/01/19 08:47 | 460-00-4    |      |

**Sample: MW-12C**      **Lab ID: 40196074017**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.   | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-----------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |           |      |
| Benzene   | 0.56J   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 08:03 | 71-43-2   |      |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 08:03 | 100-41-4  |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 08:03 | 1634-04-4 |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 08:03 | 91-20-3   |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 08:03 | 108-88-3  |      |

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## ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

**Sample: MW-12C**      **Lab ID: 40196074017**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 08:03 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 08:03 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 08:03 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 08:03 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 104     | %     | 70-130 |      | 1  |          | 10/01/19 08:03 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 108     | %     | 70-130 |      | 1  |          | 10/01/19 08:03 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 92      | %     | 70-130 |      | 1  |          | 10/01/19 08:03 | 460-00-4    |      |

**Sample: MW-13**      **Lab ID: 40196074018**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | 1.7     | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 09:10 | 71-43-2     |      |
| Ethylbenzene                                    | 2.1     | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 09:10 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 09:10 | 1634-04-4   |      |
| Naphthalene                                     | 1.9J    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 09:10 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 09:10 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | 29.7    | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 09:10 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | 4.3     | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 09:10 | 108-67-8    |      |
| m&p-Xylene                                      | 4.7     | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 09:10 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 09:10 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 101     | %     | 70-130 |      | 1  |          | 10/01/19 09:10 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 103     | %     | 70-130 |      | 1  |          | 10/01/19 09:10 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 95      | %     | 70-130 |      | 1  |          | 10/01/19 09:10 | 460-00-4    |      |

**Sample: MW-14**      **Lab ID: 40196074019**      Collected: 09/24/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ  | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |      |      |    |          |                |             |      |
| Benzene   | 0.85J   | ug/L  | 2.0  | 0.49 | 2  |          | 10/01/19 09:54 | 71-43-2     |      |
| Ethylbenzene                                    | 26.2    | ug/L  | 2.0  | 0.44 | 2  |          | 10/01/19 09:54 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <2.5    | ug/L  | 8.3  | 2.5  | 2  |          | 10/01/19 09:54 | 1634-04-4   |      |
| Naphthalene                                     | 25.5    | ug/L  | 10.0 | 2.4  | 2  |          | 10/01/19 09:54 | 91-20-3     |      |
| Toluene   | 0.49J   | ug/L  | 10.0 | 0.34 | 2  |          | 10/01/19 09:54 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | 174     | ug/L  | 5.6  | 1.7  | 2  |          | 10/01/19 09:54 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | 70.0    | ug/L  | 5.8  | 1.7  | 2  |          | 10/01/19 09:54 | 108-67-8    |      |
| m&p-Xylene                                      | 48.9    | ug/L  | 4.0  | 0.93 | 2  |          | 10/01/19 09:54 | 179601-23-1 |      |
| o-Xylene  | 5.4     | ug/L  | 2.0  | 0.52 | 2  |          | 10/01/19 09:54 | 95-47-6     |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER

Pace Project No.: 40196074

| Sample: MW-14               |         |       |        |     |    |          |                |           |      |
|-----------------------------|---------|-------|--------|-----|----|----------|----------------|-----------|------|
| Lab ID: 40196074019         |         |       |        |     |    |          |                |           |      |
| Collected: 09/24/19 00:00   |         |       |        |     |    |          |                |           |      |
| Received: 09/27/19 09:40    |         |       |        |     |    |          |                |           |      |
| Matrix: Water               |         |       |        |     |    |          |                |           |      |
| Parameters                  | Results | Units | LOQ    | LOD | DF | Prepared | Analyzed       | CAS No.   | Qual |
| <b>8260 MSV UST</b>         |         |       |        |     |    |          |                |           |      |
| Analytical Method: EPA 8260 |         |       |        |     |    |          |                |           |      |
| <b>Surrogates</b>           |         |       |        |     |    |          |                |           |      |
| Dibromofluoromethane (S)    | 101     | %     | 70-130 |     | 2  |          | 10/01/19 09:54 | 1868-53-7 |      |
| Toluene-d8 (S)              | 103     | %     | 70-130 |     | 2  |          | 10/01/19 09:54 | 2037-26-5 |      |
| 4-Bromofluorobenzene (S)    | 96      | %     | 70-130 |     | 2  |          | 10/01/19 09:54 | 460-00-4  |      |

| Sample: MW-15               |         |       |        |      |    |          |                |             |      |
|-----------------------------|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Lab ID: 40196074020         |         |       |        |      |    |          |                |             |      |
| Collected: 09/24/19 00:00   |         |       |        |      |    |          |                |             |      |
| Received: 09/27/19 09:40    |         |       |        |      |    |          |                |             |      |
| Matrix: Water               |         |       |        |      |    |          |                |             |      |
| Parameters                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b>         |         |       |        |      |    |          |                |             |      |
| Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| <b>Surrogates</b>           |         |       |        |      |    |          |                |             |      |
| Benzene                     | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 09/30/19 23:50 | 71-43-2     |      |
| Ethylbenzene                | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 09/30/19 23:50 | 100-41-4    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 09/30/19 23:50 | 1634-04-4   |      |
| Naphthalene                 | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 09/30/19 23:50 | 91-20-3     |      |
| Toluene                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 09/30/19 23:50 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 09/30/19 23:50 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 09/30/19 23:50 | 108-67-8    |      |
| m&p-Xylene                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 09/30/19 23:50 | 179601-23-1 |      |
| o-Xylene                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 09/30/19 23:50 | 95-47-6     |      |
| <b>Surrogates</b>           |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)    | 101     | %     | 70-130 |      | 1  |          | 09/30/19 23:50 | 1868-53-7   |      |
| Toluene-d8 (S)              | 106     | %     | 70-130 |      | 1  |          | 09/30/19 23:50 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)    | 94      | %     | 70-130 |      | 1  |          | 09/30/19 23:50 | 460-00-4    |      |

| Sample: MW-16A              |         |       |        |      |    |          |                |             |      |
|-----------------------------|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Lab ID: 40196074021         |         |       |        |      |    |          |                |             |      |
| Collected: 09/25/19 00:00   |         |       |        |      |    |          |                |             |      |
| Received: 09/27/19 09:40    |         |       |        |      |    |          |                |             |      |
| Matrix: Water               |         |       |        |      |    |          |                |             |      |
| Parameters                  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b>         |         |       |        |      |    |          |                |             |      |
| Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| <b>Surrogates</b>           |         |       |        |      |    |          |                |             |      |
| Benzene                     | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 08:52 | 71-43-2     | L3   |
| Ethylbenzene                | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 08:52 | 100-41-4    |      |
| Methyl-tert-butyl ether     | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 08:52 | 1634-04-4   |      |
| Naphthalene                 | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 08:52 | 91-20-3     |      |
| Toluene                     | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 08:52 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene      | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 08:52 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene      | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 08:52 | 108-67-8    |      |
| m&p-Xylene                  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 08:52 | 179601-23-1 |      |
| o-Xylene                    | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 08:52 | 95-47-6     |      |
| <b>Surrogates</b>           |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)    | 111     | %     | 70-130 |      | 1  |          | 10/01/19 08:52 | 1868-53-7   |      |
| Toluene-d8 (S)              | 101     | %     | 70-130 |      | 1  |          | 10/01/19 08:52 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)    | 97      | %     | 70-130 |      | 1  |          | 10/01/19 08:52 | 460-00-4    |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

**Sample: MW-16B**      **Lab ID: 40196074022**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 09:16 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 09:16 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 09:16 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 09:16 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 09:16 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 09:16 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 09:16 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 09:16 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 09:16 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 112     | %     | 70-130 |      | 1  |          | 10/01/19 09:16 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 99      | %     | 70-130 |      | 1  |          | 10/01/19 09:16 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 97      | %     | 70-130 |      | 1  |          | 10/01/19 09:16 | 460-00-4    |      |

**Sample: MW-17A**      **Lab ID: 40196074023**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 09:39 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 09:39 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 09:39 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 09:39 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 09:39 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 09:39 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 09:39 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 09:39 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 09:39 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 116     | %     | 70-130 |      | 1  |          | 10/01/19 09:39 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 100     | %     | 70-130 |      | 1  |          | 10/01/19 09:39 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 97      | %     | 70-130 |      | 1  |          | 10/01/19 09:39 | 460-00-4    |      |

**Sample: MW-17B**      **Lab ID: 40196074024**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.   | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-----------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |           |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 10:03 | 71-43-2   | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 10:03 | 100-41-4  |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 10:03 | 1634-04-4 |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 10:03 | 91-20-3   |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 10:03 | 108-88-3  |      |

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## ANALYTICAL RESULTS

Project: JUMP RIVER

Pace Project No.: 40196074

**Sample: MW-17B**      **Lab ID: 40196074024**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 10:03 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 10:03 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 10:03 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 10:03 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 113     | %     | 70-130 |      | 1  |          | 10/01/19 10:03 | 1868-53-7   | HS   |
| Toluene-d8 (S)                                  | 102     | %     | 70-130 |      | 1  |          | 10/01/19 10:03 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 100     | %     | 70-130 |      | 1  |          | 10/01/19 10:03 | 460-00-4    |      |

