

**From:** Crotteau, Katie <Katie.Crotteau@aecom.com>  
**Sent:** Tuesday, January 25, 2022 8:04 AM  
**To:** Saliars, Gwen N - DNR  
**Subject:** RE: Request PDF Version of Groundwater Tables for F V Steel and Wire Company (Former), BRRTS #02-45-560221  
**Attachments:** \_Summary of GW Results.pdf

**CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Please see attached and let me know if you need anything further.

Thanks,  
Katie

**Katie Crotteau**

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**From:** Saliars, Gwen N - DNR <[gwen.saliars@wisconsin.gov](mailto:gwen.saliars@wisconsin.gov)>  
**Sent:** Monday, January 24, 2022 10:13 AM  
**To:** Crotteau, Katie <[Katie.Crotteau@aecom.com](mailto:Katie.Crotteau@aecom.com)>  
**Subject:** [EXTERNAL] Request PDF Version of Groundwater Tables for F V Steel and Wire Company (Former), BRRTS #02-45-560221

Good morning,

You recently submitted three excel spreadsheets of groundwater data for the F V Steel and Wire Company (Former) site. Would you be able to submit those as a combined PDF? You can send them to me via email. Thank you,

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**Gwen Saliars**

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[dnr.wi.gov](http://dnr.wi.gov)

| Analyte                                     | NR140 ES | NR140 PAL | MW-1    | MW-10         | MW-12   | MW-13         | MW-14       | MW-1A         |
|---|----------|-----------|---------|---------------|---------|---------------|-------------|---------------|
|   |          |           | 2/22/21 | 2/22/21       | 2/23/21 | 2/23/21       | 2/23/21     | 2/23/21       |
| <b>300.0 IC Anions (ug/L)</b>               |          |           |         |               |         |               |             |               |
| Chloride                                    | --       | --        | 55.6    | 352           | 20.0    | 29.1          | 4.4J        | 155           |
| <b>353.2 Nitrogen, NO2/NO3 pres. (ug/L)</b> |          |           |         |               |         |               |             |               |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | <0.059  | <0.59         | <0.059  | <b>3.1</b>    | <0.059      | <0.059        |
| <b>4500S2F Sulfide, Iodometric (ug/L)</b>   |          |           |         |               |         |               |             |               |
| Sulfide                                     | --       | --        | <1.2    | <4.8          | <1.2    | <1.2          | <1.2        | <1.2          |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |               |         |               |             |               |
| Benzene                                     | 5        | 0.5       | <0.25   | <0.25         | <0.25   | <0.25         | <0.25       | <0.25         |
| Bromobenzene                                | --       | --        | <0.24   | <0.24         | <0.24   | <0.24         | <0.24       | <0.24         |
| Bromochloromethane                          | --       | --        | <0.36   | <0.36         | <0.36   | <0.36         | <0.36       | <0.36         |
| Bromodichloromethane                        | 0.6      | 0.06      | <0.36   | <0.36         | <0.36   | <0.36         | <0.36       | <0.36         |
| Bromoform                                   | 4.4      | 0.44      | <4.0    | <4.0          | <4.0    | <4.0          | <4.0        | <4.0          |
| Bromomethane                                | 10       | 1         | <0.97   | <0.97         | <0.97   | <0.97         | <0.97       | <0.97         |
| n-Butylbenzene                              | --       | --        | <0.71   | <0.71         | <0.71   | <0.71         | <0.71       | <0.71         |
| sec-Butylbenzene                            | --       | --        | <0.85   | <0.85         | <0.85   | <0.85         | <0.85       | <0.85         |
| tert-Butylbenzene                           | --       | --        | <0.30   | <0.30         | <0.30   | <0.30         | <0.30       | <0.30         |
| Carbon tetrachloride                        | 5        | 0.5       | <1.1    | <1.1          | <1.1    | <1.1          | <1.1        | <1.1          |
| Chlorobenzene                               | 100      | 20        | <0.71   | <0.71         | <0.71   | <0.71         | <0.71       | <0.71         |
| Chloroethane                                | 400      | 80        | <1.3    | <1.3          | <1.3    | <1.3          | <1.3        | <1.3          |
| Chloroform                                  | 6        | 0.6       | <1.3    | <1.3          | <1.3    | <1.3          | <1.3        | <1.3          |
| Chloromethane                               | 30       | 3         | <2.2    | <2.2          | <2.2    | <2.2          | <2.2        | <2.2          |
| 2-Chlorotoluene                             | --       | --        | <0.93   | <0.93         | <0.93   | <0.93         | <0.93       | <0.93         |
| 4-Chlorotoluene                             | --       | --        | <0.76   | <0.76         | <0.76   | <0.76         | <0.76       | <0.76         |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <1.8    | <1.8          | <1.8    | <1.8          | <1.8        | <1.8          |
| Dibromochloromethane                        | 60       | 6         | <2.6    | <2.6          | <2.6    | <2.6          | <2.6        | <2.6          |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <0.83   | <0.83         | <0.83   | <0.83         | <0.83       | <0.83         |
| Dibromomethane                              | --       | --        | <0.94   | <0.94         | <0.94   | <0.94         | <0.94       | <0.94         |
| 1,2-Dichlorobenzene                         | 600      | 60        | <0.71   | <0.71         | <0.71   | <0.71         | <0.71       | <0.71         |
| 1,3-Dichlorobenzene                         | 600      | 120       | <0.63   | <0.63         | <0.63   | <0.63         | <0.63       | <0.63         |
| 1,4-Dichlorobenzene                         | 75       | 15        | <0.94   | <0.94         | <0.94   | <0.94         | <0.94       | <0.94         |
| Dichlorodifluoromethane                     | 1000     | 200       | <0.50   | 1.8 J         | <0.50   | <0.50         | <0.50       | <0.50         |
