

## **Appendix A**

### **Logan Wash Mine 2024 Analytical Data Summary for Monitored Water Sources**

| LW-001 2024 Data vs Historic Data Summary                   |              |       |                    |        |           |           |                |                |           |                |                |                 |         |       |         |
|-------------------------------------------------------------|--------------|-------|--------------------|--------|-----------|-----------|----------------|----------------|-----------|----------------|----------------|-----------------|---------|-------|---------|
| Analyte                                                     | Result Units | Count | Summary Statistics |        |           | Date      |                |                | Date      |                |                | TVS Standards   |         |       |         |
|                                                             |              | (n)   | Min                | Max    | Avg       | 10/8/2024 |                |                | 5/15/2024 |                |                | 2024 Exceedance |         |       |         |
|                                                             |              |       |                    |        |           | Value     | Below Avg. Min | Above Avg. Max | Value     | Below Avg. Min | Above Avg. Max | Acute           | Chronic | Acute | Chronic |
| 1,1,1-Trichloroethane                                       | ug/L         | 20    | 0.149              | 5      | 0.5565263 | 0.149     | NO             | NO             | 0.149     | NO             | NO             |                 |         |       |         |
| 1,1,2,2-Tetrachloroethane                                   | ug/L         | 20    | 0.13               | 5      | 0.4756316 | 0.133     | NO             | NO             | 0.133     | NO             | NO             |                 |         |       |         |
| 1,1,2-Trichloroethane                                       | ug/L         | 20    | 0.158              | 5      | 0.5948947 | 0.158     | NO             | NO             | 0.158     | NO             | NO             |                 |         |       |         |
| 1,1-Dichloroethane                                          | ug/L         | 20    | 0.1                | 5      | 0.5112105 | 0.1       | NO             | NO             | 0.1       | NO             | NO             |                 |         |       |         |
| 1,1-Dichloroethene                                          | ug/L         | 20    | 0.188              | 5      | 0.6093684 | 0.188     | NO             | NO             | 0.188     | NO             | NO             |                 |         |       |         |
| 1,2,4-Trichlorobenzene                                      | ug/L         | 20    | 0.0698             | 10     | 0.9771316 | 0.0719    | NO             | NO             | 0.0698    | NO             | NO             |                 |         |       |         |
| 1,2-Dichlorobenzene                                         | ug/L         | 18    | 0.0713             | 10     | 1.9850294 | 0.0734    | NO             | NO             | 0.0713    | NO             | NO             |                 |         |       |         |
| 1,2-Dichloroethane                                          | ug/L         | 20    | 0.0819             | 5      | 0.5381105 | 0.0819    | NO             | NO             | 0.0819    | NO             | NO             |                 |         |       |         |
| 1,2-Dichloroethane-d4                                       | %            | 10    | 74                 | 124    | 103.74    | 106       | NO             | NO             | 98.5      | NO             | NO             |                 |         |       |         |
| 1,2-Dichloropropane                                         | ug/L         | 20    | 0.149              | 5      | 0.5675263 | 0.149     | NO             | NO             | 0.149     | NO             | NO             |                 |         |       |         |
| 1,3-Dichlorobenzene                                         | ug/L         | 20    | 0.132              | 10     | 1.0271053 | 0.136     | NO             | NO             | 0.132     | NO             | NO             |                 |         |       |         |
| 1,4-Dichlorobenzene                                         | ug/L         | 20    | 0.0942             | 10     | 1.0148105 | 0.097     | NO             | NO             | 0.0942    | NO             | NO             |                 |         |       |         |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether) | ug/L         | 17    | 0.21               | 10     | 0.9388125 | 0.216     | NO             | NO             | 0.21      | NO             | NO             |                 |         |       |         |
| 2,4,5-Trichlorophenol                                       | ug/L         | 20    | 0.109              | 10     | 1.255     | 0.112     | NO             | NO             | 0.109     | NO             | NO             |                 |         |       |         |
| 2,4,6-Tribromophenol                                        | %            | 10    | 35.5               | 87.9   | 62.8      | 54.9      | NO             | NO             | 77        | NO             | NO             |                 |         |       |         |
| 2,4,6-Trichlorophenol                                       | ug/L         | 20    | 0.1                | 10     | 1.3622105 | 0.103     | NO             | NO             | 0.1       | NO             | NO             |                 |         |       |         |
| 2,4-Dichlorophenol                                          | ug/L         | 20    | 0.102              | 10     | 1.2437368 | 0.105     | NO             | NO             | 0.102     | NO             | NO             |                 |         |       |         |
| 2,4-Dimethylphenol                                          | ug/L         | 20    | 0.0636             | 10     | 1.9001105 | 0.0655    | NO             | NO             | 0.0636    | NO             | NO             |                 |         |       |         |
| 2,4-Dinitrophenol                                           | ug/L         | 20    | 3.25               | 50     | 8.6984211 | 6.11      | NO             | NO             | 5.93      | NO             | NO             |                 |         |       |         |
| 2,4-Dinitrotoluene                                          | ug/L         | 20    | 0.0983             | 10     | 1.8176895 | 0.101     | NO             | NO             | 0.0983    | NO             | NO             |                 |         |       |         |
| 2,6-Dinitrotoluene                                          | ug/L         | 20    | 0.25               | 10     | 1.3558421 | 0.258     | NO             | NO             | 0.25      | NO             | NO             |                 |         |       |         |
| 2-Butanone (Methyl ethyl ketone) (MEK)                      | ug/L         | 19    | 1.1                | 10     | 2.74      | 1.19      | NO             | NO             | 1.19      | NO             | NO             |                 |         |       |         |
| 2-Chloronaphthalene                                         | ug/L         | 20    | 0.0648             | 2      | 0.3290895 | 0.0667    | NO             | NO             | 0.0648    | NO             | NO             |                 |         |       |         |
| 2-Chlorophenol                                              | ug/L         | 20    | 0.133              | 10     | 1.3376316 | 0.137     | NO             | NO             | 0.133     | NO             | NO             |                 |         |       |         |
| 2-Fluorobiphenyl                                            | %            | 11    | 49.3               | 74.6   | 64.045455 | 61        | NO             | NO             | 70.2      | NO             | NO             |                 |         |       |         |
| 2-Fluorophenol                                              | %            | 10    | 17.9               | 67     | 36.06     | 30.2      | NO             | NO             | 37.4      | NO             | NO             |                 |         |       |         |
| 2-Hexanone                                                  | ug/L         | 20    | 0.57               | 10     | 2.5996316 | 0.787     | NO             | NO             | 0.787     | NO             | NO             |                 |         |       |         |
| 2-Methylnaphthalene                                         | ug/L         | 20    | 0.117              | 2      | 0.3607368 | 0.121     | NO             | NO             | 0.117     | NO             | NO             |                 |         |       |         |
| 2-Methylphenol                                              | ug/L         | 20    | 0.0929             | 10     | 1.3649    | 0.0957    | NO             | NO             | 0.0929    | NO             | NO             |                 |         |       |         |
| 2-Nitroaniline                                              | ug/L         | 20    | 0.102              | 50     | 4.2380526 | 0.105     | NO             | NO             | 0.102     | NO             | NO             |                 |         |       |         |
| 2-Nitrophenol                                               | ug/L         | 20    | 0.117              | 10     | 1.2849474 | 0.121     | NO             | NO             | 0.117     | NO             | NO             |                 |         |       |         |
| 3&4-Methylphenol                                            | ug/L         | 19    | 0.168              | 10     | 0.8704444 | 0.173     | NO             | NO             | 0.168     | NO             | NO             |                 |         |       |         |
| 3,3'-Dichlorobenzidine                                      | ug/L         | 20    | 0.212              | 10     | 1.9824211 | 0.218     | NO             | NO             | 0.212     | NO             | NO             |                 |         |       |         |
| 3-Nitroaniline                                              | ug/L         | 20    | 0.0869             | 50     | 3.7119895 | 0.0895    | NO             | NO             | 0.0869    | NO             | NO             |                 |         |       |         |
| 4,6-Dinitro-2-methylphenol                                  | ug/L         | 20    | 1.12               | 50     | 5.4510526 | 1.15      | NO             | NO             | 1.12      | NO             | NO             |                 |         |       |         |
| 4-Bromophenyl phenyl ether                                  | ug/L         | 20    | 0.0877             | 10     | 1.2802211 | 0.0903    | NO             | NO             | 0.0877    | NO             | NO             |                 |         |       |         |
| 4-Chloro-3-methylphenol                                     | ug/L         | 20    | 0.131              | 10     | 1.3028947 | 0.135     | NO             | NO             | 0.131     | NO             | NO             |                 |         |       |         |
| 4-Chloroaniline                                             | ug/L         | 20    | 0.234              | 10     | 1.459     | 0.241     | NO             | NO             | 0.234     | NO             | NO             |                 |         |       |         |
| 4-Chlorophenyl phenyl ether                                 | ug/L         | 20    | 0.0926             | 10     | 1.2520842 | 0.0954    | NO             | NO             | 0.0926    | NO             | NO             |                 |         |       |         |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)        | ug/L         | 19    | 0.478              | 10     | 1.6595556 | 0.478     | NO             | NO             | 0.478     | NO             | NO             |                 |         |       |         |
| 4-Nitroaniline                                              | ug/L         | 20    | 0.091              | 50     | 3.7134579 | 0.0937    | NO             | NO             | 0.091     | NO             | NO             |                 |         |       |         |
| 4-Nitrophenol                                               | ug/L         | 20    | 0.143              | 50     | 4.3633684 | 0.147     | NO             | NO             | 0.143     | NO             | NO             |                 |         |       |         |
| a,a,a-Trifluorotoluene                                      | %            | 9     | 86.3               | 112    | 98.388889 | 86.3      | NO             | NO             | 89.7      | NO             | NO             |                 |         |       |         |
| Acenaphthene                                                | ug/L         | 20    | 0.0886             | 2      | 0.3405737 | 0.0913    | NO             | NO             | 0.0886    | NO             | NO             |                 |         |       |         |
| Acenaphthylene                                              | ug/L         | 20    | 0.0921             | 2      | 0.3308737 | 0.0949    | NO             | NO             | 0.0921    | NO             | NO             |                 |         |       |         |
| Acetone                                                     | ug/L         | 20    | 5                  | 50     | 12.984211 | 11.3      | NO             | NO             | 11.3      | NO             | NO             |                 |         |       |         |
| Alkalinity, bicarbonate                                     | ug/L         | 33    | 250                | 564000 | 146701.27 | 291000    | NO             | NO             | 237000    | NO             | NO             |                 |         |       |         |
| Alkalinity, carbonate                                       | ug/L         | 33    | 0.41               | 11800  | 3590.8566 | 8450      | NO             | NO             | 8450      | NO             | NO             |                 |         |       |         |
| Alkalinity, total (as CaCO3)                                | ug/L         | 32    | 250                | 564000 | 153024.75 | 291000    | NO             | NO             | 245000    | NO             | NO             |                 |         |       |         |
| Ammonia-N                                                   | ug/L         | 14    | 31.7               | 1410   | 191.18462 | 117       | NO             | NO             | 117       | NO             | NO             |                 |         |       |         |
| Anthracene                                                  | ug/L         | 20    | 0.0804             | 2      | 0.3170316 | 0.0828    | NO             | NO             | 0.0804    | NO             | NO             |                 |         |       |         |
| Arsenic                                                     | ug/L         | 60    | 0.013              | 18     | 3.920005  | 14.3      | NO             | NO             | 16.3      | NO             | NO             |                 |         |       |         |
| Arsenic (dissolved)                                         | ug/L         | 31    | 0.015              | 18.9   | 9.2840968 | 12.8      | NO             | NO             | 18.5      | NO             | NO             | 340             | 0.2     | NO    | YES     |
| Benzene                                                     | ug/L         | 35    | 0.0941             | 5      | 0.7658471 | 0.0941    | NO             | NO             | 0.0941    | NO             | NO             |                 |         |       |         |
| Benzo(a)anthracene                                          | ug/L         | 19    | 0.0975             | 1      | 0.22325   | 0.205     | NO             | NO             | 0.199     | NO             | NO             |                 |         |       |         |
| Benzo(a)pyrene                                              | ug/L         | 19    | 0.0381             | 1      | 0.22345   | 0.0392    | NO             | NO             | 0.0381    | NO             | NO             |                 |         |       |         |
| Benzo(b)fluoranthene                                        | ug/L         | 19    | 0.0896             | 1      | 0.1878444 | 0.134     | NO             | NO             | 0.13      | NO             | NO             |                 |         |       |         |
| Benzo(g,h,i)perylene                                        | ug/L         | 19    | 0.121              | 1      | 0.2006111 | 0.125     | NO             | NO             | 0.121     | NO             | NO             |                 |         |       |         |
| Benzo(k)fluoranthene                                        | ug/L         | 19    | 0.12               | 1      | 0.2760556 | 0.124     | NO             | NO             | 0.12      | NO             | NO             |                 |         |       |         |
| bis(2-Chloroethoxy)methane                                  | ug/L         | 20    | 0.116              | 10     | 1.2982105 | 0.119     | NO             | NO             | 0.116     | NO             | NO             |                 |         |       |         |
| bis(2-Chloroethyl)ether                                     | ug/L         | 20    | 0.137              | 10     | 1.7370526 | 0.141     | NO             | NO             | 0.137     | NO             | NO             |                 |         |       |         |
| bis(2-Ethylhexyl)phthalate (DEHP)                           | ug/L         | 19    | 0.709              | 7.1    | 1.3455    | 0.922     | NO             | NO             | 0.895     | NO             | NO             |                 |         |       |         |
| Boron                                                       | ug/L         | 37    | 3.7                | 6760   | 713.57838 | 5170      | NO             | NO             | 4530      | NO             | NO             | ---             | 0.75    | ---   | YES     |
| Bromide                                                     | ug/L         | 35    | 0.074              | 7060   | 1098.7095 | 6800      | NO             | NO             | 1760      | NO             | NO             |                 |         |       |         |
| Bromodichloromethane                                        | ug/L         | 20    | 0.136              | 5      | 0.5691579 | 0.136     | NO             | NO             | 0.136     | NO             | NO             |                 |         |       |         |
| Bromoform                                                   | ug/L         | 20    | 0.129              | 5      | 0.6075789 | 0.129     | NO             | NO             | 0.129     | NO             | NO             |                 |         |       |         |
| Bromomethane (Methyl bromide)                               | ug/L         | 19    | 0.605              | 5      | 1.0059444 | 0.605     | NO             | NO             | 0.605     | NO             | NO             |                 |         |       |         |
| Butyl benzylphthalate (BBP)                                 | ug/L         | 19    | 0.275              | 3      | 0.811     | 0.788     | NO             | NO             | 0.765     | NO             | NO             |                 |         |       |         |
| Cadmium                                                     | ug/L         | 5     | 0.16               | 1      | 0.39      | 0.16      | NO             | NO             | 0.16      | NO             | NO             |                 |         |       |         |
| Cadmium (dissolved)                                         | ug/L         | 25    | 0.00012            | 2.2    | 0.1947868 | 0.16      | NO             | NO             | 0.16      | NO             | NO             | 9.99            | 6.54    | NO    | NO      |
| Calcium                                                     | ug/L         | 8     | 75300              | 93900  | 84975     | 87500     | NO             | NO             | 87900     | NO             | NO             |                 |         |       |         |
| Carbazole                                                   | ug/L         | 20    | 0.111              | 10     | 1.2273684 | 0.114     | NO             | NO             | 0.111     | NO             | NO             |                 |         |       |         |
| Carbon disulfide                                            | ug/L         | 20    | 0.0962             | 5      | 0.5684947 | 0.0962    | NO             | NO             | 0.0962    | NO             | NO             |                 |         |       |         |
| Carbon tetrachloride                                        | ug/L         | 20    | 0.128              | 5      | 0.5739474 | 0.128     | NO             | NO             | 0.128     | NO             | NO             |                 |         |       |         |
| Chloride                                                    | ug/L         | 67    | 25.5               | 69500  | 11446.406 | 45600     | NO             | NO             | 36900     | NO             | NO             | ---             | 250     | ---   | YES     |
| Chlorobenzene                                               | ug/L         | 20    | 0.116              | 5      | 0.5268421 | 0.116     | NO             | NO             | 0.116     | NO             | NO             |                 |         |       |         |
| Chloroethane                                                | ug/L         | 20    | 0.192              | 5      | 0.8236316 | 0.192     | NO             | NO             | 0.192     | NO             | NO             |                 |         |       |         |
| Chloroform (Trichloromethane)                               | ug/L         | 19    | 0.111              | 5      | 0.5148333 | 0.111     | NO             | NO             | 0.111     | NO             | NO             |                 |         |       |         |
| Chloromethane (Methyl chloride)                             | ug/L         | 19    | 0.276              | 2.5    | 0.804     | 0.96      | NO             | NO             | 0.96      | NO             | NO             |                 |         |       |         |
| Chromium                                                    | ug/L         | 29    | 0.00037            | 5.6    | 0.854551  | 5.6       | NO             | NO             | 5.6       | NO             | NO             |                 |         |       |         |
| Chromium (dissolved)                                        | ug/L         | 25    | 0.00038            | 5.6    | 0.9275252 | 5.6       | NO             | NO             | 5.6       | NO             | NO             | 1773            | 231     | NO    | NO      |
| Chromium III (trivalent)                                    | ug/L         | 3     | 3                  | 3      | 3         | 3         | NO             | NO             | 3         | NO             | NO             |                 |         |       |         |
| Chromium VI (hexavalent)                                    | ug/L         | 3     | 3                  | 3      | 3         | 3         | NO             | NO             | 3         | NO             | NO             |                 |         |       |         |
| Chrysene                                                    | ug/L         | 20    | 0.13               | 2      | 0.3641053 | 0.134     | NO             | NO             | 0.13      | NO             | NO             |                 |         |       |         |
| cis-1,2-Dichloroethene                                      | ug/L         | 18    | 0.126              | 1      | 0.2325882 | 0.126     | NO             | NO             | 0.126     | NO             | NO             |                 |         |       |         |
| cis-1,3-Dichloropropene                                     | ug/L         | 20    | 0.111              | 5      | 0.5607895 | 0.111     | NO             | NO             | 0.111     | NO             | NO             |                 |         |       |         |
| Conductance, specific                                       | umhos/cm     | 19    | 1920               | 9150   | 3277.3684 | 3380      | NO             | NO             | 3010      | NO             | NO             |                 |         |       |         |