**Sample: MW-18A**      **Lab ID: 40196074025**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 10:27 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 10:27 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 10:27 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 10:27 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 10:27 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 10:27 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 10:27 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 10:27 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 10:27 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 116     | %     | 70-130 |      | 1  |          | 10/01/19 10:27 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 99      | %     | 70-130 |      | 1  |          | 10/01/19 10:27 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 98      | %     | 70-130 |      | 1  |          | 10/01/19 10:27 | 460-00-4    |      |

**Sample: MW-18B**      **Lab ID: 40196074026**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 10:50 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 10:50 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 10:50 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 10:50 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 10:50 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8 | 0.84 | 1  |          | 10/01/19 10:50 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9 | 0.87 | 1  |          | 10/01/19 10:50 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0 | 0.47 | 1  |          | 10/01/19 10:50 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0 | 0.26 | 1  |          | 10/01/19 10:50 | 95-47-6     |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER

Pace Project No.: 40196074

**Sample: MW-18B**      **Lab ID: 40196074026**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD | DF | Prepared | Analyzed       | CAS No.   | Qual |
|---|---------|-------|--------|-----|----|----------|----------------|-----------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |     |    |          |                |           |      |
| <i>Surrogates</i>                               |         |       |        |     |    |          |                |           |      |
| Dibromofluoromethane (S)                        | 115     | %     | 70-130 |     | 1  |          | 10/01/19 10:50 | 1868-53-7 |      |
| Toluene-d8 (S)                                  | 101     | %     | 70-130 |     | 1  |          | 10/01/19 10:50 | 2037-26-5 |      |
| 4-Bromofluorobenzene (S)                        | 98      | %     | 70-130 |     | 1  |          | 10/01/19 10:50 | 460-00-4  |      |

**Sample: MW-18C**      **Lab ID: 40196074027**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual  |
|---|---------|-------|--------|------|----|----------|----------------|-------------|-------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |       |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 11:14 | 71-43-2     | L3,M0 |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 11:14 | 100-41-4    |       |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 11:14 | 1634-04-4   |       |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 11:14 | 91-20-3     |       |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 11:14 | 108-88-3    |       |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 11:14 | 95-63-6     |       |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 11:14 | 108-67-8    |       |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 11:14 | 179601-23-1 |       |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 11:14 | 95-47-6     |       |
| <i>Surrogates</i>                               |         |       |        |      |    |          |                |             |       |
| Dibromofluoromethane (S)                        | 112     | %     | 70-130 |      | 1  |          | 10/01/19 11:14 | 1868-53-7   |       |
| Toluene-d8 (S)                                  | 103     | %     | 70-130 |      | 1  |          | 10/01/19 11:14 | 2037-26-5   |       |
| 4-Bromofluorobenzene (S)                        | 98      | %     | 70-130 |      | 1  |          | 10/01/19 11:14 | 460-00-4    |       |

**Sample: MW-19A**      **Lab ID: 40196074028**      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 11:38 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 11:38 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 11:38 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 11:38 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 11:38 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 11:38 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 11:38 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 11:38 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 11:38 | 95-47-6     |      |
| <i>Surrogates</i>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 114     | %     | 70-130 |      | 1  |          | 10/01/19 11:38 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 101     | %     | 70-130 |      | 1  |          | 10/01/19 11:38 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 98      | %     | 70-130 |      | 1  |          | 10/01/19 11:38 | 460-00-4    |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

Sample: MW-19B Lab ID: 40196074029 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 12:01 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 12:01 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 12:01 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 12:01 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 12:01 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 12:01 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 12:01 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 12:01 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 12:01 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 119     | %     | 70-130 |      | 1  |          | 10/01/19 12:01 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 102     | %     | 70-130 |      | 1  |          | 10/01/19 12:01 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 97      | %     | 70-130 |      | 1  |          | 10/01/19 12:01 | 460-00-4    |      |

Sample: MW-19C Lab ID: 40196074030 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 12:25 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 12:25 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 12:25 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 12:25 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 12:25 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 12:25 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 12:25 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 12:25 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 12:25 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 116     | %     | 70-130 |      | 1  |          | 10/01/19 12:25 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 101     | %     | 70-130 |      | 1  |          | 10/01/19 12:25 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 96      | %     | 70-130 |      | 1  |          | 10/01/19 12:25 | 460-00-4    |      |

Sample: MW-20 Lab ID: 40196074031 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.   | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-----------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |           |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 12:49 | 71-43-2   | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 12:49 | 100-41-4  |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 12:49 | 1634-04-4 |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 12:49 | 91-20-3   |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 12:49 | 108-88-3  |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

Sample: MW-20 Lab ID: 40196074031 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 12:49 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 12:49 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 12:49 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 12:49 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 116     | %     | 70-130 |      | 1  |          | 10/01/19 12:49 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 103     | %     | 70-130 |      | 1  |          | 10/01/19 12:49 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 96      | %     | 70-130 |      | 1  |          | 10/01/19 12:49 | 460-00-4    |      |

Sample: MW-21 Lab ID: 40196074032 Collected: 09/24/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 13:12 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 13:12 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 13:12 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 13:12 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 13:12 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 13:12 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 13:12 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 13:12 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 13:12 | 95-47-6     |      |
| <b>Surrogates</b>                               |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)                        | 118     | %     | 70-130 |      | 1  |          | 10/01/19 13:12 | 1868-53-7   |      |
| Toluene-d8 (S)                                  | 103     | %     | 70-130 |      | 1  |          | 10/01/19 13:12 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                        | 96      | %     | 70-130 |      | 1  |          | 10/01/19 13:12 | 460-00-4    |      |

Sample: BAR Lab ID: 40196074033 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water

| Parameters                                      | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
|---|---------|-------|-----|------|----|----------|----------------|-------------|------|
| <b>8260 MSV UST</b> Analytical Method: EPA 8260 |         |       |     |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 13:36 | 71-43-2     | L3   |
| Ethylbenzene                                    | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 13:36 | 100-41-4    |      |
| Methyl-tert-butyl ether                         | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 13:36 | 1634-04-4   |      |
| Naphthalene                                     | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 13:36 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 13:36 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene                          | <0.84   | ug/L  | 2.8 | 0.84 | 1  |          | 10/01/19 13:36 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene                          | <0.87   | ug/L  | 2.9 | 0.87 | 1  |          | 10/01/19 13:36 | 108-67-8    |      |
| m&p-Xylene                                      | <0.47   | ug/L  | 2.0 | 0.47 | 1  |          | 10/01/19 13:36 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0 | 0.26 | 1  |          | 10/01/19 13:36 | 95-47-6     |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

| Sample: BAR Lab ID: 40196074033 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |     |    |          |                |           |      |
|--|---------|-------|--------|-----|----|----------|----------------|-----------|------|
| Parameters   | Results | Units | LOQ    | LOD | DF | Prepared | Analyzed       | CAS No.   | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260  |         |       |        |     |    |          |                |           |      |
| <i>Surrogates</i>  |         |       |        |     |    |          |                |           |      |
| Dibromofluoromethane (S)   | 117     | %     | 70-130 |     | 1  |          | 10/01/19 13:36 | 1868-53-7 |      |
| Toluene-d8 (S)   | 103     | %     | 70-130 |     | 1  |          | 10/01/19 13:36 | 2037-26-5 |      |
| 4-Bromofluorobenzene (S)   | 98      | %     | 70-130 |     | 1  |          | 10/01/19 13:36 | 460-00-4  |      |

| Sample: 8903 Lab ID: 40196074034 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 14:00 | 71-43-2     | L3   |
| Ethylbenzene  | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 14:00 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 14:00 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 14:00 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 14:00 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 14:00 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 14:00 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 14:00 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 14:00 | 95-47-6     |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 116     | %     | 70-130 |      | 1  |          | 10/01/19 14:00 | 1868-53-7   |      |
| Toluene-d8 (S)  | 103     | %     | 70-130 |      | 1  |          | 10/01/19 14:00 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 99      | %     | 70-130 |      | 1  |          | 10/01/19 14:00 | 460-00-4    |      |

| Sample: 8897 Lab ID: 40196074035 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 14:24 | 71-43-2     | L3   |
| Ethylbenzene  | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 14:24 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 14:24 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 14:24 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 14:24 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 14:24 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 14:24 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 14:24 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 14:24 | 95-47-6     |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 121     | %     | 70-130 |      | 1  |          | 10/01/19 14:24 | 1868-53-7   | HS   |
| Toluene-d8 (S)  | 100     | %     | 70-130 |      | 1  |          | 10/01/19 14:24 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 96      | %     | 70-130 |      | 1  |          | 10/01/19 14:24 | 460-00-4    |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

| Sample: STORE IN      Lab ID: 40196074036      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| Benzene   | 0.30J   | ug/L  | 1.0    | 0.25 | 1  |          | 10/02/19 10:54 | 71-43-2     |      |
| Ethylbenzene  | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/02/19 10:54 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/02/19 10:54 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/02/19 10:54 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/02/19 10:54 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/02/19 10:54 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/02/19 10:54 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/02/19 10:54 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/02/19 10:54 | 95-47-6     |      |
| <b>Surrogates</b>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 110     | %     | 70-130 |      | 1  |          | 10/02/19 10:54 | 1868-53-7   |      |
| Toluene-d8 (S)  | 100     | %     | 70-130 |      | 1  |          | 10/02/19 10:54 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 97      | %     | 70-130 |      | 1  |          | 10/02/19 10:54 | 460-00-4    |      |