| 1,1-Dichloroethane                          | 850      | 85        | <0.27   | 2.6           | <0.27   | <0.27         | 0.64 J      | <b>238</b>    |
| 1,2-Dichloroethane                          | 5        | 0.5       | <0.28   | <0.28         | <0.28   | <0.28         | <0.28       | <0.28         |
| 1,1-Dichloroethene                          | 7        | 0.7       | <0.24   | <b>0.79 J</b> | <0.24   | <0.24         | <0.24       | 19.9          |
| cis-1,2-Dichloroethene                      | 70       | 7         | <0.27   | <0.27         | <0.27   | <0.27         | <b>11.4</b> | <b>22.6</b>   |
| trans-1,2-Dichloroethene                    | 100      | 20        | <0.46   | <0.46         | <0.46   | <0.46         | 1.1 J       | 0.56 J        |
| 1,2-Dichloropropane                         | 5        | 0.5       | <0.28   | <0.28         | <0.28   | <0.28         | <0.28       | <0.28         |
| 1,3-Dichloropropane                         | --       | --        | <0.83   | <0.83         | <0.83   | <0.83         | <0.83       | <0.83         |
| 2,2-Dichloropropane                         | --       | --        | <2.3    | <2.3          | <2.3    | <2.3          | <2.3        | <2.3          |
| 1,1-Dichloropropene                         | --       | --        | <0.54   | <0.54         | <0.54   | <0.54         | <0.54       | <0.54         |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <3.6    | <3.6          | <3.6    | <3.6          | <3.6        | <3.6          |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <4.4    | <4.4          | <4.4    | <4.4          | <4.4        | <4.4          |
| Diisopropyl ether                           | --       | --        | <1.9    | <1.9          | <1.9    | <1.9          | <1.9        | <1.9          |
| Ethylbenzene                                | 700      | 140       | <0.32   | <0.32         | <0.32   | <0.32         | <0.32       | <0.32         |
| Hexachloro-1,3-butadiene                    | --       | --        | <1.5    | <1.5          | <1.5    | <1.5          | <1.5        | <1.5          |
| Isopropylbenzene (Cumene)                   | --       | --        | <1.7    | <1.7          | <1.7    | <1.7          | <1.7        | <1.7          |
| p-Isopropyltoluene                          | --       | --        | <0.80   | <0.80         | <0.80   | <0.80         | <0.80       | <0.80         |
| Methylene Chloride                          | 5        | 0.5       | <0.58   | <0.58         | <0.58   | <0.58         | <0.58       | <0.58         |
| Methyl-tert-butyl ether                     | 60       | 12        | <1.2    | <1.2          | <1.2    | <1.2          | <1.2        | <1.2          |
| Naphthalene                                 | 100      | 10        | <1.2    | <1.2          | <1.2    | <1.2          | <1.2        | <1.2          |
| n-Propylbenzene                             | --       | --        | <0.81   | <0.81         | <0.81   | <0.81         | <0.81       | <0.81         |
| Styrene                                     | 100      | 10        | <3.0    | <3.0          | <3.0    | <3.0          | <3.0        | <3.0          |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <0.27   | <0.27         | <0.27   | <0.27         | <0.27       | <0.27         |
| 1,1,1,2,2-Tetrachloroethane                 | 0.2      | 0.02      | <0.28   | <0.28         | <0.28   | <0.28         | <0.28       | <0.28         |
| Tetrachloroethene                           | 5        | 0.5       | <0.33   | <0.33         | <0.33   | <0.33         | <0.33       | <0.33         |
| Toluene                                     | 800      | 160       | <0.27   | <0.27         | <0.27   | <0.27         | <0.27       | <0.27         |
| 1,2,3-Trichlorobenzene                      | --       | --        | <2.2    | <2.2          | <2.2    | <2.2          | <2.2        | <2.2          |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <0.95   | <0.95         | <0.95   | <0.95         | <0.95       | <0.95         |
| 1,1,1-Trichloroethane                       | 200      | 40        | <0.24   | 1.5           | <0.24   | <0.24         | <0.24       | <0.24         |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <0.55   | <0.55         | <0.55   | <0.55         | <0.55       | <0.55         |
| Trichloroethene                             | 5        | 0.5       | <0.26   | <b>1.2</b>    | <0.26   | <b>0.55 J</b> | 10.1        | 5.2           |
| Trichlorofluoromethane                      | 3490     | 698       | <0.21   | <0.21         | <0.21   | <0.21         | <0.21       | <0.21         |
| 1,2,3-Trichloropropane                      | 60       | 12        | <0.59   | <0.59         | <0.59   | <0.59         | <0.59       | <0.59         |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <0.84   | <0.84         | <0.84   | <0.84         | <0.84       | <0.84         |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <0.87   | <0.87         | <0.87   | <0.87         | <0.87       | <0.87         |
| Vinyl chloride                              | 0.2      | 0.02      | <0.17   | <0.17         | <0.17   | <0.17         | <0.17       | <b>0.93 J</b> |
| Xylene (Total)                              | 2000     | 400       | <1.5    | <1.5          | <1.5    | <1.5          | <1.5        | <1.5          |
| m&p-Xylene                                  | --       | --        | <0.47   | <0.47         | <0.47   | <0.47         | <0.47       | <0.47         |
| o-Xylene                                    | --       | --        | <0.26   | <0.26         | <0.26   | <0.26         | <0.26       | <0.26         |
| <b>Methane, Ethane, Ethene GCV (ug/L)</b>   |          |           |         |               |         |               |             |               |
| Ethane                                      | --       | --        | <1.2    | <1.2          | <1.2    | <1.2          | <1.2        | <1.2          |
| Ethene                                      | --       | --        | <1.2    | <1.2          | <1.2    | <1.2          | <1.2        | <1.2          |
| Methane                                     | --       | --        | <0.66   | 3.0           | <0.66   | 2.5 J         | <0.66       | <0.66         |