| Copper (dissolved)                                          | ug/L         | 57    | 0.0021             | 9.29   | 0.9442719 | 5.65      | NO             | NO             | 3.7       | NO             | NO             | 49.6            | 29.3    |       |         |

| LW-001 2024 Data vs Historic Data Summary  |              |       |                    |         |           |                   |                   |                   |                   |                   |                   |                                  |         |       |         |
|--------------------------------------------|--------------|-------|--------------------|---------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------------------|---------|-------|---------|
| Analyte                                    | Result Units | Count | Summary Statistics |         |           | Date<br>10/8/2024 |                   |                   | Date<br>5/15/2024 |                   |                   | TVS Standards<br>2024 Exceedance |         |       |         |
|                                            |              | (n)   | Min                | Max     | Avg       | Value             | Below<br>Avg. Min | Above<br>Avg. Max | Value             | Below<br>Avg. Min | Above<br>Avg. Max | Acute                            | Chronic | Acute | Chronic |
|                                            |              |       |                    |         |           |                   |                   |                   |                   |                   |                   |                                  |         |       |         |
| Di-n-butylphthalate (DBP)                  | ug/L         | 19    | 0.266              | 3       | 0.7078333 | 0.467             | NO                | NO                | 0.453             | NO                | NO                |                                  |         |       |         |
| Di-n-octyl phthalate (DnOP)                | ug/L         | 19    | 0.278              | 3       | 0.9162222 | 0.96              | NO                | NO                | 0.932             | NO                | NO                |                                  |         |       |         |
| Dibenz(a,h)anthracene                      | ug/L         | 20    | 0.0644             | 2       | 0.3078474 | 0.0663            | NO                | NO                | 0.0644            | NO                | NO                |                                  |         |       |         |
| Dibenzofuran                               | ug/L         | 20    | 0.097              | 10      | 1.2761    | 0.0999            | NO                | NO                | 0.097             | NO                | NO                |                                  |         |       |         |
| Dibromochloromethane                       | ug/L         | 20    | 0.14               | 5       | 0.5367895 | 0.14              | NO                | NO                | 0.14              | NO                | NO                |                                  |         |       |         |
| Diesel fuel                                | ug/L         | 22    | 0.25               | 2110    | 414.54318 | 474               | NO                | NO                | 339               | NO                | NO                |                                  |         |       |         |
| Diethyl phthalate                          | ug/L         | 20    | 0.282              | 10      | 1.0817368 | 0.296             | NO                | NO                | 0.287             | NO                | NO                |                                  |         |       |         |
| Dimethyl phthalate                         | ug/L         | 20    | 0.26               | 10      | 1.0152105 | 0.268             | NO                | NO                | 0.26              | NO                | NO                |                                  |         |       |         |
| Ethylbenzene                               | ug/L         | 35    | 0.137              | 5       | 0.7512059 | 0.137             | NO                | NO                | 0.137             | NO                | NO                |                                  |         |       |         |
| Fluoranthene                               | ug/L         | 20    | 0.102              | 2       | 0.3417368 | 0.105             | NO                | NO                | 0.102             | NO                | NO                |                                  |         |       |         |
| Fluorene                                   | ug/L         | 20    | 0.0844             | 2       | 0.3515211 | 0.0869            | NO                | NO                | 0.0844            | NO                | NO                |                                  |         |       |         |
| Fluoride (dissolved)                       | ug/L         | 26    | 1.8                | 4150    | 1126.8038 | 2080              | NO                | NO                | 2220              | NO                | NO                |                                  |         |       |         |
| Gasoline                                   | ug/L         | 11    | 31.4               | 557     | 182.75    | 557               | NO                | NO                | 314               | NO                | NO                |                                  |         |       |         |
| Hardness                                   | ug/L         | 31    | 520                | 738000  | 298564.84 | 660000            | NO                | NO                | 688000            | NO                | NO                |                                  |         |       |         |
| Hexachlorobenzene                          | ug/L         | 20    | 0.0755             | 10      | 0.7739105 | 0.0778            | NO                | NO                | 0.0755            | NO                | NO                |                                  |         |       |         |
| Hexachlorobutadiene                        | ug/L         | 20    | 0.0968             | 10      | 1.2707526 | 0.0997            | NO                | NO                | 0.0968            | NO                | NO                |                                  |         |       |         |
| Hexachlorocyclopentadiene                  | ug/L         | 20    | 0.0598             | 10      | 2.0110632 | 0.0616            | NO                | NO                | 0.0598            | NO                | NO                |                                  |         |       |         |
| Hexachloroethane                           | ug/L         | 20    | 0.127              | 10      | 1.3225789 | 0.131             | NO                | NO                | 0.127             | NO                | NO                |                                  |         |       |         |
| Indeno(1,2,3-cd)pyrene                     | ug/L         | 19    | 0.279              | 1       | 0.3417222 | 0.287             | NO                | NO                | 0.279             | NO                | NO                |                                  |         |       |         |
| Iron                                       | ug/L         | 29    | 0.0197             | 244     | 25.046541 | 44.7              | NO                | NO                | 44.7              | NO                | NO                |                                  |         |       |         |
| Iron (dissolved)                           | ug/L         | 33    | 0.0114             | 894     | 51.300481 | 44.7              | NO                | NO                | 44.7              | NO                | NO                | ---                              | 300     | ---   | NO      |
| Isophorone                                 | ug/L         | 20    | 0.143              | 10      | 1.3006316 | 0.147             | NO                | NO                | 0.143             | NO                | NO                |                                  |         |       |         |
| Lead                                       | ug/L         | 5     | 0.12               | 0.513   | 0.3658    | 0.513             | NO                | NO                | 0.513             | NO                | NO                |                                  |         |       |         |
| Lead (dissolved)                           | ug/L         | 35    | 0.000034           | 2.6     | 0.1924711 | 0.513             | NO                | NO                | 0.513             | NO                | NO                | 281                              | 10.9    | NO    | NO      |
| Magnesium                                  | ug/L         | 8     | 88000              | 116000  | 102887.5  | 107000            | NO                | NO                | 114000            | NO                | NO                |                                  |         |       |         |
| Manganese (dissolved)                      | ug/L         | 25    | 0.00088            | 286     | 12.587991 | 0.982             | NO                | NO                | 0.982             | NO                | NO                | 4738                             | 2618    | NO    | NO      |
| Mercury                                    | ug/L         | 37    | 0.000033           | 0.2     | 0.0145739 | 0.1               | NO                | NO                | 0.1               | NO                | NO                |                                  |         |       |         |
| Methylene chloride                         | ug/L         | 20    | 0.43               | 5       | 1.1563158 | 0.43              | NO                | NO                | 0.43              | NO                | NO                |                                  |         |       |         |
| Molybdenum                                 | ug/L         | 3     | 181                | 241     | 219.66667 | 241               | NO                | NO                | 237               | NO                | NO                | ---                              | 150     | ---   | YES     |
| N-Nitrosodi-n-propylamine                  | ug/L         | 20    | 0.261              | 10      | 1.3631053 | 0.269             | NO                | NO                | 0.261             | NO                | NO                |                                  |         |       |         |
| N-Nitrosodiphenylamine                     | ug/L         | 20    | 0.304              | 10      | 2.6134737 | 2.44              | NO                | NO                | 2.37              | NO                | NO                |                                  |         |       |         |
| Naphthalene                                | ug/L         | 20    | 0.159              | 2       | 0.4731579 | 0.164             | NO                | NO                | 0.159             | NO                | NO                |                                  |         |       |         |
| Nickel                                     | ug/L         | 3     | 4.24               | 7.96    | 6.6133333 | 7.96              | NO                | NO                | 4.24              | NO                | NO                | 1513                             | 168     | NO    | NO      |
| Nitrate (as N)                             | ug/L         | 33    | 2.5                | 10300   | 1701.6697 | 9340              | NO                | NO                | 6180              | NO                | NO                |                                  |         |       |         |
| Nitrite (as N)                             | ug/L         | 33    | 0.024              | 794     | 84.487313 | 794               | NO                | NO                | 210               | NO                | NO                |                                  |         |       |         |
| Nitrobenzene                               | ug/L         | 20    | 0.297              | 20      | 1.9446316 | 0.306             | NO                | NO                | 0.297             | NO                | NO                |                                  |         |       |         |
| Nitrobenzene-D5                            | %            | 10    | 49.5               | 82.2    | 64.76     | 50                | NO                | NO                | 72.4              | NO                | NO                |                                  |         |       |         |
| o-Terphenyl                                | %            | 10    | 70.5               | 124     | 99.7      | 111               | NO                | NO                | 70.5              | NO                | NO                |                                  |         |       |         |
| Oil and grease                             | ug/L         | 21    | 4.6                | 5880    | 1200.645  | 1650              | NO                | NO                | 1320              | NO                | NO                |                                  |         |       |         |
| p-Bromofluorobenzene                       | %            | 10    | 87                 | 111     | 100.27    | 101               | NO                | NO                | 111               | NO                | NO                |                                  |         |       |         |
| p-Terphenyl-d14                            | %            | 9     | 46                 | 91.2    | 67        | 66.3              | NO                | NO                | 66.7              | NO                | NO                |                                  |         |       |         |
| Pentachlorophenol                          | ug/L         | 20    | 0.313              | 10      | 1.5752632 | 0.322             | NO                | NO                | 0.313             | NO                | NO                |                                  |         |       |         |
| pH                                         | s.u.         | 20    | 7.76               | 8.71    | 8.2395    | 8.32              | NO                | NO                | 8.32              | NO                | NO                |                                  |         |       |         |
| Phenanthrene                               | ug/L         | 20    | 0.112              | 2       | 0.3917368 | 0.115             | NO                | NO                | 0.112             | NO                | NO                |                                  |         |       |         |
| Phenol                                     | ug/L         | 20    | 0.334              | 10      | 3.5929474 | 4.46              | NO                | NO                | 4.33              | NO                | NO                |                                  |         |       |         |
| Phenol-d5                                  | %            | 10    | 14.7               | 69      | 26.77     | 19.2              | NO                | NO                | 28.7              | NO                | NO                |                                  |         |       |         |
| Phenolics (total)                          | ug/L         | 28    | 0.0042             | 1650    | 68.099222 | 54.3              | NO                | NO                | 8.3               | NO                | NO                |                                  |         |       |         |
| Phosphorus                                 | ug/L         | 33    | 0.044              | 270     | 28.884188 | 54.9              | NO                | NO                | 35                | NO                | NO                |                                  |         |       |         |
| Pyrene                                     | ug/L         | 20    | 0.107              | 2       | 0.354     | 0.11              | NO                | NO                | 0.107             | NO                | NO                |                                  |         |       |         |
| Selenium (dissolved)                       | ug/L         | 33    | 0.0037             | 22.2    | 3.508697  | 3.83              | NO                | NO                | 3.51              | NO                | NO                | 18.4                             | 4.6     | NO    | NO      |
| Silica                                     | ug/L         | 19    | 2490               | 17200   | 14535.789 | 15900             | NO                | NO                | 15600             | NO                | NO                |                                  |         |       |         |
| Silicon                                    | ug/L         | 20    | 1160               | 8300    | 7017      | 7440              | NO                | NO                | 7310              | NO                | NO                |                                  |         |       |         |
| Silver (dissolved)                         | ug/L         | 3     | 0.144              | 0.144   | 0.144     | 0.144             | NO                | NO                | 0.144             | NO                | NO                | 22                               | 3.5     | NO    | NO      |
| Styrene                                    | ug/L         | 20    | 0.118              | 5       | 0.5184737 | 0.118             | NO                | NO                | 0.118             | NO                | NO                |                                  |         |       |         |
| Sulfate                                    | ug/L         | 35    | 1100               | 1530000 | 701175.71 | 1410000           | NO                | NO                | 1260000           | NO                | NO                | ---                              | 250     | ---   | YES     |
| Sulfide                                    | ug/L         | 34    | 0.24               | 50      | 11.606667 | 25                | NO                | NO                | 25                | NO                | NO                |                                  |         |       |         |
| Tetrachloroethene                          | ug/L         | 20    | 0.3                | 5       | 0.6381053 | 0.3               | NO                | NO                | 0.3               | NO                | NO                |                                  |         |       |         |
| Toluene                                    | ug/L         | 35    | 0.278              | 5       | 0.8349412 | 0.278             | NO                | NO                | 0.278             | NO                | NO                |                                  |         |       |         |
| Toluene-D8                                 | %            | 10    | 94.7               | 115     | 105.57    | 102               | NO                | NO                | 115               | NO                | NO                |                                  |         |       |         |
| Total dissolved solids (TDS)               | ug/L         | 65    | 1700               | 2330000 | 586844.15 | 2290000           | NO                | NO                | 2200000           | NO                | NO                |                                  |         |       |         |
| Total organic carbon (TOC)                 | ug/L         | 31    | 4.8                | 51300   | 6272.0323 | 8290              | NO                | NO                | 7310              | NO                | NO                |                                  |         |       |         |
| Total suspended solids (TSS)               | ug/L         | 57    | 1.2                | 23600   | 888.18246 | 800               | NO                | NO                | 2500              | NO                | NO                |                                  |         |       |         |
| trans-1,2-Dichloroethene                   | ug/L         | 18    | 0.149              | 1       | 0.3007647 | 0.149             | NO                | NO                | 0.149             | NO                | NO                |                                  |         |       |         |
| trans-1,3-Dichloropropene                  | ug/L         | 20    | 0.118              | 5       | 0.5565789 | 0.118             | NO                | NO                | 0.118             | NO                | NO                |                                  |         |       |         |
| Trichloroethene                            | ug/L         | 20    | 0.19               | 5       | 0.5945263 | 0.19              | NO                | NO                | 0.19              | NO                | NO                |                                  |         |       |         |
| Uranium (dissolved)                        | ug/L         | 3     | 3.6                | 5.81    | 4.4233333 | 3.86              | NO                | NO                | 3.6               | NO                | NO                | 11070                            | 6915    | NO    | NO      |
| Vinyl chloride                             | ug/L         | 20    | 0.234              | 5       | 0.5904737 | 0.234             | NO                | NO                | 0.234             | NO                | NO                |                                  |         |       |         |
| Xylenes (total)                            | ug/L         | 19    | 0.174              | 3       | 0.8117778 | 0.174             | NO                | NO                | 0.174             | NO                | NO                |                                  |         |       |         |
| Zinc (dissolved)                           | ug/L         | 25    | 0.0063             | 84.3    | 10.799108 | 20.2              | NO                | NO                | 15.8              | NO                | NO                | 564                              | 428     | NO    | NO      |
| Conductivity, field                        | uS/cm        | 12    | 1738               | 30057   | 5270.9167 | 3311              | NO                | NO                | 3047              | NO                | NO                |                                  |         |       |         |
| Dissolved oxygen (DO), field               | mg/L         | 12    | 4.15               | 10.29   | 6.3716667 | 6.04              | NO                | NO                | 6.09              | NO                | NO                |                                  |         |       |         |
| Oxidation reduction potential (ORP), field | millivolts   | 12    | -58.8              | 308.2   | 56.5      | 109.7             | NO                | NO                | 110.6             | NO                | NO                |                                  |         |       |         |
| pH, field                                  | s.u.         | 12    | 7.04               | 8.74    | 8.04      | 8.11              | NO                | NO                | 8.4               | NO                | NO                |                                  |         |       |         |
| Temperature, ambient                       | Deg F        | 12    | 45                 | 70      | 60.833333 | 65                | NO                | NO                | 60                | NO                | NO                |                                  |         |       |         |
| Temperature, sample                        | Deg C        | 9     | 10.4               | 13      | 11.5      | 11.7              | NO                | NO                | 10.7              | NO                | NO                |                                  |         |       |         |
| Turbidity, field                           | NTU          | 12    | 0.01               | 63.58   | 6.7841667 | 0.01              | NO                | NO                | 1.59              | NO                | NO                |                                  |         |       |         |

Note: Water quality standards for the metals: cadmium, chromium III, lead, manganese, nickel, silver, uranium, and zinc were calculated using Table Value Standards in accordance with Colorado WQCD specifications; a hardness of 400 mg/L (a Roan Creek sample collected in 2002 showed a calculated hardness of 608 mg/L). Also note that samples were analyzed for dissolved chromium, not trivalent or hexavalent species; the standard was applied to dissolved chromium.