| Sample: STORE OUT      Lab ID: 40196074037      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|--|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters   | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260  |         |       |        |      |    |          |                |             |      |
| Benzene  | 3.6     | ug/L  | 1.0    | 0.25 | 1  |          | 10/02/19 11:13 | 71-43-2     |      |
| Ethylbenzene   | 0.49J   | ug/L  | 1.0    | 0.22 | 1  |          | 10/02/19 11:13 | 100-41-4    |      |
| Methyl-tert-butyl ether  | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/02/19 11:13 | 1634-04-4   |      |
| Naphthalene  | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/02/19 11:13 | 91-20-3     |      |
| Toluene  | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/02/19 11:13 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene   | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/02/19 11:13 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene   | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/02/19 11:13 | 108-67-8    |      |
| m&p-Xylene   | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/02/19 11:13 | 179601-23-1 |      |
| o-Xylene   | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/02/19 11:13 | 95-47-6     |      |
| <b>Surrogates</b>  |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)   | 110     | %     | 70-130 |      | 1  |          | 10/02/19 11:13 | 1868-53-7   |      |
| Toluene-d8 (S)   | 99      | %     | 70-130 |      | 1  |          | 10/02/19 11:13 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)   | 99      | %     | 70-130 |      | 1  |          | 10/02/19 11:13 | 460-00-4    |      |

| Sample: 8910      Lab ID: 40196074038      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |     |      |    |          |                |           |      |
|---|---------|-------|-----|------|----|----------|----------------|-----------|------|
| Parameters  | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.   | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |     |      |    |          |                |           |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 16:55 | 71-43-2   | L3   |
| Ethylbenzene  | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 16:55 | 100-41-4  |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 16:55 | 1634-04-4 |      |
| Naphthalene   | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 16:55 | 91-20-3   |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 16:55 | 108-88-3  |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

| Sample: 8910      Lab ID: 40196074038      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 16:55 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 16:55 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 16:55 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 16:55 | 95-47-6     |      |
| <b>Surrogates</b>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 117     | %     | 70-130 |      | 1  |          | 10/01/19 16:55 | 1868-53-7   |      |
| Toluene-d8 (S)  | 102     | %     | 70-130 |      | 1  |          | 10/01/19 16:55 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 99      | %     | 70-130 |      | 1  |          | 10/01/19 16:55 | 460-00-4    |      |

| Sample: 14789      Lab ID: 40196074039      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |        |      |    |          |                |             |      |
|--|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters   | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260  |         |       |        |      |    |          |                |             |      |
| Benzene  | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/01/19 17:18 | 71-43-2     | L3   |
| Ethylbenzene   | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/01/19 17:18 | 100-41-4    |      |
| Methyl-tert-butyl ether  | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/01/19 17:18 | 1634-04-4   |      |
| Naphthalene  | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/01/19 17:18 | 91-20-3     |      |
| Toluene  | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/01/19 17:18 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene   | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/01/19 17:18 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene   | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/01/19 17:18 | 108-67-8    |      |
| m&p-Xylene   | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/01/19 17:18 | 179601-23-1 |      |
| o-Xylene   | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/01/19 17:18 | 95-47-6     |      |
| <b>Surrogates</b>  |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)   | 123     | %     | 70-130 |      | 1  |          | 10/01/19 17:18 | 1868-53-7   |      |
| Toluene-d8 (S)   | 101     | %     | 70-130 |      | 1  |          | 10/01/19 17:18 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)   | 99      | %     | 70-130 |      | 1  |          | 10/01/19 17:18 | 460-00-4    |      |

| Sample: 8890      Lab ID: 40196074040      Collected: 09/25/19 00:00      Received: 09/27/19 09:40      Matrix: Water |         |       |     |      |    |          |                |             |      |
|---|---------|-------|-----|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |     |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0 | 0.25 | 1  |          | 10/01/19 17:42 | 71-43-2     | L3   |
| Ethylbenzene  | <0.22   | ug/L  | 1.0 | 0.22 | 1  |          | 10/01/19 17:42 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2 | 1.2  | 1  |          | 10/01/19 17:42 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0 | 1.2  | 1  |          | 10/01/19 17:42 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0 | 0.17 | 1  |          | 10/01/19 17:42 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8 | 0.84 | 1  |          | 10/01/19 17:42 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9 | 0.87 | 1  |          | 10/01/19 17:42 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0 | 0.47 | 1  |          | 10/01/19 17:42 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0 | 0.26 | 1  |          | 10/01/19 17:42 | 95-47-6     |      |

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### ANALYTICAL RESULTS

Project: JUMP RIVER  
Pace Project No.: 40196074

| Sample: 8890 Lab ID: 40196074040 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |     |    |          |                |           |      |
|---|---------|-------|--------|-----|----|----------|----------------|-----------|------|
| Parameters  | Results | Units | LOQ    | LOD | DF | Prepared | Analyzed       | CAS No.   | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |     |    |          |                |           |      |
| <i>Surrogates</i>   |         |       |        |     |    |          |                |           |      |
| Dibromofluoromethane (S)  | 120     | %     | 70-130 |     | 1  |          | 10/01/19 17:42 | 1868-53-7 |      |
| Toluene-d8 (S)  | 101     | %     | 70-130 |     | 1  |          | 10/01/19 17:42 | 2037-26-5 |      |
| 4-Bromofluorobenzene (S)  | 96      | %     | 70-130 |     | 1  |          | 10/01/19 17:42 | 460-00-4  |      |

| Sample: 8887 Lab ID: 40196074041 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/02/19 00:46 | 71-43-2     |      |
| Ethylbenzene  | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/02/19 00:46 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/02/19 00:46 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/02/19 00:46 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/02/19 00:46 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/02/19 00:46 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/02/19 00:46 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/02/19 00:46 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/02/19 00:46 | 95-47-6     |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 105     | %     | 70-130 |      | 1  |          | 10/02/19 00:46 | 1868-53-7   |      |
| Toluene-d8 (S)  | 96      | %     | 70-130 |      | 1  |          | 10/02/19 00:46 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 97      | %     | 70-130 |      | 1  |          | 10/02/19 00:46 | 460-00-4    |      |

| Sample: TRIP BLANK Lab ID: 40196074042 Collected: 09/25/19 00:00 Received: 09/27/19 09:40 Matrix: Water |         |       |        |      |    |          |                |             |      |
|---|---------|-------|--------|------|----|----------|----------------|-------------|------|
| Parameters  | Results | Units | LOQ    | LOD  | DF | Prepared | Analyzed       | CAS No.     | Qual |
| <b>8260 MSV UST</b> Analytical Method: EPA 8260   |         |       |        |      |    |          |                |             |      |
| Benzene   | <0.25   | ug/L  | 1.0    | 0.25 | 1  |          | 10/02/19 01:08 | 71-43-2     |      |
| Ethylbenzene  | <0.22   | ug/L  | 1.0    | 0.22 | 1  |          | 10/02/19 01:08 | 100-41-4    |      |
| Methyl-tert-butyl ether   | <1.2    | ug/L  | 4.2    | 1.2  | 1  |          | 10/02/19 01:08 | 1634-04-4   |      |
| Naphthalene   | <1.2    | ug/L  | 5.0    | 1.2  | 1  |          | 10/02/19 01:08 | 91-20-3     |      |
| Toluene   | <0.17   | ug/L  | 5.0    | 0.17 | 1  |          | 10/02/19 01:08 | 108-88-3    |      |
| 1,2,4-Trimethylbenzene  | <0.84   | ug/L  | 2.8    | 0.84 | 1  |          | 10/02/19 01:08 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene  | <0.87   | ug/L  | 2.9    | 0.87 | 1  |          | 10/02/19 01:08 | 108-67-8    |      |
| m&p-Xylene  | <0.47   | ug/L  | 2.0    | 0.47 | 1  |          | 10/02/19 01:08 | 179601-23-1 |      |
| o-Xylene  | <0.26   | ug/L  | 1.0    | 0.26 | 1  |          | 10/02/19 01:08 | 95-47-6     |      |
| <i>Surrogates</i>   |         |       |        |      |    |          |                |             |      |
| Dibromofluoromethane (S)  | 106     | %     | 70-130 |      | 1  |          | 10/02/19 01:08 | 1868-53-7   |      |
| Toluene-d8 (S)  | 96      | %     | 70-130 |      | 1  |          | 10/02/19 01:08 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)  | 96      | %     | 70-130 |      | 1  |          | 10/02/19 01:08 | 460-00-4    |      |

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: JUMP RIVER

Pace Project No.: 40196074

QC Batch: 335680 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER  
 Associated Lab Samples: 40196074001, 40196074002, 40196074003, 40196074004, 40196074005, 40196074006, 40196074007, 40196074008, 40196074009, 40196074010, 40196074011, 40196074012, 40196074013, 40196074014, 40196074015, 40196074016, 40196074017, 40196074018, 40196074019, 40196074020