| Analyte                                     | NR140 ES | NR140 PAL | MW-1B   | MW-1C   | MW-3    | MW-4    | MW-5    | MW-6    |
|---|----------|-----------|---------|---------|---------|---------|---------|---------|
|   |          |           | 2/23/21 | 2/23/21 | 2/22/21 | 2/22/21 | 2/22/21 | 2/22/21 |
| <b>300.0 IC Anions (ug/L)</b>               |          |           |         |         |         |         |         |         |
| Chloride                                    | --       | --        | 42.9    | 65.1    | 2,410   | 1,260   | 130     | 24.6    |
| <b>353.2 Nitrogen, NO2/NO3 pres. (ug/L)</b> |          |           |         |         |         |         |         |         |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | <0.059  | <0.059  | <0.30   | <0.30   | <0.30   | <0.059  |
| <b>4500S2F Sulfide, Iodometric (ug/L)</b>   |          |           |         |         |         |         |         |         |
| Sulfide                                     | --       | --        | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |         |         |         |         |         |
| Benzene                                     | 5        | 0.5       | 0.39 J  | 0.38 J  | 0.26 J  | <0.25   | <0.25   | <0.25   |
| Bromobenzene                                | --       | --        | <0.24   | <0.24   | <0.24   | <0.24   | <0.24   | <0.24   |
| Bromochloromethane                          | --       | --        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| Bromodichloromethane                        | 0.6      | 0.06      | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| Bromoform                                   | 4.4      | 0.44      | <4.0    | <4.0    | <4.0    | <4.0    | <4.0    | <4.0    |
| Bromomethane                                | 10       | 1         | <0.97   | <0.97   | <0.97   | <0.97   | <0.97   | <0.97   |
| n-Butylbenzene                              | --       | --        | <0.71   | <0.71   | <0.71   | <0.71   | <0.71   | <0.71   |
| sec-Butylbenzene                            | --       | --        | <0.85   | <0.85   | <0.85   | <0.85   | <0.85   | <0.85   |
| tert-Butylbenzene                           | --       | --        | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   |
| Carbon tetrachloride                        | 5        | 0.5       | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    |
| Chlorobenzene                               | 100      | 20        | <0.71   | <0.71   | <0.71   | <0.71   | <0.71   | <0.71   |
| Chloroethane                                | 400      | 80        | 1.7 J   | 7.9     | <1.3    | <1.3    | <1.3    | <1.3    |
| Chloroform                                  | 6        | 0.6       | <1.3    | <1.3    | <1.3    | <1.3    | <1.3    | <1.3    |
| Chloromethane                               | 30       | 3         | <2.2    | <2.2    | <2.2    | <2.2    | <2.2    | <2.2    |
| 2-Chlorotoluene                             | --       | --        | <0.93   | <0.93   | <0.93   | <0.93   | <0.93   | <0.93   |
| 4-Chlorotoluene                             | --       | --        | <0.76   | <0.76   | <0.76   | <0.76   | <0.76   | <0.76   |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <1.8    | <1.8    | <1.8    | <1.8    | <1.8    | <1.8    |
| Dibromochloromethane                        | 60       | 6         | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <0.83   | <0.83   | <0.83   | <0.83   | <0.83   | <0.83   |
| Dibromomethane                              | --       | --        | <0.94   | <0.94   | <0.94   | <0.94   | <0.94   | <0.94   |
| 1,2-Dichlorobenzene                         | 600      | 60        | <0.71   | <0.71   | <0.71   | <0.71   | <0.71   | <0.71   |
| 1,3-Dichlorobenzene                         | 600      | 120       | <0.63   | <0.63   | <0.63   | <0.63   | <0.63   | <0.63   |
| 1,4-Dichlorobenzene                         | 75       | 15        | <0.94   | <0.94   | <0.94   | <0.94   | <0.94   | <0.94   |
| Dichlorodifluoromethane                     | 1000     | 200       | <0.50   | <0.50   | <0.50   | <0.50   | <0.50   | <0.50   |
| 1,1-Dichloroethane                          | 850      | 85        | 566     | 3630    | 26.0    | 2.2     | <0.27   | <0.27   |
| 1,2-Dichloroethane                          | 5        | 0.5       | 0.84 J  | 10.3    | <0.28   | <0.28   | <0.28   | <0.28   |
| 1,1-Dichloroethene                          | 7        | 0.7       | 12.5    | 130     | 12.5    | 0.64 J  | <0.24   | <0.24   |
| cis-1,2-Dichloroethene                      | 70       | 7         | 36.0    | 21.1    | 1.4     | 0.42 J  | <0.27   | <0.27   |
| trans-1,2-Dichloroethene                    | 100      | 20        | 0.89 J  | 0.57 J  | <0.46   | <0.46   | <0.46   | <0.46   |
| 1,2-Dichloropropane                         | 5        | 0.5       | <0.28   | <0.28   | <0.28   | <0.28   | <0.28   | <0.28   |
| 1,3-Dichloropropane                         | --       | --        | <0.83   | <0.83   | <0.83   | <0.83   | <0.83   | <0.83   |
| 2,2-Dichloropropane                         | --       | --        | <2.3    | <2.3    | <2.3    | <2.3    | <2.3    | <2.3    |
| 1,1-Dichloropropene                         | --       | --        | <0.54   | <0.54   | <0.54   | <0.54   | <0.54   | <0.54   |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <3.6    | <3.6    | <3.6    | <3.6    | <3.6    | <3.6    |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <4.4    | <4.4    | <4.4    | <4.4    | <4.4    | <4.4    |
| Diisopropyl ether                           | --       | --        | <1.9    | <1.9    | <1.9    | <1.9    | <1.9    | <1.9    |
| Ethylbenzene                                | 700      | 140       | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   |
| Hexachloro-1,3-butadiene                    | --       | --        | <1.5    | <1.5    | <1.5    | <1.5    | <1.5    | <1.5    |
| Isopropylbenzene (Cumene)                   | --       | --        | <1.7    | <1.7    | <1.7    | <1.7    | <1.7    | <1.7    |
| p-Isopropyltoluene                          | --       | --        | <0.80   | <0.80   | <0.80   | <0.80   | <0.80   | <0.80   |
| Methylene Chloride                          | 5        | 0.5       | <0.58   | <0.58   | <0.58   | <0.58   | <0.58   | <0.58   |
| Methyl-tert-butyl ether                     | 60       | 12        | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    |
| Naphthalene                                 | 100      | 10        | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    |
| n-Propylbenzene                             | --       | --        | <0.81   | <0.81   | <0.81   | <0.81   | <0.81   | <0.81   |
| Styrene                                     | 100      | 10        | <3.0    | <3.0    | <3.0    | <3.0    | <3.0    | <3.0    |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <0.27   | <0.27   | <0.27   | <0.27   | <0.27   | <0.27   |
| 1,1,2,2-Tetrachloroethane                   | 0.2      | 0.02      | <0.28   | <0.28   | <0.28   | <0.28   | <0.28   | <0.28   |
| Tetrachloroethene                           | 5        | 0.5       | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   |
| Toluene                                     | 800      | 160       | <0.27   | <0.27   | <0.27   | <0.27   | <0.27   | <0.27   |
| 1,2,3-Trichlorobenzene                      | --       | --        | <2.2    | <2.2    | <2.2    | <2.2    | <2.2    | <2.2    |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   |
| 1,1,1-Trichloroethane                       | 200      | 40        | <0.24   | <0.24   | 9.7     | 0.68 J  | <0.24   | <0.24   |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <0.55   | <0.55   | <0.55   | <0.55   | <0.55   | <0.55   |
| Trichloroethene                             | 5        | 0.5       | 31.2    | 45.8    | 5.2     | 1.7     | 0.37 J  | <0.26   |
| Trichlorofluoromethane                      | 3490     | 698       | <0.21   | <0.21   | <0.21   | <0.21   | <0.21   | <0.21   |
| 1,2,3-Trichloropropane                      | 60       | 12        | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <0.84   | <0.84   | <0.84   | <0.84   | <0.84   | <0.84   |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <0.87   | <0.87   | <0.87   | <0.87   | <0.87   | <0.87   |
| Vinyl chloride                              | 0.2      | 0.02      | 1.6     | 8.4     | 0.58 J  | <0.17   | <0.17   | <0.17   |
| Xylene (Total)                              | 2000     | 400       | <1.5    | <1.5    | <1.5    | <1.5    | <1.5    | <1.5    |
| m&p-Xylene                                  | --       | --        | <0.47   | <0.47   | <0.47   | <0.47   | <0.47   | <0.47   |
| o-Xylene                                    | --       | --        | <0.26   | <0.26   | <0.26   | <0.26   | <0.26   | <0.26   |
| <b>Methane, Ethane, Ethene GCV (ug/L)</b>   |          |           |         |         |         |         |         |         |
| Ethane                                      | --       | --        | 1.4 J   | 1.3 J   | <1.2    | <1.2    | <1.2    | <1.2    |
| Ethene                                      | --       | --        | <1.2    | 1.7 J   | <1.2    | <1.2    | <1.2    | <1.2    |
| Methane                                     | --       | --        | 6.1     | 5.8     | 11.9    | 2.1 J   | 1.7 J   | <0.66   |