| LWCW-1A 2024 Data vs Historic Data Summary                  |              |       |                    |        |           |           |                |                |           |                |                |                 |         |       |         |
|-------------------------------------------------------------|--------------|-------|--------------------|--------|-----------|-----------|----------------|----------------|-----------|----------------|----------------|-----------------|---------|-------|---------|
| Analyte                                                     | Result Units | Count | Summary Statistics |        |           | Date      |                |                | Date      |                |                | TVS Standards   |         |       |         |
|                                                             |              | (n)   | Min                | Max    | Avg       | 10/8/2024 |                |                | 5/15/2024 |                |                | 2024 Exceedance |         |       |         |
|                                                             |              |       |                    |        |           | Value     | Below Avg. Min | Above Avg. Max | Value     | Below Avg. Min | Above Avg. Max | Acute           | Chronic | Acute | Chronic |
| 1,1,1-Trichloroethane                                       | ug/L         | 20    | 0.149              | 5      | 0.5565263 | 0.149     | NO             | NO             | 0.149     | NO             | NO             |                 |         |       |         |
| 1,1,2,2-Tetrachloroethane                                   | ug/L         | 20    | 0.13               | 5      | 0.4756316 | 0.133     | NO             | NO             | 0.133     | NO             | NO             |                 |         |       |         |
| 1,1,2-Trichloroethane                                       | ug/L         | 20    | 0.158              | 5      | 0.5948947 | 0.158     | NO             | NO             | 0.158     | NO             | NO             |                 |         |       |         |
| 1,1-Dichloroethane                                          | ug/L         | 20    | 0.1                | 5      | 0.5112105 | 0.1       | NO             | NO             | 0.1       | NO             | NO             |                 |         |       |         |
| 1,1-Dichloroethene                                          | ug/L         | 20    | 0.188              | 5      | 0.6093684 | 0.188     | NO             | NO             | 0.188     | NO             | NO             |                 |         |       |         |
| 1,2,4-Trichlorobenzene                                      | ug/L         | 20    | 0.0698             | 10     | 0.9785474 | 0.0698    | NO             | NO             | 0.0698    | NO             | NO             |                 |         |       |         |
| 1,2-Dichlorobenzene                                         | ug/L         | 18    | 0.0713             | 10     | 2.0002    | 0.0713    | NO             | NO             | 0.0713    | NO             | NO             |                 |         |       |         |
| 1,2-Dichloroethane                                          | ug/L         | 20    | 0.0819             | 5      | 0.5381105 | 0.0819    | NO             | NO             | 0.0819    | NO             | NO             |                 |         |       |         |
| 1,2-Dichloroethane-d4                                       | %            | 10    | 78                 | 120    | 104.96    | 102       | NO             | NO             | 106       | NO             | NO             |                 |         |       |         |
| 1,2-Dichloropropane                                         | ug/L         | 20    | 0.149              | 5      | 0.5675263 | 0.149     | NO             | NO             | 0.149     | NO             | NO             |                 |         |       |         |
| 1,3-Dichlorobenzene                                         | ug/L         | 20    | 0.132              | 10     | 1.0284737 | 0.132     | NO             | NO             | 0.132     | NO             | NO             |                 |         |       |         |
| 1,4-Dichlorobenzene                                         | ug/L         | 20    | 0.0942             | 10     | 1.0163474 | 0.0942    | NO             | NO             | 0.0942    | NO             | NO             |                 |         |       |         |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether) | ug/L         | 17    | 0.21               | 10     | 0.94125   | 0.21      | NO             | NO             | 0.21      | NO             | NO             |                 |         |       |         |
| 2,4,5-Trichlorophenol                                       | ug/L         | 20    | 0.109              | 10     | 1.2611053 | 0.109     | NO             | NO             | 0.109     | NO             | NO             |                 |         |       |         |
| 2,4,6-Tribromophenol                                        | %            | 10    | 26.9               | 78.6   | 52.45     | 49.1      | NO             | NO             | 74.2      | NO             | NO             |                 |         |       |         |
| 2,4,6-Trichlorophenol                                       | ug/L         | 20    | 0.1                | 10     | 1.3685789 | 0.1       | NO             | NO             | 0.1       | NO             | NO             |                 |         |       |         |
| 2,4-Dichlorophenol                                          | ug/L         | 20    | 0.102              | 10     | 1.2463158 | 0.102     | NO             | NO             | 0.102     | NO             | NO             |                 |         |       |         |
| 2,4-Dimethylphenol                                          | ug/L         | 20    | 0.0636             | 10     | 1.4028316 | 0.0636    | NO             | NO             | 0.0636    | NO             | NO             |                 |         |       |         |
| 2,4-Dinitrophenol                                           | ug/L         | 20    | 3.25               | 52     | 8.8605263 | 5.93      | NO             | NO             | 5.93      | NO             | NO             |                 |         |       |         |
| 2,4-Dinitrotoluene                                          | ug/L         | 20    | 0.0983             | 10     | 1.8296526 | 0.0983    | NO             | NO             | 0.0983    | NO             | NO             |                 |         |       |         |
| 2,6-Dinitrotoluene                                          | ug/L         | 20    | 0.25               | 10     | 1.3565789 | 0.25      | NO             | NO             | 0.25      | NO             | NO             |                 |         |       |         |
| 2-Butanone (Methyl ethyl ketone) (MEK)                      | ug/L         | 19    | 1.1                | 10     | 2.74      | 1.19      | NO             | NO             | 1.19      | NO             | NO             |                 |         |       |         |
| 2-Chloronaphthalene                                         | ug/L         | 20    | 0.0648             | 2.1    | 0.3360737 | 0.0648    | NO             | NO             | 0.0648    | NO             | NO             |                 |         |       |         |
| 2-Chlorophenol                                              | ug/L         | 20    | 0.133              | 10     | 1.3438421 | 0.133     | NO             | NO             | 0.133     | NO             | NO             |                 |         |       |         |
| 2-Fluorobiphenyl                                            | %            | 11    | 38.4               | 78     | 58.009091 | 58.6      | NO             | NO             | 60        | NO             | NO             |                 |         |       |         |
| 2-Fluorophenol                                              | %            | 10    | 17.5               | 54     | 30.05     | 26.3      | NO             | NO             | 31.2      | NO             | NO             |                 |         |       |         |
| 2-Hexanone                                                  | ug/L         | 20    | 0.57               | 10     | 2.5996316 | 0.787     | NO             | NO             | 0.787     | NO             | NO             |                 |         |       |         |
| 2-Methylnaphthalene                                         | ug/L         | 20    | 0.117              | 2.1    | 0.3501053 | 0.117     | NO             | NO             | 0.117     | NO             | NO             |                 |         |       |         |
| 2-Methylphenol                                              | ug/L         | 20    | 0.0929             | 10     | 1.3150632 | 0.0929    | NO             | NO             | 0.0929    | NO             | NO             |                 |         |       |         |
| 2-Nitroaniline                                              | ug/L         | 20    | 0.102              | 52     | 4.3673684 | 0.102     | NO             | NO             | 0.102     | NO             | NO             |                 |         |       |         |
| 2-Nitrophenol                                               | ug/L         | 20    | 0.117              | 10     | 1.2913684 | 0.117     | NO             | NO             | 0.117     | NO             | NO             |                 |         |       |         |
| 3&4-Methylphenol                                            | ug/L         | 19    | 0.168              | 10     | 0.8646111 | 0.168     | NO             | NO             | 0.168     | NO             | NO             |                 |         |       |         |
| 3,3'-Dichlorobenzidine                                      | ug/L         | 20    | 0.212              | 10     | 1.9905263 | 0.212     | NO             | NO             | 0.212     | NO             | NO             |                 |         |       |         |
| 3-Nitroaniline                                              | ug/L         | 20    | 0.0869             | 52     | 3.8289053 | 0.0869    | NO             | NO             | 0.0869    | NO             | NO             |                 |         |       |         |
| 4,6-Dinitro-2-methylphenol                                  | ug/L         | 20    | 1.12               | 52     | 5.6184211 | 1.12      | NO             | NO             | 1.12      | NO             | NO             |                 |         |       |         |
| 4-Bromophenyl phenyl ether                                  | ug/L         | 20    | 0.0877             | 10     | 1.2815053 | 0.0877    | NO             | NO             | 0.0877    | NO             | NO             |                 |         |       |         |
| 4-Chloro-3-methylphenol                                     | ug/L         | 20    | 0.131              | 10     | 1.3037895 | 0.131     | NO             | NO             | 0.131     | NO             | NO             |                 |         |       |         |
| 4-Chloroaniline                                             | ug/L         | 20    | 0.234              | 10     | 1.4654737 | 0.234     | NO             | NO             | 0.234     | NO             | NO             |                 |         |       |         |
| 4-Chlorophenyl phenyl ether                                 | ug/L         | 20    | 0.0926             | 10     | 1.2547789 | 0.0926    | NO             | NO             | 0.0926    | NO             | NO             |                 |         |       |         |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)        | ug/L         | 19    | 0.478              | 10     | 1.6595556 | 0.478     | NO             | NO             | 0.478     | NO             | NO             |                 |         |       |         |
| 4-Nitroaniline                                              | ug/L         | 20    | 0.091              | 52     | 3.8305263 | 0.091     | NO             | NO             | 0.091     | NO             | NO             |                 |         |       |         |
| 4-Nitrophenol                                               | ug/L         | 20    | 0.143              | 52     | 4.4926316 | 0.143     | NO             | NO             | 0.143     | NO             | NO             |                 |         |       |         |
| a,a,a-Trifluorotoluene                                      | %            | 9     | 86.3               | 113    | 100.45556 | 86.3      | NO             | NO             | 94.8      | NO             | NO             |                 |         |       |         |
| Acenaphthene                                                | ug/L         | 20    | 0.0886             | 2.1    | 0.3473789 | 0.0886    | NO             | NO             | 0.0886    | NO             | NO             |                 |         |       |         |
| Acenaphthylene                                              | ug/L         | 20    | 0.0921             | 2.1    | 0.3377789 | 0.0921    | NO             | NO             | 0.0921    | NO             | NO             |                 |         |       |         |
| Acetone                                                     | ug/L         | 20    | 5                  | 50     | 12.984211 | 11.3      | NO             | NO             | 11.3      | NO             | NO             |                 |         |       |         |
| Alkalinity, bicarbonate                                     | ug/L         | 31    | 360                | 432000 | 224686.39 | 352000    | NO             | NO             | 353000    | NO             | NO             |                 |         |       |         |
| Alkalinity, carbonate                                       | ug/L         | 31    | 0.41               | 20000  | 3968.1176 | 8450      | NO             | NO             | 8450      | NO             | NO             |                 |         |       |         |
| Alkalinity, total (as CaCO3)                                | ug/L         | 29    | 360                | 432000 | 240149.97 | 352000    | NO             | NO             | 353000    | NO             | NO             |                 |         |       |         |
| Ammonia-N                                                   | ug/L         | 14    | 31.7               | 117    | 91.723077 | 117       | NO             | NO             | 117       | NO             | NO             |                 |         |       |         |
| Anthracene                                                  | ug/L         | 20    | 0.0804             | 2.1    | 0.3234316 | 0.0804    | NO             | NO             | 0.0804    | NO             | NO             |                 |         |       |         |
| Arsenic                                                     | ug/L         | 30    | 0.012              | 384    | 19.476717 | 11.4      | NO             | NO             | 15.4      | NO             | NO             |                 |         |       |         |
| Arsenic (dissolved)                                         | ug/L         | 27    | 0.011              | 16.7   | 9.5490222 | 10.6      | NO             | NO             | 16.7      | NO             | NO             | 340             | 0.2     | NO    | YES     |
| Benzene                                                     | ug/L         | 36    | 0.0941             | 5      | 0.8101114 | 0.0941    | NO             | NO             | 0.0941    | NO             | NO             |                 |         |       |         |
| Benzo(a)anthracene                                          | ug/L         | 19    | 0.0975             | 1      | 0.2238611 | 0.199     | NO             | NO             | 0.199     | NO             | NO             |                 |         |       |         |
| Benzo(a)pyrene                                              | ug/L         | 19    | 0.0381             | 1      | 0.2254444 | 0.0381    | NO             | NO             | 0.0381    | NO             | NO             |                 |         |       |         |
| Benzo(b)fluoranthene                                        | ug/L         | 19    | 0.0896             | 1      | 0.1891333 | 0.13      | NO             | NO             | 0.13      | NO             | NO             |                 |         |       |         |
| Benzo(g,h,i)perylene                                        | ug/L         | 19    | 0.121              | 1      | 0.2016667 | 0.121     | NO             | NO             | 0.121     | NO             | NO             |                 |         |       |         |
| Benzo(k)fluoranthene                                        | ug/L         | 19    | 0.12               | 1      | 0.278     | 0.12      | NO             | NO             | 0.12      | NO             | NO             |                 |         |       |         |
| bis(2-Chloroethoxy)methane                                  | ug/L         | 20    | 0.116              | 10     | 1.3046842 | 0.116     | NO             | NO             | 0.116     | NO             | NO             |                 |         |       |         |
| bis(2-Chloroethyl)ether                                     | ug/L         | 20    | 0.137              | 10     | 1.7442105 | 0.137     | NO             | NO             | 0.137     | NO             | NO             |                 |         |       |         |
| bis(2-Ethylhexyl)phthalate (DEHP)                           | ug/L         | 19    | 0.709              | 4.2    | 1.0583889 | 0.895     | NO             | NO             | 0.895     | NO             | NO             |                 |         |       |         |
| Boron                                                       | ug/L         | 13    | 2.33               | 12000  | 3453.1162 | 7750      | NO             | NO             | 8220      | NO             | NO             | ---             | 0.75    | ---   | YES     |
| Bromide                                                     | ug/L         | 29    | 0.48               | 35300  | 3004.4814 | 6800      | NO             | NO             | 3530      | NO             | NO             |                 |         |       |         |
| Bromodichloromethane                                        | ug/L         | 20    | 0.136              | 5      | 0.5691579 | 0.136     | NO             | NO             | 0.136     | NO             | NO             |                 |         |       |         |
| Bromoform                                                   | ug/L         | 20    | 0.129              | 5      | 0.6075789 | 0.129     | NO             | NO             | 0.129     | NO             | NO             |                 |         |       |         |
| Bromomethane (Methyl bromide)                               | ug/L         | 19    | 0.605              | 5      | 1.0059444 | 0.605     | NO             | NO             | 0.605     | NO             | NO             |                 |         |       |         |
| Butyl benzylphthalate (BBP)                                 | ug/L         | 19    | 0.275              | 3      | 0.8165    | 0.765     | NO             | NO             | 0.765     | NO             | NO             |                 |         |       |         |
| Cadmium                                                     | ug/L         | 12    | 0.00051            | 1.5    | 0.1725067 | 0.16      | NO             | NO             | 0.16      | NO             | NO             |                 |         |       |         |
| Cadmium (dissolved)                                         | ug/L         | 19    | 0.000098           | 1      | 0.1584567 | 0.16      | NO             | NO             | 0.16      | NO             | NO             | 9.99            | 6.54    | NO    | NO      |
| Calcium                                                     | ug/L         | 8     | 86200              | 150000 | 124087.5  | 98500     | NO             | NO             | 86200     | NO             | NO             |                 |         |       |         |
| Carbazole                                                   | ug/L         | 20    | 0.111              | 10     | 1.2216316 | 0.111     | NO             | NO             | 0.111     | NO             | NO             |                 |         |       |         |
| Carbon disulfide                                            | ug/L         | 20    | 0.0962             | 5      | 0.5205684 | 0.0962    | NO             | NO             | 0.0962    | NO             | NO             |                 |         |       |         |
| Carbon tetrachloride                                        | ug/L         | 20    | 0.128              | 5      | 0.5739474 | 0.128     | NO             | NO             | 0.128     | NO             | NO             |                 |         |       |         |