METHOD BLANK: 1949393 Matrix: Water  
 Associated Lab Samples: 40196074001, 40196074002, 40196074003, 40196074004, 40196074005, 40196074006, 40196074007, 40196074008, 40196074009, 40196074010, 40196074011, 40196074012, 40196074013, 40196074014, 40196074015, 40196074016, 40196074017, 40196074018, 40196074019, 40196074020

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene   | ug/L  | <0.84        | 2.8             | 09/30/19 16:51 |            |
| 1,3,5-Trimethylbenzene   | ug/L  | <0.87        | 2.9             | 09/30/19 16:51 |            |
| Benzene                  | ug/L  | <0.25        | 1.0             | 09/30/19 16:51 |            |
| Ethylbenzene             | ug/L  | <0.22        | 1.0             | 09/30/19 16:51 |            |
| m&p-Xylene               | ug/L  | <0.47        | 2.0             | 09/30/19 16:51 |            |
| Methyl-tert-butyl ether  | ug/L  | <1.2         | 4.2             | 09/30/19 16:51 |            |
| Naphthalene              | ug/L  | <1.2         | 5.0             | 09/30/19 16:51 |            |
| o-Xylene                 | ug/L  | <0.26        | 1.0             | 09/30/19 16:51 |            |
| Toluene                  | ug/L  | <0.17        | 5.0             | 09/30/19 16:51 |            |
| 4-Bromofluorobenzene (S) | %     | 89           | 70-130          | 09/30/19 16:51 |            |
| Dibromofluoromethane (S) | %     | 104          | 70-130          | 09/30/19 16:51 |            |
| Toluene-d8 (S)           | %     | 104          | 70-130          | 09/30/19 16:51 |            |

LABORATORY CONTROL SAMPLE: 1949394

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene                  | ug/L  | 50          | 46.7       | 93        | 70-130       |            |
| Ethylbenzene             | ug/L  | 50          | 53.9       | 108       | 80-124       |            |
| m&p-Xylene               | ug/L  | 100         | 117        | 117       | 70-130       |            |
| Methyl-tert-butyl ether  | ug/L  | 50          | 53.6       | 107       | 54-137       |            |
| o-Xylene                 | ug/L  | 50          | 53.6       | 107       | 70-130       |            |
| Toluene                  | ug/L  | 50          | 51.6       | 103       | 80-126       |            |
| 4-Bromofluorobenzene (S) | %     |             |            | 94        | 70-130       |            |
| Dibromofluoromethane (S) | %     |             |            | 100       | 70-130       |            |
| Toluene-d8 (S)           | %     |             |            | 103       | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1949753 1949754

| Parameter               | Units | MS          |             | MSD         |       | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-------------------------|-------|-------------|-------------|-------------|-------|-----------|------------|----------|-----------|--------------|-----|---------|------|
|                         |       | 40196074009 | Spike Conc. | Spike Conc. | Conc. |           |            |          |           |              |     |         |      |
| Benzene                 | ug/L  | <0.25       | 50          | 50          | 47.0  | 47.8      | 94         | 96       | 70-130    | 2            | 20  |         |      |
| Ethylbenzene            | ug/L  | <0.22       | 50          | 50          | 54.2  | 53.7      | 108        | 107      | 80-125    | 1            | 20  |         |      |
| m&p-Xylene              | ug/L  | <0.47       | 100         | 100         | 107   | 111       | 107        | 111      | 70-130    | 3            | 20  |         |      |
| Methyl-tert-butyl ether | ug/L  | <1.2        | 50          | 50          | 53.8  | 53.1      | 108        | 106      | 51-145    | 1            | 20  |         |      |
| o-Xylene                | ug/L  | <0.26       | 50          | 50          | 52.2  | 48.8      | 104        | 98       | 70-130    | 7            | 20  |         |      |

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### QUALITY CONTROL DATA

Project: JUMP RIVER

Pace Project No.: 40196074

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1949753 |       |                       |                |                |              |               |             |              |                 |     |     | 1949754 |  |
|--|-------|-----------------------|----------------|----------------|--------------|---------------|-------------|--------------|-----------------|-----|-----|---------|--|
| Parameter                                      | Units | 40196074009<br>Result | MS             | MSD            | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | RPD | Max | Qual    |  |
|  |       |                       | Spike<br>Conc. | Spike<br>Conc. |              |               |             |              |                 |     | RPD |         |  |
| Toluene  | ug/L  | <0.17                 | 50             | 50             | 51.7         | 52.7          | 103         | 105          | 80-131          | 2   | 20  |         |  |
| 4-Bromofluorobenzene (S)                       | %     |                       |                |                |              |               | 99          | 98           | 70-130          |     |     |         |  |
| Dibromofluoromethane (S)                       | %     |                       |                |                |              |               | 100         | 100          | 70-130          |     |     |         |  |
| Toluene-d8 (S)                                 | %     |                       |                |                |              |               | 99          | 102          | 70-130          |     |     |         |  |

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### QUALITY CONTROL DATA

Project: JUMP RIVER  
Pace Project No.: 40196074

QC Batch: 335684 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER  
Associated Lab Samples: 40196074021, 40196074022, 40196074023, 40196074024, 40196074025, 40196074026, 40196074027, 40196074028, 40196074029, 40196074030, 40196074031, 40196074032, 40196074033, 40196074034, 40196074035, 40196074038, 40196074039, 40196074040

METHOD BLANK: 1949422 Matrix: Water  
Associated Lab Samples: 40196074021, 40196074022, 40196074023, 40196074024, 40196074025, 40196074026, 40196074027, 40196074028, 40196074029, 40196074030, 40196074031, 40196074032, 40196074033, 40196074034, 40196074035, 40196074038, 40196074039, 40196074040

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene   | ug/L  | <0.84        | 2.8             | 10/01/19 06:53 |            |
| 1,3,5-Trimethylbenzene   | ug/L  | <0.87        | 2.9             | 10/01/19 06:53 |            |
| Benzene                  | ug/L  | <0.25        | 1.0             | 10/01/19 06:53 |            |
| Ethylbenzene             | ug/L  | <0.22        | 1.0             | 10/01/19 06:53 |            |
| m&p-Xylene               | ug/L  | <0.47        | 2.0             | 10/01/19 06:53 |            |
| Methyl-tert-butyl ether  | ug/L  | <1.2         | 4.2             | 10/01/19 06:53 |            |
| Naphthalene              | ug/L  | <1.2         | 5.0             | 10/01/19 06:53 |            |
| o-Xylene                 | ug/L  | <0.26        | 1.0             | 10/01/19 06:53 |            |
| Toluene                  | ug/L  | <0.17        | 5.0             | 10/01/19 06:53 |            |
| 4-Bromofluorobenzene (S) | %     | 99           | 70-130          | 10/01/19 06:53 |            |
| Dibromofluoromethane (S) | %     | 112          | 70-130          | 10/01/19 06:53 |            |
| Toluene-d8 (S)           | %     | 99           | 70-130          | 10/01/19 06:53 |            |

LABORATORY CONTROL SAMPLE: 1949423

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene                  | ug/L  | 50          | 65.4       | 131       | 70-130       | L1         |
| Ethylbenzene             | ug/L  | 50          | 56.0       | 112       | 80-124       |            |
| m&p-Xylene               | ug/L  | 100         | 114        | 114       | 70-130       |            |
| Methyl-tert-butyl ether  | ug/L  | 50          | 52.0       | 104       | 54-137       |            |
| o-Xylene                 | ug/L  | 50          | 54.4       | 109       | 70-130       |            |
| Toluene                  | ug/L  | 50          | 56.2       | 112       | 80-126       |            |
| 4-Bromofluorobenzene (S) | %     |             |            | 96        | 70-130       |            |
| Dibromofluoromethane (S) | %     |             |            | 110       | 70-130       |            |
| Toluene-d8 (S)           | %     |             |            | 100       | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1950278 1950279

| Parameter               | Units | MS                 |             | MSD         |       | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-------------------------|-------|--------------------|-------------|-------------|-------|-----------|------------|----------|-----------|--------------|-----|---------|------|
|                         |       | 40196074027 Result | Spike Conc. | Spike Conc. | Conc. |           |            |          |           |              |     |         |      |
| Benzene                 | ug/L  | <0.25              | 50          | 50          | 50    | 63.1      | 66.4       | 126      | 133       | 70-130       | 5   | 20      | M0   |
| Ethylbenzene            | ug/L  | <0.22              | 50          | 50          | 50    | 54.9      | 57.7       | 110      | 115       | 80-125       | 5   | 20      |      |
| m&p-Xylene              | ug/L  | <0.47              | 100         | 100         | 100   | 110       | 118        | 110      | 118       | 70-130       | 7   | 20      |      |
| Methyl-tert-butyl ether | ug/L  | <1.2               | 50          | 50          | 50    | 50.0      | 55.0       | 100      | 110       | 51-145       | 9   | 20      |      |
| o-Xylene                | ug/L  | <0.26              | 50          | 50          | 50    | 53.2      | 55.8       | 106      | 112       | 70-130       | 5   | 20      |      |