| Analyte                                     | NR140 ES | NR140 PAL | MW-7    | MW-8    | PZ-2    | PZ-3    | TRIP BLANK |
|---|----------|-----------|---------|---------|---------|---------|------------|
|   |          |           | 2/22/21 | 2/22/21 | 2/22/21 | 2/23/21 | 2/23/21    |
| <b>300.0 IC Anions (ug/L)</b>               |          |           |         |         |         |         |            |
| Chloride                                    | --       | --        | 23.3    | 10,300  | 2,560   | 36.4    | NA         |
| <b>353.2 Nitrogen, NO2/NO3 pres. (ug/L)</b> |          |           |         |         |         |         |            |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | 0.11J   | <1.5    | <0.059  | <0.059  | NA         |
| <b>4500S2F Sulfide, Iodometric (ug/L)</b>   |          |           |         |         |         |         |            |
| Sulfide                                     | --       | --        | <1.2    | <1.2    | <1.2    | <1.2    | NA         |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |         |         |         |            |
| Benzene                                     | 5        | 0.5       | <0.25   | 0.75 J  | <0.25   | <2.5    | <0.25      |
| Bromobenzene                                | --       | --        | <0.24   | <0.24   | <0.24   | <2.4    | <0.24      |
| Bromochloromethane                          | --       | --        | <0.36   | <0.36   | <0.36   | <3.6    | <0.36      |
| Bromodichloromethane                        | 0.6      | 0.06      | <0.36   | <0.36   | <0.36   | <3.6    | <0.36      |
| Bromoform                                   | 4.4      | 0.44      | <4.0    | <4.0    | <4.0    | <39.7   | <4.0       |
| Bromomethane                                | 10       | 1         | <0.97   | <0.97   | <0.97   | <9.7    | <0.97      |
| n-Butylbenzene                              | --       | --        | <0.71   | <0.71   | <0.71   | <7.1    | <0.71      |
| sec-Butylbenzene                            | --       | --        | <0.85   | <0.85   | <0.85   | <8.5    | <0.85      |
| tert-Butylbenzene                           | --       | --        | <0.30   | <0.30   | <0.30   | <3.0    | <0.30      |
| Carbon tetrachloride                        | 5        | 0.5       | <1.1    | <1.1    | <1.1    | <10.8   | <1.1       |
| Chlorobenzene                               | 100      | 20        | <0.71   | <0.71   | <0.71   | <7.1    | <0.71      |
| Chloroethane                                | 400      | 80        | <1.3    | <1.3    | <1.3    | <13.4   | <1.3       |
| Chloroform                                  | 6        | 0.6       | <1.3    | <1.3    | <1.3    | <12.7   | <1.3       |
| Chloromethane                               | 30       | 3         | <2.2    | <2.2    | <2.2    | <21.9   | <2.2       |
| 2-Chlorotoluene                             | --       | --        | <0.93   | <0.93   | <0.93   | <9.3    | <0.93      |
| 4-Chlorotoluene                             | --       | --        | <0.76   | <0.76   | <0.76   | <7.6    | <0.76      |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <1.8    | <1.8    | <1.8    | <17.6   | <1.8       |
| Dibromochloromethane                        | 60       | 6         | <2.6    | <2.6    | <2.6    | <26.0   | <2.6       |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <0.83   | <0.83   | <0.83   | <8.3    | <0.83      |
| Dibromomethane                              | --       | --        | <0.94   | <0.94   | <0.94   | <9.4    | <0.94      |
| 1,2-Dichlorobenzene                         | 600      | 60        | <0.71   | <0.71   | <0.71   | <7.1    | <0.71      |
| 1,3-Dichlorobenzene                         | 600      | 120       | <0.63   | <0.63   | <0.63   | <6.3    | <0.63      |
| 1,4-Dichlorobenzene                         | 75       | 15        | <0.94   | <0.94   | <0.94   | <9.4    | <0.94      |
| Dichlorodifluoromethane                     | 1000     | 200       | <0.50   | 1.7 J   | <0.50   | <5.0    | <0.50      |
| 1,1-Dichloroethane                          | 850      | 85        | <0.27   | 16.0    | 4.4     | 1340    | <0.27      |
| 1,2-Dichloroethane                          | 5        | 0.5       | <0.28   | 1.1     | <0.28   | <2.8    | <0.28      |
| 1,1-Dichloroethene                          | 7        | 0.7       | <0.24   | 5.4     | 0.46 J  | 31.2    | <0.24      |
| cis-1,2-Dichloroethene                      | 70       | 7         | <0.27   | 1.1     | 1.3     | 42.0    | <0.27      |
| trans-1,2-Dichloroethene                    | 100      | 20        | <0.46   | <0.46   | <0.46   | <4.6    | <0.46      |
| 1,2-Dichloropropane                         | 5        | 0.5       | <0.28   | <0.28   | <0.28   | <2.8    | <0.28      |
| 1,3-Dichloropropane                         | --       | --        | <0.83   | <0.83   | <0.83   | <8.3    | <0.83      |
| 2,2-Dichloropropane                         | --       | --        | <2.3    | <2.3    | <2.3    | <22.7   | <2.3       |
| 1,1-Dichloropropene                         | --       | --        | <0.54   | <0.54   | <0.54   | <5.4    | <0.54      |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <3.6    | <3.6    | <3.6    | <36.3   | <3.6       |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <4.4    | <4.4    | <4.4    | <43.7   | <4.4       |
| Diisopropyl ether                           | --       | --        | <1.9    | <1.9    | <1.9    | <18.9   | <1.9       |
| Ethylbenzene                                | 700      | 140       | <0.32   | <0.32   | <0.32   | <3.2    | <0.32      |
| Hexachloro-1,3-butadiene                    | --       | --        | <1.5    | <1.5    | <1.5    | <14.6   | <1.5       |
| Isopropylbenzene (Cumene)                   | --       | --        | <1.7    | <1.7    | <1.7    | <16.9   | <1.7       |
| p-Isopropyltoluene                          | --       | --        | <0.80   | <0.80   | <0.80   | <8.0    | <0.80      |
| Methylene Chloride                          | 5        | 0.5       | <0.58   | <0.58   | <0.58   | <5.8    | <0.58      |
| Methyl-tert-butyl ether                     | 60       | 12        | <1.2    | <1.2    | <1.2    | <12.5   | <1.2       |
| Naphthalene                                 | 100      | 10        | <1.2    | <1.2    | <1.2    | <11.8   | <1.2       |
| n-Propylbenzene                             | --       | --        | <0.81   | <0.81   | <0.81   | <8.1    | <0.81      |
| Styrene                                     | 100      | 10        | <3.0    | <3.0    | <3.0    | <30.1   | <3.0       |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <0.27   | <0.27   | <0.27   | <2.7    | <0.27      |
| 1,1,2,2-Tetrachloroethane                   | 0.2      | 0.02      | <0.28   | <0.28   | <0.28   | <2.8    | <0.28      |
| Tetrachloroethene                           | 5        | 0.5       | <0.33   | <0.33   | <0.33   | <3.3    | <0.33      |
| Toluene                                     | 800      | 160       | <0.27   | 0.40 J  | <0.27   | <2.7    | <0.27      |
| 1,2,3-Trichlorobenzene                      | --       | --        | <2.2    | <2.2    | <2.2    | <22.1   | <2.2       |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <0.95   | <0.95   | <0.95   | <9.5    | <0.95      |
| 1,1,1-Trichloroethane                       | 200      | 40        | <0.24   | 1.9     | <0.24   | <2.4    | <0.24      |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <0.55   | <0.55   | <0.55   | <5.5    | <0.55      |
| Trichloroethene                             | 5        | 0.5       | 0.32 J  | 2.5     | <0.26   | 11.6    | <0.26      |
| Trichlorofluoromethane                      | 3490     | 698       | <0.21   | <0.21   | <0.21   | <2.1    | <0.21      |
| 1,2,3-Trichloropropane                      | 60       | 12        | <0.59   | <0.59   | <0.59   | <5.9    | <0.59      |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <0.84   | <0.84   | <0.84   | <8.4    | <0.84      |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <0.87   | <0.87   | <0.87   | <8.7    | <0.87      |
| Vinyl chloride                              | 0.2      | 0.02      | <0.17   | 2.1     | 0.24 J  | 2.9 J   | <0.17      |
| Xylene (Total)                              | 2000     | 400       | <1.5    | <1.5    | <1.5    | <15.0   | <1.5       |
| m&p-Xylene                                  | --       | --        | <0.47   | <0.47   | <0.47   | <4.7    | <0.47      |
| o-Xylene                                    | --       | --        | <0.26   | <0.26   | <0.26   | <2.6    | <0.26      |
| <b>Methane, Ethane, Ethene GCV (ua/L)</b>   |          |           |         |         |         |         |            |
| Ethane                                      | --       | --        | <1.2    | 3.5 J   | <1.2    | <1.2    | NA         |
| Ethene                                      | --       | --        | <1.2    | <1.2    | <1.2    | <1.2    | NA         |
| Methane                                     | --       | --        | <0.66   | 42.1    | 3.5     | 2.6 J   | NA         |