| Chloride                                                    | ug/L         | 32    | 16                 | 28100  | 12272.022 | 15600     | NO             | NO             | 16900     | NO             | NO             | ---             | 250     | ---   | YES     |
| Chlorobenzene                                               | ug/L         | 20    | 0.116              | 5      | 0.5268421 | 0.116     | NO             | NO             | 0.116     | NO             | NO             |                 |         |       |         |
| Chloroethane                                                | ug/L         | 20    | 0.192              | 5      | 0.8236316 | 0.192     | NO             | NO             | 0.192     | NO             | NO             |                 |         |       |         |
| Chloroform (Trichloromethane)                               | ug/L         | 19    | 0.111              | 5      | 0.5148333 | 0.111     | NO             | NO             | 0.111     | NO             | NO             |                 |         |       |         |
| Chloromethane (Methyl chloride)                             | ug/L         | 19    | 0.276              | 2.5    | 0.804     | 0.96      | NO             | NO             | 0.96      | NO             | NO             |                 |         |       |         |
| Chromium                                                    | ug/L         | 23    | 0.0014             | 118    | 7.6450304 | 5.6       | NO             | NO             | 5.6       | NO             | NO             |                 |         |       |         |
| Chromium (dissolved)                                        | ug/L         | 19    | 0.0011             | 5.6    | 2.3928842 | 5.6       | NO             | NO             | 5.6       | NO             | NO             | 1773            | 231     | NO    | NO      |
| Chromium III (trivalent)                                    | ug/L         | 3     | 3                  | 3      | 3         | 3         | NO             | NO             | 3         | NO             | NO             |                 |         |       |         |
| Chromium VI (hexavalent)                                    | ug/L         | 3     | 3                  | 3      | 3         | 3         | NO             | NO             | 3         | NO             | NO             |                 |         |       |         |
| Chrysene                                                    | ug/L         | 20    | 0.13               | 2.1    | 0.3711053 | 0.13      | NO             | NO             | 0.13      | NO             | NO             |                 |         |       |         |
| cis-1,2-Dichloroethene                                      | ug/L         | 18    | 0.126              | 1      | 0.2325882 | 0.126     | NO             | NO             | 0.126     | NO             | NO             |                 |         |       |         |
| cis-1,3-Dichloropropene                                     | ug/L         | 20    | 0.111              | 5      | 0.5607895 | 0.111     | NO             | NO             | 0.111     | NO             | NO             |                 |         |       |         |
| Conductance, specific                                       | umhos/cm     | 19    | 2940               | 38300  | 5571.5789 | 3120      | NO             | NO             | 3030      | NO             | NO             |                 |         |       |         |
| Copper (dissolved)                                          | ug/L         | 19    | 0.0055             | 18.3   | 5.1676947 | 8.26      |                |                |           |                |                |                 |         |       |         |

| LWCW-1A 2024 Data vs Historic Data Summary |              |       |                    |         |           |                |            |            |                |            |            |                               |         |       |         |
|--------------------------------------------|--------------|-------|--------------------|---------|-----------|----------------|------------|------------|----------------|------------|------------|-------------------------------|---------|-------|---------|
| Analyte                                    | Result Units | Count | Summary Statistics |         |           | Date 10/8/2024 |            |            | Date 5/15/2024 |            |            | TVS Standards 2024 Exceedance |         |       |         |
|                                            |              | (n)   | Min                | Max     | Avg       | Value          | Below Avg. | Above Avg. | Value          | Below Avg. | Above Avg. | Acute                         | Chronic | Acute | Chronic |
|                                            |              |       |                    |         |           |                |            |            |                |            |            |                               |         |       |         |
| Di-n-butylphthalate (DBP)                  | ug/L         | 19    | 0.266              | 3       | 0.6711111 | 0.453          | NO         | NO         | 0.453          | NO         | NO         |                               |         |       |         |
| Di-n-octyl phthalate (DnOP)                | ug/L         | 19    | 0.278              | 3       | 0.9112222 | 0.932          | NO         | NO         | 1.05           | NO         | NO         |                               |         |       |         |
| Dibenz(a,h)anthracene                      | ug/L         | 20    | 0.0644             | 2.1     | 0.3146947 | 0.0644         | NO         | NO         | 0.0644         | NO         | NO         |                               |         |       |         |
| Dibenzofuran                               | ug/L         | 20    | 0.097              | 10      | 1.2785789 | 0.097          | NO         | NO         | 0.097          | NO         | NO         |                               |         |       |         |
| Dibromochloromethane                       | ug/L         | 20    | 0.14               | 5       | 0.5367895 | 0.14           | NO         | NO         | 0.14           | NO         | NO         |                               |         |       |         |
| Diesel fuel                                | ug/L         | 23    | 0.48               | 240     | 98.013043 | 147            | NO         | NO         | 79.7           | NO         | NO         |                               |         |       |         |
| Diethyl phthalate                          | ug/L         | 20    | 0.282              | 10      | 1.0929474 | 0.287          | NO         | NO         | 0.287          | NO         | NO         |                               |         |       |         |
| Dimethyl phthalate                         | ug/L         | 20    | 0.26               | 10      | 1.0212105 | 0.26           | NO         | NO         | 0.26           | NO         | NO         |                               |         |       |         |
| Ethylbenzene                               | ug/L         | 36    | 0.137              | 5       | 0.8211714 | 0.137          | NO         | NO         | 0.137          | NO         | NO         |                               |         |       |         |
| Fluoranthene                               | ug/L         | 20    | 0.102              | 2.1     | 0.3475789 | 0.102          | NO         | NO         | 0.102          | NO         | NO         |                               |         |       |         |
| Fluorene                                   | ug/L         | 20    | 0.0844             | 2.1     | 0.3405579 | 0.0844         | NO         | NO         | 0.0844         | NO         | NO         |                               |         |       |         |
| Fluoride (dissolved)                       | ug/L         | 20    | 0.38               | 1840    | 716.3125  | 1160           | NO         | NO         | 1840           | NO         | NO         |                               |         |       |         |
| Gasoline                                   | ug/L         | 11    | 31.4               | 157     | 67.41     | 57.6           | NO         | NO         | 91.6           | NO         | NO         |                               |         |       |         |
| Hardness                                   | ug/L         | 25    | 244                | 1090000 | 490928.56 | 722000         | NO         | NO         | 639000         | NO         | NO         |                               |         |       |         |
| Hexachlorobenzene                          | ug/L         | 20    | 0.0755             | 10      | 0.7767895 | 0.0755         | NO         | NO         | 0.0755         | NO         | NO         |                               |         |       |         |
| Hexachlorobutadiene                        | ug/L         | 20    | 0.0968             | 10      | 1.2735474 | 0.0968         | NO         | NO         | 0.0968         | NO         | NO         |                               |         |       |         |
| Hexachlorocyclopentadiene                  | ug/L         | 20    | 0.0598             | 10      | 2.0209684 | 0.0598         | NO         | NO         | 0.0598         | NO         | NO         |                               |         |       |         |
| Hexachloroethane                           | ug/L         | 20    | 0.127              | 10      | 1.3238947 | 0.127          | NO         | NO         | 0.127          | NO         | NO         |                               |         |       |         |
| Indeno(1,2,3-cd)pyrene                     | ug/L         | 19    | 0.279              | 1       | 0.3436111 | 0.279          | NO         | NO         | 0.279          | NO         | NO         |                               |         |       |         |
| Iron                                       | ug/L         | 23    | 0.064              | 2630    | 205.54304 | 97             | NO         | NO         | 196            | NO         | NO         |                               |         |       |         |
| Iron (dissolved)                           | ug/L         | 27    | 0.0053             | 209     | 41.403015 | 44.7           | NO         | NO         | 44.7           | NO         | NO         | ---                           | 300     | ---   | NO      |
| Isophorone                                 | ug/L         | 20    | 0.143              | 10      | 1.2666316 | 0.143          | NO         | NO         | 0.143          | NO         | NO         |                               |         |       |         |
| Lead                                       | ug/L         | 9     | 0.0069             | 0.9     | 0.3335    | 0.513          | NO         | NO         | 0.513          | NO         | NO         |                               |         |       |         |
| Lead (dissolved)                           | ug/L         | 19    | 0.00014            | 0.688   | 0.2017584 | 0.513          | NO         | NO         | 0.513          | NO         | NO         | 281                           | 10.9    | NO    | NO      |
| Magnesium                                  | ug/L         | 9     | 93.1               | 175000  | 130788.12 | 116000         | NO         | NO         | 103000         | NO         | NO         |                               |         |       |         |
| Manganese (dissolved)                      | ug/L         | 19    | 0.00022            | 86.8    | 5.8872947 | 0.982          | NO         | NO         | 1.13           | NO         | NO         | 4738                          | 2618    | NO    | NO      |
| Mercury                                    | ug/L         | 6     | 0.00012            | 0.2     | 0.1166867 | 0.1            | NO         | NO         | 0.1            | NO         | NO         |                               |         |       |         |
| Methylene chloride                         | ug/L         | 20    | 0.43               | 5       | 1.1563158 | 0.43           | NO         | NO         | 0.43           | NO         | NO         |                               |         |       |         |
| Molybdenum                                 | ug/L         | 3     | 305                | 363     | 334       | 334            | NO         | NO         | 363            | NO         | NO         | ---                           | 150     | ---   | YES     |
| N-Nitrosodi-n-propylamine                  | ug/L         | 20    | 0.261              | 10      | 1.3654211 | 0.261          | NO         | NO         | 0.261          | NO         | NO         |                               |         |       |         |
| N-Nitrosodiphenylamine                     | ug/L         | 20    | 0.304              | 10      | 2.6186842 | 2.37           | NO         | NO         | 2.37           | NO         | NO         |                               |         |       |         |
| Naphthalene                                | ug/L         | 20    | 0.159              | 2.1     | 0.3970526 | 0.159          | NO         | NO         | 0.159          | NO         | NO         |                               |         |       |         |
| Nickel                                     | ug/L         | 4     | 0.0052             | 6.56    | 3.1613    | 6.56           | NO         | NO         | 2.88           | NO         | NO         | 1513                          | 168     | NO    | NO      |
| Nitrate (as N)                             | ug/L         | 27    | 14                 | 21600   | 10921.489 | 18500          | NO         | NO         | 14900          | NO         | NO         |                               |         |       |         |
| Nitrite (as N)                             | ug/L         | 27    | 0.01               | 794     | 142.07962 | 794            | NO         | NO         | 420            | NO         | NO         |                               |         |       |         |
| Nitrobenzene                               | ug/L         | 20    | 0.297              | 21      | 1.9983158 | 0.297          | NO         | NO         | 0.297          | NO         | NO         |                               |         |       |         |
| Nitrobenzene-D5                            | %            | 10    | 32.1               | 69.5    | 54.3      | 46.8           | NO         | NO         | 52.4           | NO         | NO         |                               |         |       |         |
| o-Terphenyl                                | %            | 10    | 79.5               | 125     | 103.24    | 118            | NO         | NO         | 125            | NO         | NO         |                               |         |       |         |
| Oil and grease                             | ug/L         | 16    | 5                  | 5560    | 1520.3125 | 1650           | NO         | NO         | 1350           | NO         | NO         |                               |         |       |         |
| p-Bromofluorobenzene                       | %            | 10    | 82                 | 109     | 97.82     | 99.1           | NO         | NO         | 109            | NO         | NO         |                               |         |       |         |
| p-Terphenyl-d14                            | %            | 9     | 26.5               | 82      | 60.644444 | 64.2           | NO         | NO         | 82             | NO         | NO         |                               |         |       |         |
| Pentachlorophenol                          | ug/L         | 20    | 0.313              | 10      | 1.5866316 | 0.313          | NO         | NO         | 0.313          | NO         | NO         |                               |         |       |         |
| pH                                         | s.u.         | 20    | 7.5                | 8       | 7.756     | 7.88           | NO         | NO         | 7.85           | NO         | NO         |                               |         |       |         |
| Phenanthrene                               | ug/L         | 20    | 0.112              | 2.1     | 0.3836842 | 0.112          | NO         | NO         | 0.112          | NO         | NO         |                               |         |       |         |
| Phenol                                     | ug/L         | 20    | 0.334              | 10      | 3.0873684 | 4.33           | NO         | NO         | 4.33           | NO         | NO         |                               |         |       |         |
| Phenol-d5                                  | %            | 10    | 12.2               | 57      | 22.39     | 17.3           | NO         | NO         | 20.2           | NO         | NO         |                               |         |       |         |
| Phenolics (total)                          | ug/L         | 25    | 0.0077             | 26      | 5.8833208 | 8.3            | NO         | NO         | 8.3            | NO         | NO         |                               |         |       |         |
| Phosphorus                                 | ug/L         | 26    | 0.017              | 100     | 34.639423 | 35             | NO         | NO         | 48.6           | NO         | NO         |                               |         |       |         |
| Pyrene                                     | ug/L         | 20    | 0.107              | 2.1     | 0.3625263 | 0.107          | NO         | NO         | 0.107          | NO         | NO         |                               |         |       |         |
| Selenium (dissolved)                       | ug/L         | 27    | 0.0071             | 54.1    | 31.943896 | 33.2           | NO         | NO         | 35.7           | NO         | NO         | 18.4                          | 4.6     | NO    | YES     |
| Silica                                     | ug/L         | 19    | 17                 | 23600   | 16311.421 | 13700          | NO         | NO         | 16400          | NO         | NO         |                               |         |       |         |
| Silicon                                    | ug/L         | 20    | 6400               | 11000   | 7951.5    | 6400           | NO         | NO         | 7670           | NO         | NO         |                               |         |       |         |
| Silver (dissolved)                         | ug/L         | 5     | 0.00003            | 0.144   | 0.087406  | 0.144          | NO         | NO         | 0.144          | NO         | NO         | 22                            | 3.5     | NO    | NO      |
| Styrene                                    | ug/L         | 20    | 0.118              | 5       | 0.5184737 | 0.118          | NO         | NO         | 0.118          | NO         | NO         |                               |         |       |         |
| Sulfate                                    | ug/L         | 32    | 220                | 2030000 | 979781.88 | 1290000        | NO         | NO         | 1280000        | NO         | NO         | ---                           | 250     | ---   | YES     |
| Sulfide                                    | ug/L         | 28    | 0.49               | 50      | 13.907037 | 25             | NO         | NO         | 25             | NO         | NO         |                               |         |       |         |
| Tetrachloroethene                          | ug/L         | 20    | 0.3                | 5       | 0.6381053 | 0.3            | NO         | NO         | 0.3            | NO         | NO         |                               |         |       |         |
| Toluene                                    | ug/L         | 36    | 0.2                | 5       | 0.8906286 | 0.278          | NO         | NO         | 0.278          | NO         | NO         |                               |         |       |         |
| Toluene-D8                                 | %            | 10    | 95.1               | 122     | 106.21    | 102            | NO         | NO         | 122            | NO         | NO         |                               |         |       |         |
| Total dissolved solids (TDS)               | ug/L         | 30    | 2170               | 3360000 | 1615432.3 | 2250000        | NO         | NO         | 1900000        | NO         | NO         |                               |         |       |         |
| Total organic carbon (TOC)                 | ug/L         | 25    | 8.5                | 89300   | 11201.424 | 8830           | NO         | NO         | 9390           | NO         | NO         |                               |         |       |         |
| Total suspended solids (TSS)               | ug/L         | 19    | 6.4                | 35600   | 7083.5684 | 8100           | NO         | NO         | 4800           | NO         | NO         |                               |         |       |         |
| trans-1,2-Dichloroethene                   | ug/L         | 18    | 0.149              | 1       | 0.3007647 | 0.149          | NO         | NO         | 0.149          | NO         | NO         |                               |         |       |         |