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### QUALITY CONTROL DATA

Project: JUMP RIVER

Pace Project No.: 40196074

| Parameter                | Units | MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1950278 |                      | 1950279               |              | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | RPD | Max<br>RPD | Qual |
|--------------------------|-------|--|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
|                          |       | 40196074027<br>Result                          | MS<br>Spike<br>Conc. | MSD<br>Spike<br>Conc. | MS<br>Result |              |               |             |              |                 |     |            |      |
| Toluene                  | ug/L  | <0.17  | 50                   | 50                    | 54.5         | 57.9         | 109           | 116         | 80-131       | 6               | 20  |            |      |
| 4-Bromofluorobenzene (S) | %     |  |                      |                       |              |              | 101           | 99          | 70-130       |                 |     |            |      |
| Dibromofluoromethane (S) | %     |  |                      |                       |              |              | 112           | 112         | 70-130       |                 |     |            |      |
| Toluene-d8 (S)           | %     |  |                      |                       |              |              | 105           | 103         | 70-130       |                 |     |            |      |

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### QUALITY CONTROL DATA

Project: JUMP RIVER  
Pace Project No.: 40196074

QC Batch: 335690 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER  
Associated Lab Samples: 40196074041, 40196074042

METHOD BLANK: 1949460 Matrix: Water  
Associated Lab Samples: 40196074041, 40196074042

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene   | ug/L  | <0.84        | 2.8             | 10/01/19 16:54 |            |
| 1,3,5-Trimethylbenzene   | ug/L  | <0.87        | 2.9             | 10/01/19 16:54 |            |
| Benzene                  | ug/L  | <0.25        | 1.0             | 10/01/19 16:54 |            |
| Ethylbenzene             | ug/L  | <0.22        | 1.0             | 10/01/19 16:54 |            |
| m&p-Xylene               | ug/L  | <0.47        | 2.0             | 10/01/19 16:54 |            |
| Methyl-tert-butyl ether  | ug/L  | <1.2         | 4.2             | 10/01/19 16:54 |            |
| Naphthalene              | ug/L  | <1.2         | 5.0             | 10/01/19 16:54 |            |
| o-Xylene                 | ug/L  | <0.26        | 1.0             | 10/01/19 16:54 |            |
| Toluene                  | ug/L  | <0.17        | 5.0             | 10/01/19 16:54 |            |
| 4-Bromofluorobenzene (S) | %     | 96           | 70-130          | 10/01/19 16:54 |            |
| Dibromofluoromethane (S) | %     | 107          | 70-130          | 10/01/19 16:54 |            |
| Toluene-d8 (S)           | %     | 95           | 70-130          | 10/01/19 16:54 |            |

LABORATORY CONTROL SAMPLE: 1949461

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene                  | ug/L  | 50          | 53.4       | 107       | 70-130       |            |
| Ethylbenzene             | ug/L  | 50          | 53.3       | 107       | 80-124       |            |
| m&p-Xylene               | ug/L  | 100         | 111        | 111       | 70-130       |            |
| Methyl-tert-butyl ether  | ug/L  | 50          | 45.5       | 91        | 54-137       |            |
| o-Xylene                 | ug/L  | 50          | 54.1       | 108       | 70-130       |            |
| Toluene                  | ug/L  | 50          | 52.7       | 105       | 80-126       |            |
| 4-Bromofluorobenzene (S) | %     |             |            | 100       | 70-130       |            |
| Dibromofluoromethane (S) | %     |             |            | 106       | 70-130       |            |
| Toluene-d8 (S)           | %     |             |            | 95        | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1950092 1950093

| Parameter                | Units | MS                 |             | MSD         |        | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |        |
|--------------------------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--------|
|                          |       | 40196088001 Result | Spike Conc. | Spike Conc. | Result |          |           |              |        |         |      | Result |
| Benzene                  | ug/L  | ND                 | 50          | 50          | 52.5   | 52.3     | 105       | 105          | 70-130 | 0       | 20   |        |
| Ethylbenzene             | ug/L  | ND                 | 50          | 50          | 53.4   | 52.6     | 107       | 105          | 80-125 | 2       | 20   |        |
| m&p-Xylene               | ug/L  | ND                 | 100         | 100         | 112    | 109      | 112       | 109          | 70-130 | 3       | 20   |        |
| Methyl-tert-butyl ether  | ug/L  | ND                 | 50          | 50          | 45.4   | 45.3     | 91        | 91           | 51-145 | 0       | 20   |        |
| o-Xylene                 | ug/L  | ND                 | 50          | 50          | 54.8   | 53.5     | 110       | 107          | 70-130 | 2       | 20   |        |
| Toluene                  | ug/L  | ND                 | 50          | 50          | 52.0   | 51.8     | 104       | 104          | 80-131 | 0       | 20   |        |
| 4-Bromofluorobenzene (S) | %     |                    |             |             |        |          | 98        | 99           | 70-130 |         |      |        |
| Dibromofluoromethane (S) | %     |                    |             |             |        |          | 105       | 105          | 70-130 |         |      |        |

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### QUALITY CONTROL DATA

Project: JUMP RIVER

Pace Project No.: 40196074

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1950092 |       |                       |                |                |              |               |             |              |                 |     |            | 1950093 |  |
|--|-------|-----------------------|----------------|----------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|---------|--|
| Parameter                                      | Units | 40196088001<br>Result | MS             | MSD            | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | RPD | Max<br>RPD | Qual    |  |
|  |       |                       | Spike<br>Conc. | Spike<br>Conc. |              |               |             |              |                 |     |            |         |  |
| Toluene-d8 (S)                                 | %     |                       |                |                |              |               | 96          | 96           | 70-130          |     |            |         |  |

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### QUALITY CONTROL DATA

Project: JUMP RIVER  
Pace Project No.: 40196074

QC Batch: 335989 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER  
Associated Lab Samples: 40196074036, 40196074037

METHOD BLANK: 1951026 Matrix: Water  
Associated Lab Samples: 40196074036, 40196074037

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| 1,2,4-Trimethylbenzene   | ug/L  | <0.84        | 2.8             | 10/02/19 07:55 |            |
| 1,3,5-Trimethylbenzene   | ug/L  | <0.87        | 2.9             | 10/02/19 07:55 |            |
| Benzene                  | ug/L  | <0.25        | 1.0             | 10/02/19 07:55 |            |
| Ethylbenzene             | ug/L  | <0.22        | 1.0             | 10/02/19 07:55 |            |
| m&p-Xylene               | ug/L  | <0.47        | 2.0             | 10/02/19 07:55 |            |
| Methyl-tert-butyl ether  | ug/L  | <1.2         | 4.2             | 10/02/19 07:55 |            |
| Naphthalene              | ug/L  | <1.2         | 5.0             | 10/02/19 07:55 |            |
| o-Xylene                 | ug/L  | <0.26        | 1.0             | 10/02/19 07:55 |            |
| Toluene                  | ug/L  | <0.17        | 5.0             | 10/02/19 07:55 |            |
| 4-Bromofluorobenzene (S) | %     | 98           | 70-130          | 10/02/19 07:55 |            |
| Dibromofluoromethane (S) | %     | 107          | 70-130          | 10/02/19 07:55 |            |
| Toluene-d8 (S)           | %     | 103          | 70-130          | 10/02/19 07:55 |            |

LABORATORY CONTROL SAMPLE: 1951027

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene                  | ug/L  | 50          | 55.9       | 112       | 70-130       |            |
| Ethylbenzene             | ug/L  | 50          | 54.5       | 109       | 80-124       |            |
| m&p-Xylene               | ug/L  | 100         | 107        | 107       | 70-130       |            |
| Methyl-tert-butyl ether  | ug/L  | 50          | 54.7       | 109       | 54-137       |            |
| o-Xylene                 | ug/L  | 50          | 53.1       | 106       | 70-130       |            |
| Toluene                  | ug/L  | 50          | 54.6       | 109       | 80-126       |            |
| 4-Bromofluorobenzene (S) | %     |             |            | 106       | 70-130       |            |
| Dibromofluoromethane (S) | %     |             |            | 97        | 70-130       |            |
| Toluene-d8 (S)           | %     |             |            | 102       | 70-130       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1951079 1951080

| Parameter                | Units | MS                 |             | MSD         |        | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |        |
|--------------------------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--------|
|                          |       | 40196271002 Result | Spike Conc. | Spike Conc. | Result |          |           |              |        |         |      | Result |
| Benzene                  | ug/L  | <0.25              | 50          | 50          | 57.5   | 57.2     | 115       | 114          | 70-130 | 1       | 20   |        |
| Ethylbenzene             | ug/L  | <0.22              | 50          | 50          | 56.1   | 56.3     | 112       | 113          | 80-125 | 0       | 20   |        |
| m&p-Xylene               | ug/L  | <0.47              | 100         | 100         | 109    | 107      | 109       | 107          | 70-130 | 2       | 20   |        |
| Methyl-tert-butyl ether  | ug/L  | <1.2               | 50          | 50          | 55.6   | 54.7     | 111       | 109          | 51-145 | 2       | 20   |        |
| o-Xylene                 | ug/L  | <0.26              | 50          | 50          | 55.3   | 54.1     | 111       | 108          | 70-130 | 2       | 20   |        |
| Toluene                  | ug/L  | <0.17              | 50          | 50          | 56.8   | 55.8     | 114       | 112          | 80-131 | 2       | 20   |        |
| 4-Bromofluorobenzene (S) | %     |                    |             |             |        |          | 105       | 104          | 70-130 |         |      |        |
| Dibromofluoromethane (S) | %     |                    |             |             |        |          | 99        | 99           | 70-130 |         |      |        |