| Analyte                                     | NR140 ES | NR140 PAL | MW-1    | MW-10   | MW-11   | MW-12   | MW-13   | MW-14   | MW-3    |
|---|----------|-----------|---------|---------|---------|---------|---------|---------|---------|
|   |          |           | 8/11/21 | 8/12/21 | 8/12/21 | 8/11/21 | 8/12/21 | 8/10/21 | 8/11/21 |
| <b>300.0 IC Anions (mg/L)</b>               |          |           |         |         |         |         |         |         |         |
| Chloride                                    | --       | --        | 5.7J    | 231     | 96.9    | 18.0    | 13.7    | 1.9J    | 2,260   |
| <b>353.2 Nitrogen, NO2/NO3 pres. (mg/L)</b> |          |           |         |         |         |         |         |         |         |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | <0.30   | 0.067J  | 0.087J  | <0.059  | 0.47    | 0.14J   | <0.30   |
| <b>4500S2F Sulfide, Iodometric (mg/L)</b>   |          |           |         |         |         |         |         |         |         |
| Sulfide                                     | --       | --        | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |         |         |         |         |         |         |
| Benzene                                     | 5        | 0.5       | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   |
| Bromobenzene                                | --       | --        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| Bromochloromethane                          | --       | --        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| Bromodichloromethane                        | 0.6      | 0.06      | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   |
| Bromoform                                   | 4.4      | 0.44      | <3.8    | <3.8    | <3.8    | <3.8    | <3.8    | <3.8    | <3.8    |
| Bromomethane                                | 10       | 1         | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    |
| n-Butylbenzene                              | --       | --        | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   |
| sec-Butylbenzene                            | --       | --        | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   |
| tert-Butylbenzene                           | --       | --        | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   |
| Carbon tetrachloride                        | 5        | 0.5       | <0.37   | <0.37   | <0.37   | <0.37   | <0.37   | <0.37   | <0.37   |
| Chlorobenzene                               | 100      | 20        | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   |
| Chloroethane                                | 400      | 80        | <1.4    | <1.4    | <1.4    | <1.4    | <1.4    | <1.4    | <1.4    |
| Chloroform                                  | 6        | 0.6       | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    |
| Chloromethane                               | 30       | 3         | <1.6    | <1.6    | <1.6    | <1.6    | <1.6    | <1.6    | <1.6    |
| 2-Chlorotoluene                             | --       | --        | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   |
| 4-Chlorotoluene                             | --       | --        | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <2.4    | <2.4    | <2.4    | <2.4    | <2.4    | <2.4    | <2.4    |
| Dibromochloromethane                        | 60       | 6         | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <0.31   | <0.31   | <0.31   | <0.31   | <0.31   | <0.31   | <0.31   |
| Dibromomethane                              | --       | --        | <0.99   | <0.99   | <0.99   | <0.99   | <0.99   | <0.99   | <0.99   |
| 1,2-Dichlorobenzene                         | 600      | 60        | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   |
| 1,3-Dichlorobenzene                         | 600      | 120       | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   |
| 1,4-Dichlorobenzene                         | 75       | 15        | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   |
| Dichlorodifluoromethane                     | 1000     | 200       | <0.46   | <0.46   | <0.46   | <0.46   | <0.46   | <0.46   | <0.46   |
| 1,1-Dichloroethane                          | 850      | 85        | <0.30   | 0.87 J  | <0.30   | <0.30   | <0.30   | 2.3     | 24.5    |
| 1,2-Dichloroethane                          | 5        | 0.5       | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   |
| 1,1-Dichloroethene                          | 7        | 0.7       | <0.58   | <0.58   | <0.58   | <0.58   | <0.58   | <0.58   | 9.0     |
| cis-1,2-Dichloroethene                      | 70       | 7         | 0.55 J  | <0.47   | <0.47   | <0.47   | <0.47   | 1.3     | 1.1     |
| trans-1,2-Dichloroethene                    | 100      | 20        | <0.53   | <0.53   | <0.53   | <0.53   | <0.53   | <0.53   | <0.53   |
| 1,2-Dichloropropane                         | 5        | 0.5       | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   |
| 1,3-Dichloropropane                         | --       | --        | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   |
| 2,2-Dichloropropane                         | --       | --        | <4.2    | <4.2    | <4.2    | <4.2    | <4.2    | <4.2    | <4.2    |
| 1,1-Dichloropropene                         | --       | --        | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <3.5    | <3.5    | <3.5    | <3.5    | <3.5    | <3.5    | <3.5    |
| Diisopropyl ether                           | --       | --        | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    |
| Ethylbenzene                                | 700      | 140       | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   |
| Hexachloro-1,3-butadiene                    | --       | --        | <2.7    | <2.7    | <2.7    | <2.7    | <2.7    | <2.7    | <2.7    |
| Isopropylbenzene (Cumene)                   | --       | --        | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    |
| p-Isopropyltoluene                          | --       | --        | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    |
| Methylene Chloride                          | 5        | 0.5       | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   |
| Methyl-tert-butyl ether                     | 60       | 12        | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    |
| Naphthalene                                 | 100      | 10        | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    |
| n-Propylbenzene                             | --       | --        | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   |
| Styrene                                     | 100      | 10        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| 1,1,2,2-Tetrachloroethane                   | 0.2      | 0.02      | <0.38   | <0.38   | <0.38   | <0.38   | <0.38   | <0.38   | <0.38   |
| Tetrachloroethene                           | 5        | 0.5       | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   |
| Toluene                                     | 800      | 160       | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   |
| 1,2,3-Trichlorobenzene                      | --       | --        | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   |
| 1,1,1-Trichloroethane                       | 200      | 40        | 1.1     | 0.74 J  | 0.36 J  | <0.30   | <0.30   | <0.30   | 6.0     |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <0.34   | <0.34   | <0.34   | <0.34   | <0.34   | <0.34   | <0.34   |
| Trichloroethene                             | 5        | 0.5       | 5.9     | 0.81 J  | <0.32   | <0.32   | <0.32   | 2.3     | 5.7     |
| Trichlorofluoromethane                      | 3490     | 698       | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   |
| 1,2,3-Trichloropropane                      | 60       | 12        | <0.56   | <0.56   | <0.56   | <0.56   | <0.56   | <0.56   | <0.56   |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   |
| Vinyl chloride                              | 0.2      | 0.02      | <0.17   | <0.17   | <0.17   | <0.17   | <0.17   | <0.17   | <0.17   |
| Xylene (Total)                              | 2000     | 400       | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    |
| m&p-Xylene                                  | --       | --        | <0.70   | <0.70   | <0.70   | <0.70   | <0.70   | <0.70   | <0.70   |
| o-Xylene                                    | --       | --        | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   |
| <b>Methane, Ethane, Ethene GCV (ug/L)</b>   |          |           |         |         |         |         |         |         |         |
| Ethane                                      | --       | --        | 0.62 J  | <0.39   | <0.39   | <0.39   | <0.39   | <0.39   | 0.83 J  |
| Ethene                                      | --       | --        | <0.25   | <0.25   | <0.25   | <0.25   | <0.25   | <0.25   | 0.28 J  |
| Methane                                     | --       | --        | 41.6    | 0.62 J  | <0.58   | <0.58   | <0.58   | <0.58   | 10.1    |