| trans-1,3-Dichloropropene                  | ug/L         | 20    | 0.118              | 5       | 0.5565789 | 0.118          | NO         | NO         | 0.118          | NO         | NO         |                               |         |       |         |
| Trichloroethene                            | ug/L         | 20    | 0.19               | 5       | 0.5945263 | 0.19           | NO         | NO         | 0.19           | NO         | NO         |                               |         |       |         |
| Uranium (dissolved)                        | ug/L         | 3     | 11.5               | 11.9    | 11.666667 | 11.9           | NO         | NO         | 11.6           | NO         | NO         | 11070                         | 6915    | NO    | NO      |
| Vinyl chloride                             | ug/L         | 20    | 0.234              | 5       | 0.5904737 | 0.234          | NO         | NO         | 0.234          | NO         | NO         |                               |         |       |         |
| Xylenes (total)                            | ug/L         | 19    | 0.174              | 3       | 0.7430526 | 0.174          | NO         | NO         | 0.174          | NO         | NO         |                               |         |       |         |
| Zinc (dissolved)                           | ug/L         | 19    | 0.0035             | 15.1    | 4.4324579 | 9.68           | NO         | NO         | 7.96           | NO         | NO         | 564                           | 428     | NO    | NO      |
| Conductivity, field                        | uS/cm        | 12    | 29.32              | 4320    | 2847.465  | 31.7           | NO         | NO         | 30.56          | NO         | NO         |                               |         |       |         |
| Dissolved oxygen (DO), field               | mg/L         | 12    | 6.03               | 13.44   | 8.4716667 | 7.04           | NO         | NO         | 6.45           | NO         | NO         |                               |         |       |         |
| Oxidation reduction potential (ORP), field | millivolts   | 12    | -28                | 1039.4  | 135.18333 | 279.1          | NO         | NO         | 131.8          | NO         | NO         |                               |         |       |         |
| pH, field                                  | s.u.         | 12    | 5.91               | 8.53    | 7.2333333 | 7.3            | NO         | NO         | 7.7            | NO         | NO         |                               |         |       |         |
| Temperature, ambient                       | Deg F        | 12    | 50                 | 75      | 62.916667 | 70             | NO         | NO         | 65             | NO         | NO         |                               |         |       |         |
| Temperature, sample                        | Deg C        | 9     | 9.1                | 12.8    | 10.888889 | 10.1           | NO         | NO         | 9.3            | NO         | NO         |                               |         |       |         |
| Turbidity, field                           | NTU          | 12    | 1                  | 132.7   | 19.851667 | 5.56           | NO         | NO         | 1              | NO         | NO         |                               |         |       |         |

Note: Water quality standards for the metals: cadmium, chromium III, lead, manganese, nickel, silver, uranium, and zinc were calculated using Table Value Standards in accordance with Colorado WQCD specifications; a hardness of 400 mg/L (a Roan Creek sample collected in 2002 showed a calculated hardness of 608 mg/L). Also note that samples were analyzed for dissolved chromium, not trivalent or hexavalent species; the standard was applied to dissolved chromium.

| LW-Retort 2024 Data vs Historic Data Summary                |              |           |                    |        |           |                |                |                |                |                |                |                 |         |       |         |
|-------------------------------------------------------------|--------------|-----------|--------------------|--------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------|-------|---------|
| Analyte                                                     | Result Units | Count (n) | Summary Statistics |        |           | Date 10/8/2024 |                |                | Date 5/15/2024 |                |                | TVS Standards   |         |       |         |
|                                                             |              |           | Min                | Max    | Avg       | Value          | Below Avg. Min | Above Avg. Max | Value          | Below Avg. Min | Above Avg. Max | 2024 Exceedance |         |       |         |
|                                                             |              |           |                    |        |           |                |                |                |                |                |                | Acute           | Chronic | Acute | Chronic |
| 1,1,1-Trichloroethane                                       | ug/L         | 20        | 0.149              | 5      | 0.5565263 | 0.149          | NO             | NO             | 0.149          | NO             | NO             |                 |         |       |         |
| 1,1,2,2-Tetrachloroethane                                   | ug/L         | 20        | 0.13               | 5      | 0.4756316 | 0.133          | NO             | NO             | 0.133          | NO             | NO             |                 |         |       |         |
| 1,1,2-Trichloroethane                                       | ug/L         | 20        | 0.158              | 5      | 0.5948947 | 0.158          | NO             | NO             | 0.158          | NO             | NO             |                 |         |       |         |
| 1,1-Dichloroethane                                          | ug/L         | 20        | 0.1                | 5      | 0.5112105 | 0.1            | NO             | NO             | 0.1            | NO             | NO             |                 |         |       |         |
| 1,1-Dichloroethene                                          | ug/L         | 20        | 0.188              | 5      | 0.6093684 | 0.188          | NO             | NO             | 0.188          | NO             | NO             |                 |         |       |         |
| 1,2,4-Trichlorobenzene                                      | ug/L         | 20        | 0.0698             | 11.1   | 1.4632316 | 0.0698         | NO             | NO             | 0.0698         | NO             | NO             |                 |         |       |         |
| 1,2-Dichlorobenzene                                         | ug/L         | 18        | 0.0713             | 65.8   | 6.4802    | 0.0713         | NO             | NO             | 0.0713         | NO             | NO             |                 |         |       |         |
| 1,2-Dichloroethane                                          | ug/L         | 20        | 0.0819             | 5      | 0.5381105 | 0.0819         | NO             | NO             | 0.0819         | NO             | NO             |                 |         |       |         |
| 1,2-Dichloroethane-d4                                       | %            | 10        | 72                 | 126    | 109.52    | 123            | NO             | NO             | 98.2           | NO             | NO             |                 |         |       |         |
| 1,2-Dichloropropane                                         | ug/L         | 20        | 0.149              | 5      | 0.5675263 | 0.149          | NO             | NO             | 0.149          | NO             | NO             |                 |         |       |         |
| 1,3-Dichlorobenzene                                         | ug/L         | 20        | 0.132              | 11.1   | 1.5468421 | 0.132          | NO             | NO             | 0.132          | NO             | NO             |                 |         |       |         |
| 1,4-Dichlorobenzene                                         | ug/L         | 20        | 0.0942             | 11.1   | 1.5563474 | 0.0942         | NO             | NO             | 0.0942         | NO             | NO             |                 |         |       |         |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether) | ug/L         | 17        | 0.21               | 11.1   | 1.6440625 | 0.21           | NO             | NO             | 0.21           | NO             | NO             |                 |         |       |         |
| 2,4,5-Trichlorophenol                                       | ug/L         | 20        | 0.109              | 11.1   | 1.5973158 | 0.109          | NO             | NO             | 0.109          | NO             | NO             |                 |         |       |         |
| 2,4,6-Tribromophenol                                        | %            | 10        | 40.4               | 86     | 61.28     | 53.4           | NO             | NO             | 58.9           | NO             | NO             |                 |         |       |         |
| 2,4,6-Trichlorophenol                                       | ug/L         | 20        | 0.1                | 11.1   | 1.7777895 | 0.1            | NO             | NO             | 0.1            | NO             | NO             |                 |         |       |         |
| 2,4-Dichlorophenol                                          | ug/L         | 20        | 0.102              | 11.1   | 1.6505263 | 0.102          | NO             | NO             | 0.102          | NO             | NO             |                 |         |       |         |
| 2,4-Dimethylphenol                                          | ug/L         | 20        | 0.0636             | 19.5   | 6.01408   | 4.41           | NO             | NO             | 3.22           | NO             | NO             |                 |         |       |         |
| 2,4-Dinitrophenol                                           | ug/L         | 20        | 2.96               | 65     | 12.668421 | 5.93           | NO             | NO             | 5.93           | NO             | NO             |                 |         |       |         |
| 2,4-Dinitrotoluene                                          | ug/L         | 20        | 0.0983             | 33     | 3.8649158 | 0.0983         | NO             | NO             | 0.0983         | NO             | NO             |                 |         |       |         |
| 2,6-Dinitrotoluene                                          | ug/L         | 20        | 0.25               | 11.1   | 1.75      | 0.25           | NO             | NO             | 0.25           | NO             | NO             |                 |         |       |         |
| 2-Butanone (Methyl ethyl ketone) (MEK)                      | ug/L         | 19        | 1.1                | 10     | 2.74      | 1.19           | NO             | NO             | 1.19           | NO             | NO             |                 |         |       |         |
| 2-Chloronaphthalene                                         | ug/L         | 20        | 0.0648             | 6.6    | 0.7320211 | 0.0648         | NO             | NO             | 0.0648         | NO             | NO             |                 |         |       |         |
| 2-Chlorophenol                                              | ug/L         | 20        | 0.133              | 11.1   | 1.7363158 | 0.133          | NO             | NO             | 0.133          | NO             | NO             |                 |         |       |         |
| 2-Fluorobiphenyl                                            | %            | 11        | 48.7               | 75.6   | 62.136364 | 57.7           | NO             | NO             | 69.1           | NO             | NO             |                 |         |       |         |
| 2-Fluorophenol                                              | %            | 10        | 14.3               | 59     | 33.37     | 27.6           | NO             | NO             | 30.8           | NO             | NO             |                 |         |       |         |
| 2-Hexanone                                                  | ug/L         | 20        | 0.57               | 10     | 2.5996316 | 0.787          | NO             | NO             | 0.787          | NO             | NO             |                 |         |       |         |
| 2-Methylnaphthalene                                         | ug/L         | 20        | 0.607              | 9.82   | 2.13275   | 0.623          | NO             | NO             | 0.611          | NO             | NO             |                 |         |       |         |
| 2-Methylphenol                                              | ug/L         | 20        | 0.0929             | 11.1   | 2.0024526 | 0.717          | NO             | NO             | 0.453          | NO             | NO             |                 |         |       |         |
| 2-Nitroaniline                                              | ug/L         | 20        | 0.102              | 50     | 6.5868421 | 0.102          | NO             | NO             | 0.102          | NO             | NO             |                 |         |       |         |
| 2-Nitrophenol                                               | ug/L         | 20        | 0.117              | 11.1   | 1.7284737 | 0.117          | NO             | NO             | 0.117          | NO             | NO             |                 |         |       |         |
| 3&4-Methylphenol                                            | ug/L         | 19        | 0.168              | 11.1   | 1.3498333 | 0.704          | NO             | NO             | 0.168          | NO             | NO             |                 |         |       |         |
| 3,3'-Dichlorobenzidine                                      | ug/L         | 20        | 0.212              | 40.4   | 4.4757895 | 0.212          | NO             | NO             | 0.212          | NO             | NO             |                 |         |       |         |
| 3-Nitroaniline                                              | ug/L         | 20        | 0.0869             | 50     | 4.1411158 | 0.0869         | NO             | NO             | 0.0869         | NO             | NO             |                 |         |       |         |
| 4,6-Dinitro-2-methylphenol                                  | ug/L         | 20        | 1.12               | 52.4   | 8.6663158 | 1.12           | NO             | NO             | 1.12           | NO             | NO             |                 |         |       |         |
| 4-Bromophenyl phenyl ether                                  | ug/L         | 20        | 0.0877             | 11.1   | 1.7421895 | 0.0877         | NO             | NO             | 0.0877         | NO             | NO             |                 |         |       |         |
| 4-Chloro-3-methylphenol                                     | ug/L         | 20        | 0.131              | 11.1   | 1.6779474 | 0.131          | NO             | NO             | 0.131          | NO             | NO             |                 |         |       |         |
| 4-Chloroaniline                                             | ug/L         | 20        | 0.234              | 11.1   | 1.9771579 | 0.234          | NO             | NO             | 0.234          | NO             | NO             |                 |         |       |         |
| 4-Chlorophenyl phenyl ether                                 | ug/L         | 20        | 0.0926             | 11.1   | 1.6754632 | 0.0926         | NO             | NO             | 0.0926         | NO             | NO             |                 |         |       |         |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)        | ug/L         | 19        | 0.478              | 10     | 1.6595556 | 0.478          | NO             | NO             | 0.478          | NO             | NO             |                 |         |       |         |
| 4-Nitroaniline                                              | ug/L         | 20        | 0.091              | 50     | 4.1917895 | 0.091          | NO             | NO             | 0.091          | NO             | NO             |                 |         |       |         |
| 4-Nitrophenol                                               | ug/L         | 20        | 0.143              | 50     | 6.8473684 | 0.143          | NO             | NO             | 0.143          | NO             | NO             |                 |         |       |         |
| a,a,a-Trifluorotoluene                                      | %            | 9         | 86.2               | 109    | 97.655556 | 86.2           | NO             | NO             | 89.7           | NO             | NO             |                 |         |       |         |
| Acenaphthene                                                | ug/L         | 20        | 0.0886             | 6.32   | 0.8038737 | 0.0886         | NO             | NO             | 0.0886         | NO             | NO             |                 |         |       |         |
| Acenaphthylene                                              | ug/L         | 20        | 0.0921             | 6.18   | 0.7428263 | 0.0921         | NO             | NO             | 0.0921         | NO             | NO             |                 |         |       |         |
| Acetone                                                     | ug/L         | 20        | 5                  | 50     | 12.984211 | 11.3           | NO             | NO             | 11.3           | NO             | NO             |                 |         |       |         |
| Alkalinity, bicarbonate                                     | ug/L         | 31        | 410                | 408000 | 203043.9  | 327000         | NO             | NO             | 322000         | NO             | NO             |                 |         |       |         |
| Alkalinity, carbonate                                       | ug/L         | 31        | 5                  | 81200  | 17182.79  | 25800          | NO             | NO             | 8450           | NO             | NO             |                 |         |       |         |
| Alkalinity, total (as CaCO3)                                | ug/L         | 30        | 470                | 434000 | 226220.83 | 353000         | NO             | NO             | 322000         | NO             | NO             |                 |         |       |         |
| Ammonia-N                                                   | ug/L         | 14        | 393                | 2650   | 1291.5714 | 824            | NO             | NO             | 393            | NO             | NO             |                 |         |       |         |
| Anthracene                                                  | ug/L         | 20        | 0.0804             | 45.5   | 3.0611579 | 0.0804         | NO             | NO             | 0.0804         | NO             | NO             |                 |         |       |         |
| Arsenic                                                     | ug/L         | 27        | 0.0192             | 630    | 40.436248 | 10.2           | NO             | NO             | 33.1           | NO             | NO             |                 |         |       |         |
| Arsenic (dissolved)                                         | ug/L         | 30        | 0.0121             | 63.3   | 17.575923 | 9.91           | NO             | NO             | 29.9           | NO             | NO             | 340             | 0.2     | NO    | YES     |
| Benzene                                                     | ug/L         | 33        | 0.33               | 10     | 2.6821515 | 1.04           | NO             | NO             | 0.631          | NO             | NO             |                 |         |       |         |
| Benzo(a)anthracene                                          | ug/L         | 19        | 0.0975             | 12.7   | 1.0382222 | 0.199          | NO             | NO             | 0.199          | NO             | NO             |                 |         |       |         |
| Benzo(a)pyrene                                              | ug/L         | 19        | 0.0381             | 6.8    | 0.6719444 | 0.0381         | NO             | NO             | 0.0381         | NO             | NO             |                 |         |       |         |
| Benzo(b)fluoranthene                                        | ug/L         | 19        | 0.0815             | 5.19   | 0.49655   | 0.13           | NO             | NO             | 0.13           | NO             | NO             |                 |         |       |         |