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

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

**QUALITY CONTROL DATA**

Project: JUMP RIVER

Pace Project No.: 40196074

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1951079 |       |                       |                |                |              |               |             |              |                 |     |            | 1951080 |  |
|--|-------|-----------------------|----------------|----------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|---------|--|
| Parameter                                      | Units | 40196271002<br>Result | MS             | MSD            | MS<br>Result | MSD<br>Result | MS<br>% Rec | MSD<br>% Rec | % Rec<br>Limits | RPD | Max<br>RPD | Qual    |  |
|  |       |                       | Spike<br>Conc. | Spike<br>Conc. |              |               |             |              |                 |     |            |         |  |
| Toluene-d8 (S)                                 | %     |                       |                |                |              |               | 103         | 100          | 70-130          |     |            |         |  |

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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without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: JUMP RIVER  
Pace Project No.: 40196074

---

### 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.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JUMP RIVER  
Pace Project No.: 40196074

| Lab ID      | Sample ID  | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|----------|-------------------|------------------|
| 40196074001 | MW-1       | EPA 8260        | 335680   |                   |                  |
| 40196074002 | MW-2       | EPA 8260        | 335680   |                   |                  |
| 40196074003 | MW-3       | EPA 8260        | 335680   |                   |                  |
| 40196074004 | MW-5       | EPA 8260        | 335680   |                   |                  |
| 40196074005 | MW-6       | EPA 8260        | 335680   |                   |                  |
| 40196074006 | MW-7       | EPA 8260        | 335680   |                   |                  |
| 40196074007 | MW-8A      | EPA 8260        | 335680   |                   |                  |
| 40196074008 | MW-8B      | EPA 8260        | 335680   |                   |                  |
| 40196074009 | MW-8C      | EPA 8260        | 335680   |                   |                  |
| 40196074010 | MW-9A      | EPA 8260        | 335680   |                   |                  |
| 40196074011 | MW-9B      | EPA 8260        | 335680   |                   |                  |
| 40196074012 | MW-10A     | EPA 8260        | 335680   |                   |                  |
| 40196074013 | MW-10B     | EPA 8260        | 335680   |                   |                  |
| 40196074014 | MW-11      | EPA 8260        | 335680   |                   |                  |
| 40196074015 | MW-12A     | EPA 8260        | 335680   |                   |                  |
| 40196074016 | MW-12B     | EPA 8260        | 335680   |                   |                  |
| 40196074017 | MW-12C     | EPA 8260        | 335680   |                   |                  |
| 40196074018 | MW-13      | EPA 8260        | 335680   |                   |                  |
| 40196074019 | MW-14      | EPA 8260        | 335680   |                   |                  |
| 40196074020 | MW-15      | EPA 8260        | 335680   |                   |                  |
| 40196074021 | MW-16A     | EPA 8260        | 335684   |                   |                  |
| 40196074022 | MW-16B     | EPA 8260        | 335684   |                   |                  |
| 40196074023 | MW-17A     | EPA 8260        | 335684   |                   |                  |
| 40196074024 | MW-17B     | EPA 8260        | 335684   |                   |                  |
| 40196074025 | MW-18A     | EPA 8260        | 335684   |                   |                  |
| 40196074026 | MW-18B     | EPA 8260        | 335684   |                   |                  |
| 40196074027 | MW-18C     | EPA 8260        | 335684   |                   |                  |
| 40196074028 | MW-19A     | EPA 8260        | 335684   |                   |                  |
| 40196074029 | MW-19B     | EPA 8260        | 335684   |                   |                  |
| 40196074030 | MW-19C     | EPA 8260        | 335684   |                   |                  |
| 40196074031 | MW-20      | EPA 8260        | 335684   |                   |                  |
| 40196074032 | MW-21      | EPA 8260        | 335684   |                   |                  |
| 40196074033 | BAR        | EPA 8260        | 335684   |                   |                  |
| 40196074034 | 8903       | EPA 8260        | 335684   |                   |                  |
| 40196074035 | 8897       | EPA 8260        | 335684   |                   |                  |
| 40196074036 | STORE IN   | EPA 8260        | 335989   |                   |                  |
| 40196074037 | STORE OUT  | EPA 8260        | 335989   |                   |                  |
| 40196074038 | 8910       | EPA 8260        | 335684   |                   |                  |
| 40196074039 | 14789      | EPA 8260        | 335684   |                   |                  |
| 40196074040 | 8890       | EPA 8260        | 335684   |                   |                  |
| 40196074041 | 8887       | EPA 8260        | 335690   |                   |                  |
| 40196074042 | TRIP BLANK | EPA 8260        | 335690   |                   |                  |

### REPORT OF LABORATORY ANALYSIS

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

(Please Print Clearly)

Company Name: Mendota Bay Club  
 Branch/Location:   
 Project Contact: Ken Shimko  
 Phone: 715 832 6608  
 Project Number:   
 Project Name: Jump River  
 Project State: WI  
 Sampled By (Print): Ken Shimko  
 Sampled By (Sign): [Signature]  
 PO #:   
 Regulatory Program:   
 FILTERED? (YES/NO)   
 PRESERVATION (CODE)\*



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

### CHAIN OF CUSTODY

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

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

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

| PACE LAB # | CLIENT FIELD ID | COLLECTION |      | MATRIX |
|------------|-----------------|------------|------|--------|
|            |                 | DATE       | TIME |        |
| 001        | MW-1            | 9/24       |      | W      |
| 002        | -2              |            |      |        |
| 003        | -3              |            |      |        |
| 004        | -5              |            |      |        |
| 005        | -6              |            |      |        |
| 006        | -7              |            |      |        |
| 007        | -8A             |            |      |        |
| 008        | -8B             |            |      |        |
| 009        | -8C             |            |      |        |
| 010        | -9A             |            |      |        |
| 011        | -9B             |            |      |        |
| 012        | -10A            | 9/25       |      |        |
| 013        | -10B            |            |      |        |

| Analyses Requested | Y/N | Pick Letter |
|--------------------|-----|-------------|
|                    | X   |             |

**Quote #:**   
**Mail To Contact:** Ken Shimko  
**Mail To Company:** Mendota  
**Mail To Address:** Fall Creek  
**Invoice To Contact:** 54742  
**Invoice To Company:**   
**Invoice To Address:**   
**Invoice To Phone:**   
**CLIENT COMMENTS:**   
**LAB COMMENTS (Lab Use Only):**   
**Profile #:**

|  |  |  |
|--|--|--|
| Rush Turnaround Time Requested - Prelims<br>(Rush TAT subject to approval/surcharge)<br>Date Needed:<br>Transmit Prelim Rush Results by (complete what you want):<br>Email #1:<br>Email #2:<br>Telephone:<br>Fax:<br>Samples on HOLD are subject to special pricing and release of liability | Relinquished By: <u>[Signature]</u> Date/Time: <u>9/26/19</u><br>Received By: <u>Fed Ex</u> Date/Time: <u>9/26/19</u>          | PACE Project No.<br><u>40196074</u><br>Receipt Temp = <u>PO</u> °C<br>Sample Receipt pH<br><u>OK / Adjusted</u><br>Cooler Custody Seal<br><u>Present / Not Present</u><br><u>Intact / Not Intact</u> |
|  | Relinquished By: <u>Fedex</u> Date/Time: <u>9/27/19 0940</u><br>Received By: <u>[Signature]</u> Date/Time: <u>9/27/19 0940</u> |  |
|  | Relinquished By: _____ Date/Time: _____<br>Received By: _____ Date/Time: _____   |  |
|  | Relinquished By: _____ Date/Time: _____<br>Received By: _____ Date/Time: _____   |  |



### CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name: Mendota

Branch/Location:

Project Contact: Ken Shimko

Phone:

Project Number:

Project Name: Jump River

Project State: WF

Sampled By (Print): Ken Shimko

Sampled By (Sign): [Signature]

PO #:

Regulatory Program:

**Data Package Options** (billable)  
 EPA Level III  
 EPA Level IV

**MS/MSD**  
 On your sample (billable)  
 NOT needed on your sample

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

| PACE LAB # | CLIENT FIELD ID     | COLLECTION |      | MATRIX | Y/N | Pick Letter | Analyses Requested |
|------------|---------------------|------------|------|--------|-----|-------------|--------------------|
|            |                     | DATE       | TIME |        |     |             |                    |
| 014        | MW-11               | 9/25       |      | W      |     |             | pHect Naph         |
| 015        | <del>12A</del> -12A | 9/24       |      |        |     |             |                    |
| 016        | -12B                |            |      |        |     |             |                    |
| 017        | -12C                |            |      |        |     |             |                    |
| 018        | -13                 |            |      |        |     |             |                    |
| 019        | -14                 |            |      |        |     |             |                    |
| 020        | -15                 |            |      |        |     |             |                    |
| 021        | -16A                | 9/25       |      |        |     |             |                    |
| 022        | -16B                |            |      |        |     |             |                    |
| 023        | -17A                |            |      |        |     |             |                    |
| 024        | -17B                |            |      |        |     |             |                    |