| Analyte                                     | NR140 ES | NR140 PAL | MW-4    | MW-5    | MW-6    | MW-7    | MW-8    | PZ-2    | PZ-3    |
|---|----------|-----------|---------|---------|---------|---------|---------|---------|---------|
|   |          |           | 8/12/21 | 8/11/21 | 8/11/21 | 8/11/21 | 8/11/21 | 8/12/21 | 8/10/21 |
| <b>300.0 IC Anions (mg/L)</b>               |          |           |         |         |         |         |         |         |         |
| Chloride                                    | --       | --        | 821     | 169     | 19.0    | 12.7    | 4,990   | 250     | 28.7    |
| <b>353.2 Nitrogen, NO2/NO3 pres. (mg/L)</b> |          |           |         |         |         |         |         |         |         |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | 0.11J   | <0.30   | <0.059  | 0.088J  | <0.059  | 6.3     | <0.059  |
| <b>4500S2F Sulfide, Iodometric (mg/L)</b>   |          |           |         |         |         |         |         |         |         |
| Sulfide                                     | --       | --        | <1.2    | <1.2    | <1.2    | 3.4J    | <1.2    | <1.2    | <1.2    |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |         |         |         |         |         |         |
| Benzene                                     | 5        | 0.5       | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <3.0    |
| Bromobenzene                                | --       | --        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <3.6    |
| Bromochloromethane                          | --       | --        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <3.6    |
| Bromodichloromethane                        | 0.6      | 0.06      | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <4.2    |
| Bromoform                                   | 4.4      | 0.44      | <3.8    | <3.8    | <3.8    | <3.8    | <3.8    | <3.8    | <38.0   |
| Bromomethane                                | 10       | 1         | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <11.9   |
| n-Butylbenzene                              | --       | --        | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <8.6    |
| sec-Butylbenzene                            | --       | --        | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <4.2    |
| tert-Butylbenzene                           | --       | --        | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   | <0.59   | <5.9    |
| Carbon tetrachloride                        | 5        | 0.5       | <0.37   | <0.37   | <0.37   | <0.37   | <0.37   | <0.37   | <3.7    |
| Chlorobenzene                               | 100      | 20        | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <0.86   | <8.6    |
| Chloroethane                                | 400      | 80        | <1.4    | <1.4    | <1.4    | <1.4    | <1.4    | <1.4    | <13.8   |
| Chloroform                                  | 6        | 0.6       | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <1.2    | <11.8   |
| Chloromethane                               | 30       | 3         | <1.6    | <1.6    | <1.6    | <1.6    | <1.6    | <1.6    | <16.4   |
| 2-Chlorotoluene                             | --       | --        | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <8.9    |
| 4-Chlorotoluene                             | --       | --        | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <8.9    |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <2.4    | <2.4    | <2.4    | <2.4    | <2.4    | <2.4    | <23.7   |
| Dibromochloromethane                        | 60       | 6         | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    | <2.6    | <26.4   |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <0.31   | <0.31   | <0.31   | <0.31   | <0.31   | <0.31   | <3.1    |
| Dibromomethane                              | --       | --        | <0.99   | <0.99   | <0.99   | <0.99   | <0.99   | <0.99   | <9.9    |
| 1,2-Dichlorobenzene                         | 600      | 60        | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <3.3    |
| 1,3-Dichlorobenzene                         | 600      | 120       | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <3.5    |
| 1,4-Dichlorobenzene                         | 75       | 15        | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <0.89   | <8.9    |
| Dichlorodifluoromethane                     | 1000     | 200       | <0.46   | <0.46   | <0.46   | <0.46   | <0.46   | <0.46   | <4.6    |
| 1,1-Dichloroethane                          | 850      | 85        | 0.62 J  | <0.30   | <0.30   | <0.30   | 4.8     | 0.87 J  | 1380    |
| 1,2-Dichloroethane                          | 5        | 0.5       | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <2.9    |
| 1,1-Dichloroethene                          | 7        | 0.7       | <0.58   | <0.58   | <0.58   | <0.58   | 1.5     | <0.58   | 20.1    |
| cis-1,2-Dichloroethene                      | 70       | 7         | <0.47   | <0.47   | <0.47   | <0.47   | <0.47   | <0.47   | 54.2    |
| trans-1,2-Dichloroethene                    | 100      | 20        | <0.53   | <0.53   | <0.53   | <0.53   | <0.53   | <0.53   | <5.3    |
| 1,2-Dichloropropane                         | 5        | 0.5       | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <4.5    |
| 1,3-Dichloropropane                         | --       | --        | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <0.30   | <3.0    |
| 2,2-Dichloropropane                         | --       | --        | <4.2    | <4.2    | <4.2    | <4.2    | <4.2    | <4.2    | <41.8   |
| 1,1-Dichloropropene                         | --       | --        | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <4.1    |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <3.6    |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <3.5    | <3.5    | <3.5    | <3.5    | <3.5    | <3.5    | <34.6   |
| Diisopropyl ether                           | --       | --        | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <11.0   |
| Ethylbenzene                                | 700      | 140       | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <0.33   | <3.3    |
| Hexachloro-1,3-butadiene                    | --       | --        | <2.7    | <2.7    | <2.7    | <2.7    | <2.7    | <2.7    | <27.4   |
| Isopropylbenzene (Cumene)                   | --       | --        | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <10.0   |
| p-Isopropyltoluene                          | --       | --        | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <10.4   |
| Methylene Chloride                          | 5        | 0.5       | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   | <0.32   | <3.2    |
| Methyl-tert-butyl ether                     | 60       | 12        | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <11.3   |
| Naphthalene                                 | 100      | 10        | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <1.1    | <11.3   |
| n-Propylbenzene                             | --       | --        | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <3.5    |
| Styrene                                     | 100      | 10        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <3.6    |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <3.6    |
| 1,1,2,2-Tetrachloroethane                   | 0.2      | 0.02      | <0.38   | <0.38   | <0.38   | <0.38   | <0.38   | <0.38   | <3.8    |
| Tetrachloroethene                           | 5        | 0.5       | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <0.41   | <4.1    |
| Toluene                                     | 800      | 160       | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <0.29   | <2.9    |
| 1,2,3-Trichlorobenzene                      | --       | --        | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <10.2   |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   | <0.95   | <9.5    |
| 1,1,1-Trichloroethane                       | 200      | 40        | 0.48 J  | <0.30   | <0.30   | <0.30   | 0.84 J  | 1.1     | <3.0    |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <0.34   | <0.34   | <0.34   | <0.34   | <0.34   | <0.34   | <3.4    |
| Trichloroethene                             | 5        | 0.5       | 1.3     | 0.45 J  | <0.32   | <0.32   | 2.0     | 1.6     | 14.0    |
| Trichlorofluoromethane                      | 3490     | 698       | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <0.42   | <4.2    |
| 1,2,3-Trichloropropane                      | 60       | 12        | <0.56   | <0.56   | <0.56   | <0.56   | <0.56   | <0.56   | <5.6    |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <0.45   | <4.5    |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <0.36   | <3.6    |
| Vinyl chloride                              | 0.2      | 0.02      | <0.17   | <0.17   | <0.17   | <0.17   | <0.17   | <0.17   | <1.7    |
| Xylene (Total)                              | 2000     | 400       | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <1.0    | <10.5   |
| m&p-Xylene                                  | --       | --        | <0.70   | <0.70   | <0.70   | <0.70   | <0.70   | <0.70   | <7.0    |
| o-Xylene                                    | --       | --        | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <0.35   | <3.5    |
| <b>Methane, Ethane, Ethene GCV (ug/L)</b>   |          |           |         |         |         |         |         |         |         |
| Ethane                                      | --       | --        | <0.39   | <0.39   | <0.39   | <0.39   | <0.39   | <0.39   | <0.39   |
| Ethene                                      | --       | --        | <0.25   | <0.25   | <0.25   | <0.25   | <0.25   | <0.25   | <0.25   |
| Methane                                     | --       | --        | 0.73 J  | 0.59 J  | 1.9 J   | <0.58   | 13.5    | <0.58   | 0.72 J  |