| Benzo(g,h,i)perylene                                        | ug/L         | 19        | 0.121              | 3.22   | 0.4113889 | 0.121          | NO             | NO             | 0.121          | NO             | NO             |                 |         |       |         |
| Benzo(k)fluoranthene                                        | ug/L         | 19        | 0.12               | 7.1    | 0.7340556 | 0.12           | NO             | NO             | 0.12           | NO             | NO             |                 |         |       |         |
| bis(2-Chloroethoxy)methane                                  | ug/L         | 20        | 0.116              | 11.1   | 1.7523684 | 0.116          | NO             | NO             | 0.116          | NO             | NO             |                 |         |       |         |
| bis(2-Chloroethyl)ether                                     | ug/L         | 20        | 0.137              | 32.4   | 3.7478947 | 0.137          | NO             | NO             | 0.137          | NO             | NO             |                 |         |       |         |
| bis(2-Ethylhexyl)phthalate (DEHP)                           | ug/L         | 19        | 0.709              | 14.2   | 2.0977778 | 0.895          | NO             | NO             | 0.895          | NO             | NO             |                 |         |       |         |
| Boron                                                       | ug/L         | 5         | 10000              | 11100  | 10780     | 10900          | NO             | NO             | 11100          | NO             | NO             | ---             | 0.75    | ---   | YES     |
| Bromide                                                     | ug/L         | 33        | 0.2                | 990000 | 33667.571 | 6800           | NO             | NO             | 3530           | NO             | NO             |                 |         |       |         |
| Bromodichloromethane                                        | ug/L         | 20        | 0.136              | 5      | 0.5691579 | 0.136          | NO             | NO             | 0.136          | NO             | NO             |                 |         |       |         |
| Bromoform                                                   | ug/L         | 20        | 0.129              | 5      | 0.6075789 | 0.129          | NO             | NO             | 0.129          | NO             | NO             |                 |         |       |         |
| Bromomethane (Methyl bromide)                               | ug/L         | 19        | 0.605              | 5      | 1.0059444 | 0.605          | NO             | NO             | 0.605          | NO             | NO             |                 |         |       |         |
| Butyl benzylphthalate (BBP)                                 | ug/L         | 19        | 0.25               | 5.5    | 1.1783333 | 0.765          | NO             | NO             | 0.765          | NO             | NO             |                 |         |       |         |
| Cadmium                                                     | ug/L         | 5         | 0.16               | 10     | 2.732     | 0.16           | NO             | NO             | 0.8            | NO             | NO             |                 |         |       |         |
| Cadmium (dissolved)                                         | ug/L         | 23        | 0.00012            | 4.4    | 0.3323196 | 0.16           | NO             | NO             | 0.8            | NO             | NO             | 9.99            | 6.54    | NO    | NO      |
| Calcium                                                     | ug/L         | 8         | 53000              | 62400  | 56500     | 61100          | NO             | NO             | 62400          | NO             | NO             |                 |         |       |         |
| Carbazole                                                   | ug/L         | 20        | 0.409              | 11.1   | 2.40735   | 0.409          | NO             | NO             | 0.499          | NO             | NO             |                 |         |       |         |
| Carbon disulfide                                            | ug/L         | 20        | 0.0962             | 5      | 0.6360632 | 0.493          | NO             | NO             | 0.379          | NO             | NO             |                 |         |       |         |
| Carbon tetrachloride                                        | ug/L         | 20        | 0.128              | 5      | 0.5739474 | 0.128          | NO             | NO             | 0.128          | NO             | NO             |                 |         |       |         |
| Chloride                                                    | ug/L         | 33        | 58.9               | 93200  | 45339.827 | 77900          | NO             | NO             | 78300          | NO             | NO             | ---             | 250     | ---   | YES     |
| Chlorobenzene                                               | ug/L         | 20        | 0.116              | 5      | 0.5268421 | 0.116          | NO             | NO             | 0.116          | NO             | NO             |                 |         |       |         |
| Chloroethane                                                | ug/L         | 20        | 0.192              | 5      | 0.8236316 | 0.192          | NO             | NO             | 0.192          | NO             | NO             |                 |         |       |         |
| Chloroform (Trichloromethane)                               | ug/L         | 19        | 0.111              | 5      | 0.5148333 | 0.111          | NO             | NO             | 0.111          | NO             | NO             |                 |         |       |         |
| Chloromethane (Methyl chloride)                             | ug/L         | 19        | 0.276              | 2.5    | 0.804     | 0.96           | NO             | NO             | 0.96           | NO             | NO             |                 |         |       |         |
| Chromium                                                    | ug/L         | 27        | 0.00018            | 28     | 4.8243363 | 5.6            | NO             | NO             | 28             | NO             | NO             |                 |         |       |         |
| Chromium (dissolved)                                        | ug/L         | 23        | 0.0002             | 28     | 2.1222017 | 5.6            | NO             | NO             | 28             | NO             | NO             | 1773            | 231     | NO    | NO      |
| Chromium III (trivalent)                                    | ug/L         | 3         | 3                  | 3      | 3         | 3              | NO             | NO             | 3              | NO             | NO             |                 |         |       |         |
| Chromium VI (hexavalent)                                    | ug/L         | 3         | 3                  | 6      | 4         | 3              | NO             | NO             | 6              | NO             | NO             |                 |         |       |         |
| Chrysene                                                    | ug/L         | 20        | 0.13               | 16.2   | 1.432     | 0.             |                |                |                |                |                |                 |         |       |         |

| LW-Retort 2024 Data vs Historic Data Summary |              |           |                    |         |           |                |          |                |                |          |                |                 |         |       |         |
|----------------------------------------------|--------------|-----------|--------------------|---------|-----------|----------------|----------|----------------|----------------|----------|----------------|-----------------|---------|-------|---------|
| Analyte                                      | Result Units | Count (n) | Summary Statistics |         |           | Date 10/8/2024 |          |                | Date 5/15/2024 |          |                | TVS Standards   |         |       |         |
|                                              |              |           | Min                | Max     | Avg       | Value          | Avg. Min | Above Avg. Max | Value          | Avg. Min | Above Avg. Max | 2024 Exceedance |         |       |         |
|                                              |              |           |                    |         |           |                |          |                |                |          |                | Acute           | Chronic | Acute | Chronic |
| Dibromochloromethane                         | ug/L         | 20        | 0.14               | 5       | 0.5367895 | 0.14           | NO       | NO             | 0.14           | NO       | NO             |                 |         |       |         |
| Diesel fuel                                  | ug/L         | 23        | 6.3                | 24300   | 4825.113  | 2410           | NO       | NO             | 1860           | NO       | NO             |                 |         |       |         |
| Diethyl phthalate                            | ug/L         | 20        | 0.257              | 10      | 1.4728947 | 0.287          | NO       | NO             | 0.287          | NO       | NO             |                 |         |       |         |
| Dimethyl phthalate                           | ug/L         | 20        | 0.258              | 10      | 1.3731579 | 0.26           | NO       | NO             | 0.26           | NO       | NO             |                 |         |       |         |
| Ethylbenzene                                 | ug/L         | 33        | 0.159              | 5       | 1.2699697 | 0.357          | NO       | NO             | 0.291          | NO       | NO             |                 |         |       |         |
| Fluoranthene                                 | ug/L         | 20        | 0.102              | 32.9    | 2.4314737 | 0.102          | NO       | NO             | 0.102          | NO       | NO             |                 |         |       |         |
| Fluorene                                     | ug/L         | 20        | 0.429              | 30.5    | 3.0817    | 0.445          | NO       | NO             | 0.429          | NO       | NO             |                 |         |       |         |
| Fluoride (dissolved)                         | ug/L         | 24        | 9.3                | 11500   | 4479.625  | 7830           | NO       | NO             | 8650           | NO       | NO             |                 |         |       |         |
| Gasoline                                     | ug/L         | 11        | 31.4               | 62.2    | 42.618182 | 62.2           | NO       | NO             | 37.9           | NO       | NO             |                 |         |       |         |
| Hardness                                     | ug/L         | 29        | 300                | 525000  | 175831.1  | 365000         | NO       | NO             | 368000         | NO       | NO             |                 |         |       |         |
| Hexachlorobenzene                            | ug/L         | 20        | 0.0755             | 10      | 1.1904737 | 0.0755         | NO       | NO             | 0.0755         | NO       | NO             |                 |         |       |         |
| Hexachlorobutadiene                          | ug/L         | 20        | 0.0968             | 11.1    | 1.7249158 | 0.0968         | NO       | NO             | 0.0968         | NO       | NO             |                 |         |       |         |
| Hexachlorocyclopentadiene                    | ug/L         | 20        | 0.0598             | 46.6    | 4.8809684 | 0.0598         | NO       | NO             | 0.0598         | NO       | NO             |                 |         |       |         |
| Hexachloroethane                             | ug/L         | 20        | 0.127              | 11.1    | 1.8206316 | 0.127          | NO       | NO             | 0.127          | NO       | NO             |                 |         |       |         |
| Indeno(1,2,3-cd)pyrene                       | ug/L         | 19        | 0.254              | 5.58    | 0.7027778 | 0.279          | NO       | NO             | 0.279          | NO       | NO             |                 |         |       |         |
| Iron                                         | ug/L         | 27        | 0.0709             | 200000  | 9384.7028 | 143            | NO       | NO             | 224            | NO       | NO             |                 |         |       |         |
| Iron (dissolved)                             | ug/L         | 31        | 0.0039             | 300     | 60.092243 | 44.7           | NO       | NO             | 224            | NO       | NO             | ---             | 300     | ---   | NO      |
| Isophorone                                   | ug/L         | 20        | 0.143              | 11.1    | 1.6497895 | 0.143          | NO       | NO             | 0.143          | NO       | NO             |                 |         |       |         |
| Lead                                         | ug/L         | 5         | 0.513              | 10      | 5.1266    | 0.513          | NO       | NO             | 2.56           | NO       | NO             |                 |         |       |         |
| Lead (dissolved)                             | ug/L         | 23        | 0.00002            | 5.2     | 0.5448298 | 0.513          | NO       | NO             | 2.56           | NO       | NO             | 281             | 10.9    | NO    | NO      |
| Magnesium                                    | ug/L         | 8         | 39000              | 51600   | 45537.5   | 51600          | NO       | NO             | 51400          | NO       | NO             |                 |         |       |         |
| Manganese (dissolved)                        | ug/L         | 23        | 0.0012             | 46.5    | 11.344943 | 23.6           | NO       | NO             | 25.8           | NO       | NO             | 4738            | 2618    | NO    | NO      |
| Mercury                                      | ug/L         | 5         | 0.037              | 0.2     | 0.1074    | 0.1            | NO       | NO             | 0.1            | NO       | NO             |                 |         |       |         |
| Methylene chloride                           | ug/L         | 20        | 0.43               | 5       | 1.1563158 | 0.43           | NO       | NO             | 0.43           | NO       | NO             |                 |         |       |         |
| Molybdenum                                   | ug/L         | 3         | 731                | 2310    | 1757      | 731            | NO       | NO             | 2310           | NO       | NO             | ---             | 150     | ---   | YES     |
| N-Nitrosodi-n-propylamine                    | ug/L         | 20        | 0.261              | 11.1    | 1.9062632 | 0.261          | NO       | NO             | 0.261          | NO       | NO             |                 |         |       |         |
| N-Nitrosodiphenylamine                       | ug/L         | 20        | 0.277              | 23.8    | 4.1067895 | 2.37           | NO       | NO             | 2.37           | NO       | NO             |                 |         |       |         |
| Naphthalene                                  | ug/L         | 20        | 0.696              | 7.44    | 2.80275   | 0.821          | NO       | NO             | 0.696          | NO       | NO             |                 |         |       |         |
| Nickel                                       | ug/L         | 3         | 1.11               | 2.57    | 2.0833333 | 1.11           | NO       | NO             | 2.57           | NO       | NO             | 1513            | 168     | NO    | NO      |
| Nitrate (as N)                               | ug/L         | 31        | 0.05               | 39400   | 1496.2347 | 39400          | NO       | NO             | 480            | NO       | NO             |                 |         |       |         |
| Nitrite (as N)                               | ug/L         | 31        | 0.031              | 794     | 123.32703 | 794            | NO       | NO             | 420            | NO       | NO             |                 |         |       |         |
| Nitrobenzene                                 | ug/L         | 20        | 0.297              | 20      | 2.4448421 | 0.297          | NO       | NO             | 0.297          | NO       | NO             |                 |         |       |         |
| Nitrobenzene-D5                              | %            | 10        | 48.9               | 75.1    | 63.17     | 50.5           | NO       | NO             | 68.9           | NO       | NO             |                 |         |       |         |
| o-Terphenyl                                  | %            | 10        | 0                  | 127     | 85.75     | 104            | NO       | NO             | 65.3           | NO       | NO             |                 |         |       |         |
| Oil and grease                               | ug/L         | 15        | 1230               | 589000  | 55634.286 | 1540           | NO       | NO             | 1300           | NO       | NO             |                 |         |       |         |
| p-Bromofluorobenzene                         | %            | 10        | 84.9               | 110     | 97.22     | 103            | NO       | NO             | 108            | NO       | NO             |                 |         |       |         |
| p-Terphenyl-d14                              | %            | 9         | 35.2               | 85.4    | 64.766667 | 66.3           | NO       | NO             | 62.9           | NO       | NO             |                 |         |       |         |
| Pentachlorophenol                            | ug/L         | 20        | 0.285              | 11.1    | 2.0103684 | 0.313          | NO       | NO             | 0.313          | NO       | NO             |                 |         |       |         |
| pH                                           | s.u.         | 20        | 8.25               | 8.77    | 8.558     | 8.47           | NO       | NO             | 8.45           | NO       | NO             |                 |         |       |         |
| Phenanthrene                                 | ug/L         | 20        | 0.6                | 114     | 8.8629    | 0.6            | NO       | NO             | 0.645          | NO       | NO             |                 |         |       |         |
| Phenol                                       | ug/L         | 20        | 0.334              | 11.1    | 4.0263684 | 4.33           | NO       | NO             | 4.33           | NO       | NO             |                 |         |       |         |
| Phenol-d5                                    | %            | 10        | 13                 | 61      | 24.49     | 16.9           | NO       | NO             | 24.2           | NO       | NO             |                 |         |       |         |
| Phenolics (total)                            | ug/L         | 26        | 0.033              | 63.6    | 12.103846 | 8.3            | NO       | NO             | 21.5           | NO       | NO             |                 |         |       |         |
| Phosphorus                                   | ug/L         | 31        | 0.031              | 344     | 44.743194 | 35             | NO       | NO             | 35             | NO       | NO             |                 |         |       |         |
| Pyrene                                       | ug/L         | 20        | 0.169              | 50.1    | 3.6266842 | 0.169          | NO       | NO             | 0.233          | NO       | NO             |                 |         |       |         |
| Selenium (dissolved)                         | ug/L         | 31        | 0.0018             | 6.4     | 2.2337806 | 0.952          | NO       | NO             | 3.85           | NO       | NO             | 18.4            | 4.6     | NO    | NO      |
| Silica                                       | ug/L         | 18        | 12600              | 20000   | 16577.778 | 12700          | NO       | NO             | 12600          | NO       | NO             |                 |         |       |         |
| Silicon                                      | ug/L         | 20        | 5900               | 9350    | 7806.5    | 5930           | NO       | NO             | 5900           | NO       | NO             |                 |         |       |         |
| Silver (dissolved)                           | ug/L         | 3         | 0.144              | 0.72    | 0.336     | 0.144          | NO       | NO             | 0.72           | NO       | NO             | 22              | 3.5     | NO    | NO      |