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

| CLIENT COMMENTS | LAB COMMENTS (Lab Use Only) | Profile # |
|-----------------|-----------------------------|-----------|
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |
|                 |                             |           |

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

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 9/26/19

Relinquished By: Fedex Date/Time: 9/27/19 0940

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: Red Ex Date/Time: 9/26/19

Received By: [Signature] Date/Time: 9/27/19 0940

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

PACE Project No. 40196074

Receipt Temp = RO °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present  
Intact / Not Intact



(Please Print Clearly)

Company Name: Meridian  
 Branch/Location:  
 Project Contact: Ken Shimko  
 Phone:  
 Project Number:  
 Project Name: Jump River  
 Project State: WI  
 Sampled By (Print): Ken Shimko  
 Sampled By (Sign): [Signature]  
 PO #:



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

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Page 38 of 42

### CHAIN OF CUSTODY

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

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

| Y/N | Pick Letter | Regulatory Program | Analysis Requested                      | Matrix Codes |   |   |   |   |   |   |   |   |   |  |  |  |  |
|-----|-------------|--------------------|---|--------------|---|---|---|---|---|---|---|---|---|--|--|--|--|
|     |             |                    |   | A            | B | C | D | E | F | G | H | I | J |  |  |  |  |
|     |             |                    | Analyses Requested<br><u>PAUC + NPH</u> |              |   |   |   |   |   |   |   |   |   |  |  |  |  |

Quote #:  
 Mail To Contact:  
 Mail To Company:  
 Mail To Address:  
 Invoice To Contact:  
 Invoice To Company:  
 Invoice To Address:  
 Invoice To Phone:

Data Package Options (billable)  
 EPA Level III  
 EPA Level IV

MS/MSD  
 On your sample (billable)  
 NOT needed on your sample

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

| PACE LAB # | CLIENT FIELD ID | COLLECTION |      | MATRIX | Analysis Requested | Matrix Codes |   |   |   |   |   |   |   |   |   |  |  |
|------------|-----------------|------------|------|--------|--------------------|--------------|---|---|---|---|---|---|---|---|---|--|--|
|            |                 | DATE       | TIME |        |                    | A            | B | C | D | E | F | G | H | I | J |  |  |
| 025        | MW -18A         | 9/25       |      | W      | X                  |              |   |   |   |   |   |   |   |   |   |  |  |
| 026        | -18B            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 027        | -18C            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 028        | -19A            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 029        | -19B            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 030        | -19C            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 031        | -20             |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 032        | -21             | 9/24       |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 033        | Bar             | 9/25       |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 034        | 8903            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 035        | 8897            |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 036        | Store In        |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |
| 037        | Store Out       |            |      |        |                    |              |   |   |   |   |   |   |   |   |   |  |  |

|  |  |   |  |
|--|--|---|--|
| Rush Turnaround Time Requested - Prelims<br>(Rush TAT subject to approval/surcharge)<br>Date Needed:<br><br>Transmit Prelim Rush Results by (complete what you want):<br><br>Email #1:<br>Email #2:<br>Telephone:<br>Fax:<br><br>Samples on HOLD are subject to special pricing and release of liability | Relinquished By: <u>[Signature]</u><br>Date/Time: <u>9/26/19</u> | Received By: <u>Fed Ex</u><br>Date/Time: <u>9/26/19</u>           | PACE Project No.<br><u>40196074</u><br>Receipt Temp = <u>20</u> °C<br>Sample Receipt pH<br><u>OK / Adjusted</u><br>Cooler Custody Seal<br><u>Present / Not Present</u><br><u>Intact / Not Intact</u> |
|  | Relinquished By: <u>Fedex</u><br>Date/Time: <u>9/27/19 0940</u>  | Received By: <u>[Signature]</u><br>Date/Time: <u>9/27/19 0940</u> |  |
|  | Relinquished By:<br>Date/Time:                                   | Received By:<br>Date/Time:  |  |
|  | Relinquished By:<br>Date/Time:                                   | Received By:<br>Date/Time:  |  |

(Please Print Clearly)

Company Name: Mendota  
 Branch/Location:  
 Project Contact: Ken Shimko  
 Phone:  
 Project Number:  
 Project Name: Jump River  
 Project State: WI  
 Sampled By (Print): Ken Shimko  
 Sampled By (Sign): [Signature]  
 PO #:  
 Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 4 of 4

Page 39 of 42

### CHAIN OF CUSTODY

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

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

| Y/N | Pick Letter | Analyses Requested |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|     |             | x PUDC + Neph      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |             |                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Quote #:  
 Mail To Contact:  
 Mail To Company:  
 Mail To Address:  
 Invoice To Contact:  
 Invoice To Company:  
 Invoice To Address:  
 Invoice To Phone:

Data Package Options (billable)  
 EPA Level III  
 EPA Level IV

MS/MSD  
 On your sample (billable)  
 NOT needed on your sample

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

| PACE LAB # | CLIENT FIELD ID | COLLECTION |      | MATRIX |
|------------|-----------------|------------|------|--------|
|            |                 | DATE       | TIME |        |
| 030        | 8910            | 9/25       |      | W      |
| 039        | 814789          | ↓          |      | ↓      |
| 040        | 8890            | ↓          |      | ↓      |
| 041        | 8887            | ↓          |      | ↓      |
| 042        | ① Trip blanks   |            |      |        |

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

Transmit Prelim Rush Results by (complete what you want):

Email #1:  
 Email #2:  
 Telephone:  
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 9/26/19  
 Relinquished By: Fedex Date/Time: 9/27/19 0940  
 Relinquished By: Date/Time:  
 Relinquished By: Date/Time:  
 Relinquished By: Date/Time:

Received By: Fed Ex Date/Time: 9/26/19  
 Received By: [Signature] Date/Time: 9/27/19 0940  
 Received By: Date/Time:  
 Received By: Date/Time:  
 Received By: Date/Time:

PACE Project No. 401960574  
 Receipt Temp = 201 °C  
 Sample Receipt pH OK / Adjusted  
 Cooler Custody Seal Present / Not Present  
 Intact / Not Intact Intact

# Sample Preservation Receipt Form

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

Client Name: Mendian

Project # 40196074

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/Time:

| Pace Lab # | Glass |      |      |      |      |      | Plastic |      |      |      |      |      | Vials |      |      |      | Jars |      |      | General |      |      | VOA Vials (>6mm) * | H2SO4 pH ≤ | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤ | pH after adjusted | Volume (mL) |      |      |              |
|------------|-------|------|------|------|------|------|---------|------|------|------|------|------|-------|------|------|------|------|------|------|---------|------|------|--------------------|------------|-------------------|-------------|-----------|-------------------|-------------|------|------|--------------|
|            | AG1U  | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U    | BP1U | BP2N | BP2Z | BP3U | BP3B | BP3N  | BP3S | DG9A | DG9T | VG9U | VG9H | VG9M | VG9D    | JGFU | WGFU |                    |            |                   |             |           |                   |             | WPFU | SP5T | ZPLC         |
| 001        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 002        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 003        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 004        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 005        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 006        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 007        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 008        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 009        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 010        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 011        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 012        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 013        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 014        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 015        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 016        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 017        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 018        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 019        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |
| 020        |       |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      | 3    |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |      | 2.5 / 5 / 10 |

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_

Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

|                                |                                 |                              |                                    |
|--------------------------------|---------------------------------|------------------------------|------------------------------------|
| AG1U 1 liter amber glass       | BP1U 1 liter plastic unpres     | DG9A 40 mL amber ascorbic    | JGFU 4 oz amber jar unpres         |
| AG1H 1 liter amber glass HCL   | BP2N 500 mL plastic HNO3        | DG9T 40 mL amber Na Thio     | WGFU 4 oz clear jar unpres         |
| AG4S 125 mL amber glass H2SO4  | BP2Z 500 mL plastic NaOH, Znact | VG9U 40 mL clear vial unpres | WPFU 4 oz plastic jar unpres       |
| AG4U 120 mL amber glass unpres | BP3U 250 mL plastic unpres      | VG9H 40 mL clear vial HCL    |                                    |
| AG5U 100 mL amber glass unpres | BP3B 250 mL plastic NaOH        | VG9M 40 mL clear vial MeOH   | SP5T 120 mL plastic Na Thiosulfate |
| AG2S 500 mL amber glass H2SO4  | BP3N 250 mL plastic HNO3        | VG9D 40 mL clear vial DI     | ZPLC ziploc bag                    |
| BG3U 250 mL clear glass unpres | BP3S 250 mL plastic H2SO4       |                              | GN:                                |