| Analyte                                     | NR140 ES | NR140 PAL | PZ-MW1A | PZ-MW1B | PZ-MW1C | TRIP BLANK |
|---|----------|-----------|---------|---------|---------|------------|
|   |          |           | 8/10/21 | 8/10/21 | 8/10/21 | 8/12/21    |
| <b>300.0 IC Anions (mg/L)</b>               |          |           |         |         |         |            |
| Chloride                                    | --       | --        | 144     | 72.1    | 96.0    | NA         |
| <b>353.2 Nitrogen, NO2/NO3 pres. (mg/L)</b> |          |           |         |         |         |            |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | <0.059  | <0.059  | <0.059  | NA         |
| <b>4500S2F Sulfide, Iodometric (mg/L)</b>   |          |           |         |         |         |            |
| Sulfide                                     | --       | --        | <1.2    | <1.2    | <1.2    | NA         |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |         |         |            |
| Benzene                                     | 5        | 0.5       | <0.30   | <0.30   | 0.41 J  | <0.30      |
| Bromobenzene                                | --       | --        | <0.36   | <0.36   | <0.36   | <0.36      |
| Bromochloromethane                          | --       | --        | <0.36   | <0.36   | <0.36   | <0.36      |
| Bromodichloromethane                        | 0.6      | 0.06      | <0.42   | <0.42   | <0.42   | <0.42      |
| Bromoform                                   | 4.4      | 0.44      | <3.8    | <3.8    | <3.8    | <3.8       |
| Bromomethane                                | 10       | 1         | <1.2    | <1.2    | <1.2    | <1.2       |
| n-Butylbenzene                              | --       | --        | <0.86   | <0.86   | <0.86   | <0.86      |
| sec-Butylbenzene                            | --       | --        | <0.42   | <0.42   | <0.42   | <0.42      |
| tert-Butylbenzene                           | --       | --        | <0.59   | <0.59   | <0.59   | <0.59      |
| Carbon tetrachloride                        | 5        | 0.5       | <0.37   | <0.37   | <0.37   | <0.37      |
| Chlorobenzene                               | 100      | 20        | <0.86   | <0.86   | <0.86   | <0.86      |
| Chloroethane                                | 400      | 80        | <1.4    | <1.4    | 3.7 J   | <1.4       |
| Chloroform                                  | 6        | 0.6       | <1.2    | <1.2    | <1.2    | <1.2       |
| Chloromethane                               | 30       | 3         | <1.6    | <1.6    | <1.6    | <1.6       |
| 2-Chlorotoluene                             | --       | --        | <0.89   | <0.89   | <0.89   | <0.89      |
| 4-Chlorotoluene                             | --       | --        | <0.89   | <0.89   | <0.89   | <0.89      |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <2.4    | <2.4    | <2.4    | <2.4       |
| Dibromochloromethane                        | 60       | 6         | <2.6    | <2.6    | <2.6    | <2.6       |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <0.31   | <0.31   | <0.31   | <0.31      |
| Dibromomethane                              | --       | --        | <0.99   | <0.99   | <0.99   | <0.99      |
| 1,2-Dichlorobenzene                         | 600      | 60        | <0.33   | <0.33   | <0.33   | <0.33      |
| 1,3-Dichlorobenzene                         | 600      | 120       | <0.35   | <0.35   | <0.35   | <0.35      |
| 1,4-Dichlorobenzene                         | 75       | 15        | <0.89   | <0.89   | <0.89   | <0.89      |
| Dichlorodifluoromethane                     | 1000     | 200       | <0.46   | <0.46   | <0.46   | <0.46      |
| 1,1-Dichloroethane                          | 850      | 85        | 251     | 231     | 3700    | <0.30      |
| 1,2-Dichloroethane                          | 5        | 0.5       | <0.29   | <0.29   | 9.2     | <0.29      |
| 1,1-Dichloroethene                          | 7        | 0.7       | 17.2    | 5.1     | 107     | <0.58      |
| cis-1,2-Dichloroethene                      | 70       | 7         | 25.3    | 38.2    | 22.5    | <0.47      |
| trans-1,2-Dichloroethene                    | 100      | 20        | 0.60 J  | 1.3     | 0.66 J  | <0.53      |
| 1,2-Dichloropropane                         | 5        | 0.5       | <0.45   | <0.45   | <0.45   | <0.45      |
| 1,3-Dichloropropane                         | --       | --        | <0.30   | <0.30   | <0.30   | <0.30      |
| 2,2-Dichloropropane                         | --       | --        | <4.2    | <4.2    | <4.2    | <4.2       |
| 1,1-Dichloropropene                         | --       | --        | <0.41   | <0.41   | <0.41   | <0.41      |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <0.36   | <0.36   | <0.36   | <0.36      |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <3.5    | <3.5    | <3.5    | <3.5       |
| Diisopropyl ether                           | --       | --        | <1.1    | <1.1    | <1.1    | <1.1       |
| Ethylbenzene                                | 700      | 140       | <0.33   | <0.33   | <0.33   | <0.33      |
| Hexachloro-1,3-butadiene                    | --       | --        | <2.7    | <2.7    | <2.7    | <2.7       |
| Isopropylbenzene (Cumene)                   | --       | --        | <1.0    | <1.0    | <1.0    | <1.0       |
| p-Isopropyltoluene                          | --       | --        | <1.0    | <1.0    | <1.0    | <1.0       |
| Methylene Chloride                          | 5        | 0.5       | <0.32   | <0.32   | <0.32   | <0.32      |
| Methyl-tert-butyl ether                     | 60       | 12        | <1.1    | <1.1    | <1.1    | <1.1       |
| Naphthalene                                 | 100      | 10        | <1.1    | <1.1    | <1.1    | <1.1       |
| n-Propylbenzene                             | --       | --        | <0.35   | <0.35   | <0.35   | <0.35      |
| Styrene                                     | 100      | 10        | <0.36   | <0.36   | <0.36   | <0.36      |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <0.36   | <0.36   | <0.36   | <0.36      |
| 1,1,2,2-Tetrachloroethane                   | 0.2      | 0.02      | <0.38   | <0.38   | <0.38   | <0.38      |
| Tetrachloroethene                           | 5        | 0.5       | <0.41   | <0.41   | <0.41   | <0.41      |
| Toluene                                     | 800      | 160       | <0.29   | <0.29   | <0.29   | <0.29      |
| 1,2,3-Trichlorobenzene                      | --       | --        | <1.0    | <1.0    | <1.0    | <1.0       |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <0.95   | <0.95   | <0.95   | <0.95      |
| 1,1,1-Trichloroethane                       | 200      | 40        | <0.30   | <0.30   | <0.30   | <0.30      |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <0.34   | <0.34   | <0.34   | <0.34      |
| Trichloroethene                             | 5        | 0.5       | 4.9     | 3.1     | 44.0    | <0.32      |
| Trichlorofluoromethane                      | 3490     | 698       | <0.42   | <0.42   | <0.42   | <0.42      |
| 1,2,3-Trichloropropane                      | 60       | 12        | <0.56   | <0.56   | <0.56   | <0.56      |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <0.45   | <0.45   | <0.45   | <0.45      |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <0.36   | <0.36   | <0.36   | <0.36      |
| Vinyl chloride                              | 0.2      | 0.02      | 0.86 J  | 0.52 J  | 8.0     | <0.17      |
| Xylene (Total)                              | 2000     | 400       | <1.0    | <1.0    | <1.0    | <1.0       |
| m&p-Xylene                                  | --       | --        | <0.70   | <0.70   | <0.70   | <0.70      |
| o-Xylene                                    | --       | --        | <0.35   | <0.35   | <0.35   | <0.35      |
| <b>Methane, Ethane, Ethene GCV (ug/L)</b>   |          |           |         |         |         |            |
| Ethane                                      | --       | --        | <0.39   | <0.39   | 0.72 J  | NA         |
| Ethene                                      | --       | --        | <0.25   | <0.25   | 0.98 J  | NA         |
| Methane                                     | --       | --        | <0.58   | <0.58   | 3.1     | NA         |