| Styrene                                      | ug/L         | 20        | 0.118              | 5       | 0.5184737 | 0.118          | NO       | NO             | 0.118          | NO       | NO             |                 |         |       |         |
| Sulfate                                      | ug/L         | 33        | 3300               | 4840000 | 2402030.3 | 4090000        | NO       | NO             | 4390000        | NO       | NO             | ---             | 250     | ---   | YES     |
| Sulfide                                      | ug/L         | 33        | 3                  | 1770    | 129.45    | 36             | NO       | NO             | 35             | NO       | NO             |                 |         |       |         |
| Tetrachloroethene                            | ug/L         | 20        | 0.3                | 5       | 0.6381053 | 0.3            | NO       | NO             | 0.3            | NO       | NO             |                 |         |       |         |
| Toluene                                      | ug/L         | 33        | 0.278              | 12      | 1.7704688 | 0.561          | NO       | NO             | 0.278          | NO       | NO             |                 |         |       |         |
| Toluene-D8                                   | %            | 10        | 94.3               | 118     | 103.74    | 96.3           | NO       | NO             | 118            | NO       | NO             |                 |         |       |         |
| Total dissolved solids (TDS)                 | ug/L         | 31        | 1520               | 7660000 | 3851839   | 7660000        | NO       | NO             | 7260000        | NO       | NO             |                 |         |       |         |
| Total organic carbon (TOC)                   | ug/L         | 30        | 13                 | 686000  | 32037.063 | 9990           | NO       | NO             | 9900           | NO       | NO             |                 |         |       |         |
| Total suspended solids (TSS)                 | ug/L         | 23        | 2                  | 14500   | 2311.3455 | 7400           | NO       | NO             | 2500           | NO       | NO             |                 |         |       |         |
| trans-1,2-Dichloroethene                     | ug/L         | 18        | 0.149              | 1       | 0.3007647 | 0.149          | NO       | NO             | 0.149          | NO       | NO             |                 |         |       |         |
| trans-1,3-Dichloropropene                    | ug/L         | 20        | 0.118              | 5       | 0.5565789 | 0.118          | NO       | NO             | 0.118          | NO       | NO             |                 |         |       |         |
| Trichloroethene                              | ug/L         | 20        | 0.19               | 5       | 0.5945263 | 0.19           | NO       | NO             | 0.19           | NO       | NO             |                 |         |       |         |
| Uranium (dissolved)                          | ug/L         | 3         | 3.21               | 3.85    | 3.55      | 3.21           | NO       | NO             | 3.59           | NO       | NO             | 11070           | 6915    | NO    | NO      |
| Vinyl chloride                               | ug/L         | 20        | 0.234              | 5       | 0.5904737 | 0.234          | NO       | NO             | 0.234          | NO       | NO             |                 |         |       |         |
| Xylenes (total)                              | ug/L         | 19        | 0.174              | 24      | 3.2459474 | 0.878          | NO       | NO             | 0.504          | NO       | NO             |                 |         |       |         |
| Zinc (dissolved)                             | ug/L         | 23        | 0.001              | 163     | 12.174657 | 7.96           | NO       | NO             | 39.8           | NO       | NO             | 564             | 428     | NO    | NO      |
| Conductivity, field                          | uS/cm        | 12        | 5081               | 9873    | 8843.1667 | 8878           | NO       | NO             | 9073           | NO       | NO             |                 |         |       |         |
| Dissolved oxygen (DO), field                 | mg/L         | 12        | 0.42               | 3       | 1.4366667 | 2              | NO       | NO             | 1.43           | NO       | NO             |                 |         |       |         |
| Oxidation reduction potential (ORP), field   | millivolts   | 12        | -256.6             | 80      | -130.7833 | 80             | NO       | NO             | -24.5          | NO       | NO             |                 |         |       |         |
| pH, field                                    | s.u.         | 12        | 7.07               | 9.42    | 8.57      | 8.45           | NO       | NO             | 8.61           | NO       | NO             |                 |         |       |         |
| Temperature, ambient                         | Deg F        | 12        | 45                 | 75      | 61.666667 | 65             | NO       | NO             | 60             | NO       | NO             |                 |         |       |         |
| Temperature, sample                          | Deg C        | 9         | 11.5               | 14.1    | 12.488889 | 13             | NO       | NO             | 12.5           | NO       | NO             |                 |         |       |         |
| Turbidity, field                             | NTU          | 12        | 1.81               | 19.41   | 6.4483333 | 1.81           | NO       | NO             | 9.89           | NO       | NO             |                 |         |       |         |

Note: Water quality standards for the metals: cadmium, chromium III, lead, manganese, nickel, silver, uranium, and zinc were calculated using Table Value Standards in accordance with Colorado WQCD specifications; a hardness of 400 mg/L (a Roan Creek sample collected in 2002 showed a calculated hardness of 608 mg/L). Also note that samples were analyzed for dissolved chromium, not trivalent or hexavalent species; the standard was applied to dissolved chromium.

| LW-LM 2024 Data vs Historic Data Summary                    |              |            |                    |        |            |                   |          |                   |                   |          |                   |                                  |         |       |         |
|-------------------------------------------------------------|--------------|------------|--------------------|--------|------------|-------------------|----------|-------------------|-------------------|----------|-------------------|----------------------------------|---------|-------|---------|
| Analyte                                                     | Result Units | Count<br>n | Summary Statistics |        |            | Date<br>10/8/2024 |          |                   | Date<br>5/15/2024 |          |                   | TVS Standards<br>2024 Exceedance |         |       |         |
|                                                             |              |            | ResultMin          | Max    | Result Avg | Result            | Avg. Min | Above<br>Avg. Max | Result            | Avg. Min | Above<br>Avg. Max | Acute                            | Chronic | Acute | Chronic |
|                                                             |              |            |                    |        |            |                   |          |                   |                   |          |                   |                                  |         |       |         |
| 1,1,1-Trichloroethane                                       | ug/L         | 19         | 0.149              | 5      | 0.579167   | 0.149             | NO       | NO                | 0.149             | NO       | NO                |                                  |         |       |         |
| 1,1,2,2-Tetrachloroethane                                   | ug/L         | 19         | 0.13               | 5      | 0.494667   | 0.133             | NO       | NO                | 0.133             | NO       | NO                |                                  |         |       |         |
| 1,1,2-Trichloroethane                                       | ug/L         | 19         | 0.158              | 5      | 0.619167   | 0.158             | NO       | NO                | 0.158             | NO       | NO                |                                  |         |       |         |
| 1,1-Dichloroethane                                          | ug/L         | 19         | 0.1                | 5      | 0.534056   | 0.1               | NO       | NO                | 0.1               | NO       | NO                |                                  |         |       |         |
| 1,1-Dichloroethene                                          | ug/L         | 19         | 0.188              | 5      | 0.632778   | 0.188             | NO       | NO                | 0.188             | NO       | NO                |                                  |         |       |         |
| 1,2,4-Trichlorobenzene                                      | ug/L         | 19         | 0.0698             | 10     | 1.026711   | 0.074             | NO       | NO                | 0.0698            | NO       | NO                |                                  |         |       |         |
| 1,2-Dichlorobenzene                                         | ug/L         | 17         | 0.0713             | 10     | 2.094775   | 0.0756            | NO       | NO                | 0.0713            | NO       | NO                |                                  |         |       |         |
| 1,2-Dichloroethane                                          | ug/L         | 19         | 0.0819             | 5      | 0.563456   | 0.0819            | NO       | NO                | 0.0819            | NO       | NO                |                                  |         |       |         |
| 1,2-Dichloroethane-d4                                       | %            | 9          | 75                 | 126    | 104.7333   | 109               | NO       | NO                | 95.8              | NO       | NO                |                                  |         |       |         |
| 1,2-Dichloropropane                                         | ug/L         | 19         | 0.149              | 5      | 0.590778   | 0.149             | NO       | NO                | 0.149             | NO       | NO                |                                  |         |       |         |
| 1,3-Dichlorobenzene                                         | ug/L         | 19         | 0.132              | 10     | 1.076056   | 0.14              | NO       | NO                | 0.132             | NO       | NO                |                                  |         |       |         |
| 1,4-Dichlorobenzene                                         | ug/L         | 19         | 0.0942             | 10     | 1.065061   | 0.0999            | NO       | NO                | 0.0942            | NO       | NO                |                                  |         |       |         |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether) | ug/L         | 16         | 0.21               | 10     | 0.987133   | 0.223             | NO       | NO                | 0.21              | NO       | NO                |                                  |         |       |         |
| 2,4,5-Trichlorophenol                                       | ug/L         | 19         | 0.109              | 11     | 1.379389   | 0.116             | NO       | NO                | 0.109             | NO       | NO                |                                  |         |       |         |
| 2,4,6-Tribromophenol                                        | %            | 9          | 37.1               | 92.9   | 61.53333   | 41.7              | NO       | NO                | 57.7              | NO       | NO                |                                  |         |       |         |
| 2,4,6-Trichlorophenol                                       | ug/L         | 19         | 0.1                | 11     | 1.492833   | 0.106             | NO       | NO                | 0.1               | NO       | NO                |                                  |         |       |         |
| 2,4-Dichlorophenol                                          | ug/L         | 19         | 0.102              | 11     | 1.363778   | 0.108             | NO       | NO                | 0.102             | NO       | NO                |                                  |         |       |         |
| 2,4-Dimethylphenol                                          | ug/L         | 19         | 0.0636             | 11     | 1.528556   | 0.0674            | NO       | NO                | 0.0636            | NO       | NO                |                                  |         |       |         |
| 2,4-Dinitrophenol                                           | ug/L         | 19         | 3.09               | 54     | 9.131111   | 6.29              | NO       | NO                | 5.93              | NO       | NO                |                                  |         |       |         |
| 2,4-Dinitrotoluene                                          | ug/L         | 19         | 0.0983             | 11     | 1.970044   | 0.104             | NO       | NO                | 0.0983            | NO       | NO                |                                  |         |       |         |
| 2,6-Dinitrotoluene                                          | ug/L         | 19         | 0.25               | 11     | 1.4725     | 0.265             | NO       | NO                | 0.25              | NO       | NO                |                                  |         |       |         |
| 2-Butanone (Methyl ethyl ketone) (MEK)                      | ug/L         | 18         | 1.1                | 10     | 2.831176   | 1.19              | NO       | NO                | 1.19              | NO       | NO                |                                  |         |       |         |
| 2-Chloronaphthalene                                         | ug/L         | 19         | 0.0648             | 2.2    | 0.354528   | 0.0687            | NO       | NO                | 0.0648            | NO       | NO                |                                  |         |       |         |
| 2-Chlorophenol                                              | ug/L         | 19         | 0.133              | 11     | 1.465111   | 0.141             | NO       | NO                | 0.133             | NO       | NO                |                                  |         |       |         |
| 2-Fluorobiphenyl                                            | %            | 10         | 45                 | 73.7   | 61.42      | 46.6              | NO       | NO                | 66                | NO       | NO                |                                  |         |       |         |
| 2-Fluorophenol                                              | %            | 9          | 18.7               | 48     | 34.14444   | 25.8              | NO       | NO                | 28.4              | NO       | NO                |                                  |         |       |         |
| 2-Hexanone                                                  | ug/L         | 19         | 0.57               | 10     | 2.700333   | 0.787             | NO       | NO                | 0.787             | NO       | NO                |                                  |         |       |         |
| 2-Methylnaphthalene                                         | ug/L         | 19         | 0.117              | 2.2    | 0.366778   | 0.124             | NO       | NO                | 0.117             | NO       | NO                |                                  |         |       |         |
| 2-Methylphenol                                              | ug/L         | 19         | 0.0929             | 11     | 1.433939   | 0.0985            | NO       | NO                | 0.0929            | NO       | NO                |                                  |         |       |         |
| 2-Nitroaniline                                              | ug/L         | 19         | 0.102              | 54     | 4.701889   | 0.108             | NO       | NO                | 0.102             | NO       | NO                |                                  |         |       |         |
| 2-Nitrophenol                                               | ug/L         | 19         | 0.117              | 11     | 1.410278   | 0.124             | NO       | NO                | 0.117             | NO       | NO                |                                  |         |       |         |
| 3&4-Methylphenol                                            | ug/L         | 18         | 0.168              | 10     | 0.904176   | 0.178             | NO       | NO                | 0.168             | NO       | NO                |                                  |         |       |         |
| 3,3'-Dichlorobenzidine                                      | ug/L         | 19         | 0.212              | 11     | 2.131167   | 0.225             | NO       | NO                | 0.212             | NO       | NO                |                                  |         |       |         |
| 3-Nitroaniline                                              | ug/L         | 19         | 0.0869             | 54     | 4.146028   | 0.0921            | NO       | NO                | 0.0869            | NO       | NO                |                                  |         |       |         |
| 4,6-Dinitro-2-methylphenol                                  | ug/L         | 19         | 1.12               | 54     | 5.964444   | 1.19              | NO       | NO                | 1.12              | NO       | NO                |                                  |         |       |         |
| 4-Bromophenyl phenyl ether                                  | ug/L         | 19         | 0.0877             | 11     | 1.401289   | 0.093             | NO       | NO                | 0.0877            | NO       | NO                |                                  |         |       |         |
| 4-Chloro-3-methylphenol                                     | ug/L         | 19         | 0.131              | 11     | 1.423056   | 0.139             | NO       | NO                | 0.131             | NO       | NO                |                                  |         |       |         |
| 4-Chloroaniline                                             | ug/L         | 19         | 0.234              | 11     | 1.587556   | 0.248             | NO       | NO                | 0.234             | NO       | NO                |                                  |         |       |         |
| 4-Chlorophenyl phenyl ether                                 | ug/L         | 19         | 0.0926             | 11     | 1.373044   | 0.0982            | NO       | NO                | 0.0926            | NO       | NO                |                                  |         |       |         |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)        | ug/L         | 18         | 0.478              | 10     | 1.729059   | 0.478             | NO       | NO                | 0.478             | NO       | NO                |                                  |         |       |         |
| 4-Nitroaniline                                              | ug/L         | 19         | 0.091              | 54     | 4.14725    | 0.0965            | NO       | NO                | 0.091             | NO       | NO                |                                  |         |       |         |
| 4-Nitrophenol                                               | ug/L         | 19         | 0.143              | 54     | 4.831444   | 0.152             | NO       | NO                | 0.143             | NO       | NO                |                                  |         |       |         |
| a,a,a-Trifluorotoluene                                      | %            | 8          | 83.2               | 107    | 94.1125    | 86.3              | NO       | NO                | 90.4              | NO       | NO                |                                  |         |       |         |
| Acenaphthene                                                | ug/L         | 19         | 0.0886             | 2.2    | 0.359972   | 0.0939            | NO       | NO                | 0.0886            | NO       | NO                |                                  |         |       |         |