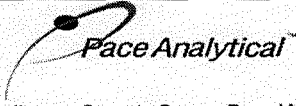
### Sample Preservation Receipt Form

Client Name: Mendian

Project #: 40196074

| Pace Lab # | Glass |      |      |      |      |      |      | Plastic |      |      |      |      |      | Vials |      |      |      |      | Jars |      |      | General |      |      | VOA Vials (>6mm) * | H2SO4 pH ≤ | NaOH+Zn Act pH ≥9 | NaOH pH ≥12 | HNO3 pH ≤ | pH after adjusted | Volume (mL) |      |    |  |              |
|------------|-------|------|------|------|------|------|------|---------|------|------|------|------|------|-------|------|------|------|------|------|------|------|---------|------|------|--------------------|------------|-------------------|-------------|-----------|-------------------|-------------|------|----|--|--------------|
|            | AG1U  | AG1H | AG4S | AG4U | AG5U | AG2S | BG3U | BP1U    | BP2N | BP2Z | BP3U | BP3B | BP3N | BP3S  | DG9A | DG9T | VG9U | VG9H | VG9M | VG9D | JGFU | WGFU    | WPFU | SP5T |                    |            |                   |             |           |                   |             | ZPLC | GN |  |              |
| 021        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 022        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 027        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 024        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   | 3           |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 025        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 026        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 027        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 028        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 029        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 030        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 031        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 032        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 033        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 034        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 035        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 036        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 037        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 10 |
| 038        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 11 |
| 039        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 12 |
| 040        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 13 |
| 041        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 3    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 14 |
| 042        |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      | 2    |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 15 |
|            |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 16 |
|            |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 17 |
|            |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 18 |
|            |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 19 |
|            |       |      |      |      |      |      |      |         |      |      |      |      |      |       |      |      |      |      |      |      |      |         |      |      |                    |            |                   |             |           |                   |             |      |    |  | 2.5 / 5 / 20 |

MH 9/27/19

|  |   |   |
|--|---|---|
| <br>1241 Bellevue Street, Green Bay, WI 54302 | Document Name:<br><b>Sample Condition Upon Receipt (SCUR)</b> | Document Revised: 25Apr2018                         |
|  | Document No.:<br>F-GB-C-031-Rev.07                            | Issuing Authority:<br>Pace Green Bay Quality Office |

### Sample Condition Upon Receipt Form (SCUR)

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

 Client Name: Meridian
**WO#: 40196074**


40196074

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

 Tracking #: 7800 7528 0821

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

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

 Packing Material:  Bubble Wrap  Bubble Bags  None  Other

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

 Cooler Temperature    Uncorr: 24 /Corr: \_\_\_\_\_

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

Person examining contents:

 Date: 9/27/19

 Initials: MA

 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C.

|   |  |   |
|---|--|---|
| 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>NO invoice info filtered or preservation code</u> |
| Chain of Custody Relinquished:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. <u>NO time MA 9/27/19</u> <u>MA 9/27/19</u>          |
| Sampler Name & Signature on COC:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4.  |
| Samples Arrived within Hold Time:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.  |
| - VOA Samples frozen upon receipt   | <input type="checkbox"/> Yes <input type="checkbox"/> No   | Date/Time:  |
| Short Hold Time Analysis (<72hr):   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 6.  |
| Rush Turn Around Time Requested:  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.  |
| Sufficient Volume:  |  | 8.  |
| For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |  |   |
| Correct Containers Used:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 9.  |
| -Pace Containers Used:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |   |
| -Pace IR Containers Used:   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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: <u>MA 9/27/19</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A  |  | 12. <u>NO date MA 9/27/19</u>                           |
| -Includes date/time/ID/Analysis    Matrix: <u>W</u>   |  |   |
| Trip Blank Present:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 13.   |
| 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>427</u>  |  |   |

**Client Notification/ Resolution:**

 If checked, see attached form for additional comments 

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

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

Project Manager Review: \_\_\_\_\_

 Date: 9-30-19

# **APPENDIX B**

**Recent Air Sampling Laboratory Reports  
(July, August, September, October)**



# Client Sample Results

Client: Meridian Environmental Consulting LLC  
Project/Site: Jump River, SVE

Job ID: 310-160156-1

Client Sample ID: SVE

Lab Sample ID: 310-160156-1

Date Collected: 07/12/19 00:00

Matrix: Air

Date Received: 07/16/19 10:40

Sample Air Volume: 1.007 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

## Method: 1501 Sum - NIOSH Method 1501 (Modified)

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 46                  | 45              | 14            |           | 11              | 07/19/19 09:11 | 1       | JCM     |

## Method: 1550 - NIOSH Method 1550 (Modified)

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 1000                | 1000            |        |           | 29              | 07/19/19 15:33 | 1       | JCM     |

# Client Sample Results

Client: Meridian Environmental Consulting LLC  
 Project/Site: Ladysmith & Jump River, #6608

Job ID: 310-161753-1

**Client Sample ID: L-SVE**

**Lab Sample ID: 310-161753-1**

Date Collected: 07/29/19 00:00

Matrix: Air

Date Received: 08/07/19 09:50

Sample Air Volume: 1.03 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

**Method: 1501 Sum - NIOSH Method 1501 (Modified)**

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 120                 | 120             | 36            |           | 11              | 08/16/19 11:19 | 1       | JCM     |

**Method: 1550 - NIOSH Method 1550 (Modified)**

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 10000               | 9900            |        |           | 150             | 08/15/19 11:56 | 1       | JCM     |

**Client Sample ID: L-SVE**

**Lab Sample ID: 310-161753-2**

Date Collected: 08/03/19 00:00

Matrix: Air

Date Received: 08/07/19 09:50

Sample Air Volume: 1.03 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

**Method: 1501 Sum - NIOSH Method 1501 (Modified)**

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 14                  | 14              | 4.2           |           | 11              | 08/16/19 11:19 | 1       | JCM     |

**Method: 1550 - NIOSH Method 1550 (Modified)**

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 2700                | 2600            |        |           | 59              | 08/15/19 11:56 | 1       | JCM     |

**Client Sample ID: J-SVE**

**Lab Sample ID: 310-161753-3**

Date Collected: 08/02/19 00:00

Matrix: Air

Date Received: 08/07/19 09:50

Sample Air Volume: 1.03 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

Jump River

**Method: 1501 Sum - NIOSH Method 1501 (Modified)**

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 34                  | 33              | 10            |           | 11              | 08/16/19 11:19 | 1       | JCM     |

**Method: 1550 - NIOSH Method 1550 (Modified)**

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 1000                | 1000            |        |           | 29              | 08/15/19 11:56 | 1       | JCM     |

# Client Sample Results

Client: Meridian Environmental Consulting LLC  
 Project/Site: Ladysmith & Jump River

Job ID: 310-164344-1

**Client Sample ID: L-SVE**

**Lab Sample ID: 310-164344-1**

Date Collected: 09/03/19 00:00

Matrix: Air

Date Received: 09/09/19 10:25

Sample Air Volume: 1.03 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

**Method: 1501 Sum - NIOSH Method 1501 (Modified)**

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 20                  | 19              | 6.0           |           | 11              | 09/18/19 14:13 | 1       | JCM     |

**Method: 1550 - NIOSH Method 1550 (Modified)**

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 5300                | 5100            |        |           | 150             | 09/19/19 14:22 | 1       | JCM     |

**Client Sample ID: J-SVE**

**Lab Sample ID: 310-164344-2**

Date Collected: 09/05/19 00:00

Matrix: Air

Date Received: 09/09/19 10:25

Sample Air Volume: 1.03 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

**Method: 1501 Sum - NIOSH Method 1501 (Modified)**

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 51                  | 49              | 15            |           | 11              | 09/18/19 14:13 | 1       | JCM     |

**Method: 1550 - NIOSH Method 1550 (Modified)**

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 1100                | 1100            |        |           | 29              | 09/19/19 14:22 | 1       | JCM     |



# Client Sample Results

Client: Meridian Environmental Consulting LLC  
Project/Site: Jump River, 10/04/19

Job ID: 310-166894-1

Client Sample ID: SVE, J

Lab Sample ID: 310-166894-1

Date Collected: 10/04/19 00:00

Matrix: Air

Date Received: 10/09/19 11:40

Sample Air Volume: 1.03 L

Sample Container: IH - Coconut Shell Charcoal Tube, 150 mg

## Method: 1501 Sum - NIOSH Method 1501 (Modified)

| Analyte | Result<br>ug/Sample | Result<br>mg/m3 | Result<br>ppm | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|---------|---------------------|-----------------|---------------|-----------|-----------------|----------------|---------|---------|
| Benzene | 65                  | 63              | 20            |           | 11              | 10/21/19 13:47 | 1       | JCM     |

## Method: 1550 - NIOSH Method 1550 (Modified)

| Analyte  | Result<br>ug/Sample | Result<br>mg/m3 | Result | Qualifier | RL<br>ug/Sample | Analyzed       | Dil Fac | Analyst |
|----------|---------------------|-----------------|--------|-----------|-----------------|----------------|---------|---------|
| Gasoline | 1100                | 1000            |        |           | 29              | 10/22/19 12:16 | 1       | JCM     |