| Analyte                                     | NR140 ES | NR140 PAL | PZ-3    | PZ-MW1A | PZ-MW1B | PZ-MW1C |
|---|----------|-----------|---------|---------|---------|---------|
|   |          |           | 12/2/21 | 12/2/21 | 12/2/21 | 12/2/21 |
| <b>300.0 IC Anions (mg/L)</b>               |          |           |         |         |         |         |
| Chloride                                    | --       | --        | 26.0    | 102     | 72.3    | 109     |
| <b>353.2 Nitrogen, NO2/NO3 pres. (mg/L)</b> |          |           |         |         |         |         |
| Nitrogen, NO2 plus NO3                      | 10       | 2         | <0.059  | <0.059  | <0.059  | <0.059  |
| <b>4500S2F Sulfide, Iodometric (mg/L)</b>   |          |           |         |         |         |         |
| Sulfide                                     | --       | --        | <1.2    | <1.2    | <1.2    | <1.2    |
| <b>8260 MSV (ug/L)</b>                      |          |           |         |         |         |         |
| Benzene                                     | 5        | 0.5       | <3.0    | <0.30   | 0.33 J  | <14.8   |
| Bromobenzene                                | --       | --        | <3.6    | <0.36   | <0.36   | <18.0   |
| Bromochloromethane                          | --       | --        | <3.6    | <0.36   | <0.36   | <17.9   |
| Bromodichloromethane                        | 0.6      | 0.06      | <4.2    | <0.42   | <0.42   | <20.8   |
| Bromoform                                   | 4.4      | 0.44      | <38.0   | <3.8    | <3.8    | <190    |
| Bromomethane                                | 10       | 1         | <11.9   | <1.2    | <1.2    | <59.6   |
| n-Butylbenzene                              | --       | --        | <8.6    | <0.86   | <0.86   | <42.9   |
| sec-Butylbenzene                            | --       | --        | <4.2    | <0.42   | <0.42   | <21.2   |
| tert-Butylbenzene                           | --       | --        | <5.9    | <0.59   | <0.59   | <29.3   |
| Carbon tetrachloride                        | 5        | 0.5       | <3.7    | <0.37   | <0.37   | <18.5   |
| Chlorobenzene                               | 100      | 20        | <8.6    | <0.86   | <0.86   | <42.8   |
| Chloroethane                                | 400      | 80        | <13.8   | <1.4    | <1.4    | <69.0   |
| Chloroform                                  | 6        | 0.6       | <11.8   | <1.2    | <1.2    | <59.1   |
| Chloromethane                               | 30       | 3         | <16.4   | <1.6    | <1.6    | <81.8   |
| 2-Chlorotoluene                             | --       | --        | <8.9    | <0.89   | <0.89   | <44.5   |
| 4-Chlorotoluene                             | --       | --        | <8.9    | <0.89   | <0.89   | <44.7   |
| 1,2-Dibromo-3-chloropropane                 | 0.2      | 0.02      | <23.7   | <2.4    | <2.4    | <118    |
| Dibromochloromethane                        | 60       | 6         | <26.4   | <2.6    | <2.6    | <132    |
| 1,2-Dibromoethane (EDB)                     | 0.05     | 0.005     | <3.1    | <0.31   | <0.31   | <15.5   |
| Dibromomethane                              | --       | --        | <9.9    | <0.99   | <0.99   | <49.5   |
| 1,2-Dichlorobenzene                         | 600      | 60        | <3.3    | <0.33   | <0.33   | <16.3   |
| 1,3-Dichlorobenzene                         | 600      | 120       | <3.5    | <0.35   | <0.35   | <17.6   |
| 1,4-Dichlorobenzene                         | 75       | 15        | <8.9    | <0.89   | <0.89   | <44.6   |
| Dichlorodifluoromethane                     | 1000     | 200       | <4.6    | <0.46   | <0.46   | <22.8   |
| 1,1-Dichloroethane                          | 850      | 85        | 1010    | 108     | 191     | 2400    |
| 1,2-Dichloroethane                          | 5        | 0.5       | <2.9    | <0.29   | <0.29   | <14.6   |
| 1,1-Dichloroethene                          | 7        | 0.7       | 30.3    | 9.1     | 8.4     | <29.1   |
| cis-1,2-Dichloroethene                      | 70       | 7         | 55.1    | 35.3    | 38.8    | <23.6   |
| trans-1,2-Dichloroethene                    | 100      | 20        | <5.3    | <0.53   | <0.53   | <26.4   |
| 1,2-Dichloropropane                         | 5        | 0.5       | <4.5    | <0.45   | <0.45   | <22.4   |
| 1,3-Dichloropropane                         | --       | --        | <3.0    | <0.30   | <0.30   | <15.2   |
| 2,2-Dichloropropane                         | --       | --        | <41.8   | <4.2    | <4.2    | <209    |
| 1,1-Dichloropropene                         | --       | --        | <4.1    | <0.41   | <0.41   | <20.5   |
| cis-1,3-Dichloropropene                     | 0.4      | 0.04      | <3.6    | <0.36   | <0.36   | <17.9   |
| trans-1,3-Dichloropropene                   | 0.4      | 0.04      | <34.6   | <3.5    | <3.5    | <173    |
| Diisopropyl ether                           | --       | --        | <11.0   | <1.1    | <1.1    | <55.0   |
| Ethylbenzene                                | 700      | 140       | <3.3    | <0.33   | <0.33   | <16.3   |
| Hexachloro-1,3-butadiene                    | --       | --        | <27.4   | <2.7    | <2.7    | <137    |
| Isopropylbenzene (Cumene)                   | --       | --        | <10.0   | <1.0    | <1.0    | <50.0   |
| p-Isopropyltoluene                          | --       | --        | <10.4   | <1.0    | <1.0    | <52.2   |
| Methylene Chloride                          | 5        | 0.5       | <3.2    | <0.32   | <0.32   | <16.0   |
| Methyl-tert-butyl ether                     | 60       | 12        | <11.3   | <1.1    | <1.1    | <56.5   |
| Naphthalene                                 | 100      | 10        | <11.3   | <1.1    | <1.1    | <56.5   |
| n-Propylbenzene                             | --       | --        | <3.5    | <0.35   | <0.35   | <17.3   |
| Styrene                                     | 100      | 10        | <3.6    | <0.36   | <0.36   | <17.8   |
| 1,1,1,2-Tetrachloroethane                   | 70       | 7         | <3.6    | <0.36   | <0.36   | <17.8   |
| 1,1,2,2-Tetrachloroethane                   | 0.2      | 0.02      | <3.8    | <0.38   | <0.38   | <18.9   |
| Tetrachloroethene                           | 5        | 0.5       | <4.1    | <0.41   | <0.41   | <20.4   |
| Toluene                                     | 800      | 160       | <2.9    | <0.29   | <0.29   | <14.4   |
| 1,2,3-Trichlorobenzene                      | --       | --        | <10.2   | <1.0    | <1.0    | <50.9   |
| 1,2,4-Trichlorobenzene                      | 70       | 14        | <9.5    | <0.95   | <0.95   | <47.5   |
| 1,1,1-Trichloroethane                       | 200      | 40        | <3.0    | <0.30   | <0.30   | <15.1   |
| 1,1,2-Trichloroethane                       | 5        | 0.5       | <3.4    | <0.34   | <0.34   | <17.2   |
| Trichloroethene                             | 5        | 0.5       | 13.7    | 2.8     | 3.1     | 31.6 J  |
| Trichlorofluoromethane                      | 3490     | 698       | <4.2    | <0.42   | <0.42   | <20.9   |
| 1,2,3-Trichloropropane                      | 60       | 12        | <5.6    | <0.56   | <0.56   | <27.8   |
| 1,2,4-Trimethylbenzene                      | 480      | 96        | <4.5    | <0.45   | <0.45   | <22.4   |
| 1,3,5-Trimethylbenzene                      | 480      | 96        | <3.6    | <0.36   | <0.36   | <17.9   |
| Vinyl chloride                              | 0.2      | 0.02      | <1.7    | <0.17   | <0.17   | <8.7    |
| Xylene (Total)                              | 2000     | 400       | <10.5   | <1.0    | <1.0    | <52.4   |
| m&p-Xylene                                  | --       | --        | <7.0    | <0.70   | <0.70   | <35.0   |
| o-Xylene                                    | --       | --        | <3.5    | <0.35   | <0.35   | <17.4   |