| Acenaphthylene                                              | ug/L         | 19         | 0.0921             | 2.2    | 0.489661   | 0.0976            | NO       | NO                | 0.0921            | NO       | NO                |                                  |         |       |         |
| Acetone                                                     | ug/L         | 19         | 5                  | 50     | 13.07778   | 11.3              | NO       | NO                | 11.3              | NO       | NO                |                                  |         |       |         |
| Alkalinity, bicarbonate                                     | ug/L         | 19         | 490                | 418000 | 323895.1   | 298000            | NO       | NO                | 297000            | NO       | NO                |                                  |         |       |         |
| Alkalinity, carbonate                                       | ug/L         | 19         | 0.41               | 20000  | 6825.301   | 8450              | NO       | NO                | 8450              | NO       | NO                |                                  |         |       |         |
| Alkalinity, total (as CaCO3)                                | ug/L         | 18         | 517                | 418000 | 343250.9   | 298000            | NO       | NO                | 297000            | NO       | NO                |                                  |         |       |         |
| Ammonia-N                                                   | ug/L         | 13         | 31.7               | 117    | 89.61667   | 117               | NO       | NO                | 117               | NO       | NO                |                                  |         |       |         |
| Anthracene                                                  | ug/L         | 19         | 0.0804             | 2.2    | 0.340644   | 0.0852            | NO       | NO                | 0.0804            | NO       | NO                |                                  |         |       |         |
| Arsenic                                                     | ug/L         | 14         | 0.0354             | 44.1   | 30.14539   | 23.9              | NO       | NO                | 28.2              | NO       | NO                |                                  |         |       |         |
| Arsenic (dissolved)                                         | ug/L         | 18         | 12                 | 50     | 33.01667   | 23                | NO       | NO                | 31.5              | NO       | NO                | 340                              | 0.2     | NO    | YES     |
| Benzene                                                     | ug/L         | 21         | 0.0941             | 5      | 0.653235   | 0.099             | NO       | NO                | 0.0941            | NO       | NO                |                                  |         |       |         |
| Benzo(a)anthracene                                          | ug/L         | 18         | 0.0928             | 1      | 0.225341   | 0.211             | NO       | NO                | 0.199             | NO       | NO                |                                  |         |       |         |
| Benzo(a)pyrene                                              | ug/L         | 18         | 0.0381             | 1      | 0.234071   | 0.0404            | NO       | NO                | 0.0381            | NO       | NO                |                                  |         |       |         |
| Benzo(b)fluoranthene                                        | ug/L         | 18         | 0.0853             | 1      | 0.194194   | 0.138             | NO       | NO                | 0.13              | NO       | NO                |                                  |         |       |         |
| Benzo(g,h,i)perylene                                        | ug/L         | 18         | 0.121              | 1      | 0.219941   | 0.128             | NO       | NO                | 0.121             | NO       | NO                |                                  |         |       |         |
| Benzo(k)fluoranthene                                        | ug/L         | 18         | 0.12               | 1      | 0.285      | 0.127             | NO       | NO                | 0.12              | NO       | NO                |                                  |         |       |         |
| bis(2-Chloroethoxy)methane                                  | ug/L         | 19         | 0.116              | 11     | 1.424333   | 0.123             | NO       | NO                | 0.116             | NO       | NO                |                                  |         |       |         |
| bis(2-Chloroethyl)ether                                     | ug/L         | 19         | 0.137              | 11     | 1.877833   | 0.145             | NO       | NO                | 0.137             | NO       | NO                |                                  |         |       |         |
| bis(2-Ethylhexyl)phthalate (DEHP)                           | ug/L         | 18         | 0.675              | 4.2    | 1.128882   | 0.949             | NO       | NO                | 0.895             | NO       | NO                |                                  |         |       |         |
| Boron                                                       | ug/L         | 4          | 10400              | 11500  | 11000      | 10400             | NO       | NO                | 11100             | NO       | NO                | ---                              | 0.75    | ---   | YES     |
| Bromide                                                     | ug/L         | 20         | 0.2                | 7900   | 2636.797   | 6800              | NO       | NO                | 3530              | NO       | NO                |                                  |         |       |         |
| Bromodichloromethane                                        | ug/L         | 19         | 0.136              | 5      | 0.593222   | 0.136             | NO       | NO                | 0.136             | NO       | NO                |                                  |         |       |         |
| Bromoform                                                   | ug/L         | 19         | 0.129              | 5      | 0.634167   | 0.129             | NO       | NO                | 0.129             | NO       | NO                |                                  |         |       |         |
| Bromomethane (Methyl bromide)                               | ug/L         | 18         | 0.605              | 5      | 1.029529   | 0.605             | NO       | NO                | 0.605             | NO       | NO                |                                  |         |       |         |
| Butyl benzylphthalate (BBP)                                 | ug/L         | 18         | 0.262              | 3      | 0.820176   | 0.811             | NO       | NO                | 0.765             | NO       | NO                |                                  |         |       |         |
| Cadmium                                                     | ug/L         | 4          | 0.163              | 2.7    | 0.8875     | 0.188             | NO       | NO                | 0.499             | NO       | NO                |                                  |         |       |         |
| Cadmium (dissolved)                                         | ug/L         | 12         | 0.00095            | 4.4    | 0.661746   | 0.189             | NO       | NO                | 0.8               | NO       | NO                | 9.99                             | 6.54    | NO    | NO      |
| Calcium                                                     | ug/L         | 7          | 51900              | 64100  | 57785.71   | 60900             | NO       | NO                | 64100             | NO       | NO                |                                  |         |       |         |
| Carbazole                                                   | ug/L         | 19         | 0.111              | 11     | 1.337444   | 0.118             | NO       | NO                | 0.111             | NO       | NO                |                                  |         |       |         |
| Carbon disulfide                                            | ug/L         | 19         | 0.0962             | 5      | 0.547911   | 0.147             | NO       | NO                | 0.0962            | NO       | NO                |                                  |         |       |         |
| Carbon tetrachloride                                        | ug/L         | 19         | 0.128              | 5      | 0.598722   | 0.128             | NO       | NO                | 0.128             | NO       | NO                |                                  |         |       |         |
| Chloride                                                    | ug/L         | 20         | 66                 | 90900  | 70495.87   | 71500             | NO       | NO                | 76300             | NO       | NO                | ---                              | 250     | ---   | YES     |
| Chlorobenzene                                               | ug/L         | 19         | 0.116              | 5      | 0.549667   | 0.116             | NO       | NO                | 0.116             | NO       | NO                |                                  |         |       |         |
| Chloroethane                                                | ug/L         | 19         | 0.192              | 5      | 0.858722   | 0.192             | NO       | NO                | 0.192             | NO       | NO                |                                  |         |       |         |
| Chloroform (Trichloromethane)                               | ug/L         | 18         | 0.111              | 5      | 0.538588   | 0.111             | NO       | NO                | 0.111             | NO       | NO                |                                  |         |       |         |
| Chloromethane (Methyl chloride)                             | ug/L         | 18         | 0.276              | 2.5    | 0.794824   | 0.96              | NO       | NO                | 0.96              | NO       | NO                |                                  |         |       |         |
| Chromium                                                    | ug/L         | 13         | 0.23               | 20     | 4.643538   | 5.6               | NO       | NO                | 5.6               | NO       | NO                |                                  |         |       |         |
| Chromium (dissolved)                                        | ug/L         | 12         | 0.0205             | 28     | 4.105375   | 5.6               | NO       | NO                | 28                | NO       | NO                | 1773                             | 231     | NO    | NO      |
| Chromium III (trivalent)                                    | ug/L         | 3          | 3                  | 3      | 3          | 3                 | NO       | NO                | 3                 | NO       | NO                |                                  |         |       |         |
| Chromium VI (hexavalent)                                    | ug/L         | 3          | 3                  | 3      | 3          | 3                 | NO       | NO                | 3                 | NO       | NO                |                                  |         |       |         |
| Chrysene                                                    | ug/L         | 19         | 0.13               | 2.2    | 0.388111   | 0.138             | NO       | NO                | 0.13              | NO       | NO                |                                  |         |       |         |
| cis-1,2-Dichloroethene                                      | ug/L         | 17         | 0.126              | 1      | 0.252625   | 0.34              | NO       | NO                | 0.126             | NO       | NO                |                                  |         |       |         |
| cis-1,3-Dichloropropene                                     | ug/L         | 19         | 0.111              | 5      | 0.585778   | 0.111             | NO       | NO                | 0.111             | NO       | NO                |                                  |         |       |         |
| Conductance, specific                                       | umhos/cm     | 18         | 8300               | 86000  | 14357.78   | 9260              | NO       | NO                | 9220              | NO       | NO                |                                  |         |       |         |
| Copper (dissolved)                                          | ug/L         | 12         | 0.0132             | 19.5   | 5.06235    | 0.67              | NO       | NO                | 5.21              | NO       | NO                | 49.6                             | 29.3    | NO    | NO      |
| Cyanide (amenable)                                          | ug/L         | 3          | 1.8                | 1.8    | 1.8        | 1.8               | NO       | NO                | 1.8               |          |                   |                                  |         |       |         |



| LW-LM 2024 Data vs Historic Data Summary   |              |            |                    |         |            |                   |                   |                   |                   |                   |                   |                                  |         |       |         |
|--------------------------------------------|--------------|------------|--------------------|---------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------------------|---------|-------|---------|
| Analyte                                    | Result Units | Count<br>n | Summary Statistics |         |            | Date<br>10/8/2024 |                   |                   | Date<br>5/15/2024 |                   |                   | TVS Standards<br>2024 Exceedance |         |       |         |
|                                            |              |            | ResultMin          | Max     | Result Avg | Result            | Below<br>Avg. Min | Above<br>Avg. Max | Result            | Below<br>Avg. Min | Above<br>Avg. Max | Acute                            | Chronic | Acute | Chronic |
|                                            |              |            |                    |         |            |                   |                   |                   |                   |                   |                   |                                  |         |       |         |
| Di-n-octyl phthalate (DnOP)                | ug/L         | 18         | 0.265              | 3       | 0.916118   | 0.988             | NO                | NO                | 0.932             | NO                | NO                |                                  |         |       |         |
| Dibenz(a,h)anthracene                      | ug/L         | 19         | 0.0644             | 2.2     | 0.332428   | 0.0683            | NO                | NO                | 0.0644            | NO                | NO                |                                  |         |       |         |
| Dibenzofuran                               | ug/L         | 19         | 0.097              | 11      | 1.397722   | 0.103             | NO                | NO                | 0.097             | NO                | NO                |                                  |         |       |         |
| Dibromochloromethane                       | ug/L         | 19         | 0.14               | 5       | 0.558833   | 0.14              | NO                | NO                | 0.14              | NO                | NO                |                                  |         |       |         |
| Diesel fuel                                | ug/L         | 18         | 1020               | 3410    | 2189.444   | 1360              | NO                | NO                | 1020              | NO                | NO                |                                  |         |       |         |
| Diethyl phthalate                          | ug/L         | 19         | 0.282              | 11      | 1.212611   | 0.304             | NO                | NO                | 0.287             | NO                | NO                |                                  |         |       |         |
| Dimethyl phthalate                         | ug/L         | 19         | 0.26               | 11      | 1.117944   | 0.276             | NO                | NO                | 0.26              | NO                | NO                |                                  |         |       |         |
| Ethylbenzene                               | ug/L         | 21         | 0.137              | 5       | 0.6702     | 0.137             | NO                | NO                | 0.137             | NO                | NO                |                                  |         |       |         |
| Fluoranthene                               | ug/L         | 19         | 0.102              | 2.2     | 0.359944   | 0.108             | NO                | NO                | 0.102             | NO                | NO                |                                  |         |       |         |
| Fluorene                                   | ug/L         | 19         | 0.0844             | 2.2     | 0.357772   | 0.0895            | NO                | NO                | 0.0844            | NO                | NO                |                                  |         |       |         |
| Fluoride (dissolved)                       | ug/L         | 12         | 10                 | 11600   | 8067.5     | 7910              | NO                | NO                | 8590              | NO                | NO                |                                  |         |       |         |
| Gasoline                                   | ug/L         | 10         | 31.4               | 57.4    | 35.12222   | 57.4              | NO                | NO                | 31.4              | NO                | NO                |                                  |         |       |         |
| Hardness                                   | ug/L         | 17         | 216                | 526000  | 296170.4   | 349000            | NO                | NO                | 384000            | NO                | NO                |                                  |         |       |         |
| Hexachlorobenzene                          | ug/L         | 19         | 0.0755             | 11      | 0.869167   | 0.08              | NO                | NO                | 0.0755            | NO                | NO                |                                  |         |       |         |
| Hexachlorobutadiene                        | ug/L         | 19         | 0.0968             | 11      | 1.392489   | 0.103             | NO                | NO                | 0.0968            | NO                | NO                |                                  |         |       |         |
| Hexachlorocyclopentadiene                  | ug/L         | 19         | 0.0598             | 11      | 2.169011   | 0.0634            | NO                | NO                | 0.0598            | NO                | NO                |                                  |         |       |         |
| Hexachloroethane                           | ug/L         | 19         | 0.127              | 11      | 1.443778   | 0.135             | NO                | NO                | 0.127             | NO                | NO                |                                  |         |       |         |
| Indeno(1,2,3-cd)pyrene                     | ug/L         | 18         | 0.266              | 1       | 0.349471   | 0.296             | NO                | NO                | 0.279             | NO                | NO                |                                  |         |       |         |
| Iron                                       | ug/L         | 14         | 0.0863             | 500     | 86.15616   | 47.7              | NO                | NO                | 44.7              | NO                | NO                |                                  |         |       |         |
| Iron (dissolved)                           | ug/L         | 18         | 15                 | 2240    | 220.2471   | 44.7              | NO                | NO                | 224               | NO                | NO                | ---                              | 300     | ---   | NO      |
| Isophorone                                 | ug/L         | 19         | 0.143              | 11      | 1.383167   | 0.152             | NO                | NO                | 0.143             | NO                | NO                |                                  |         |       |         |
| Lead                                       | ug/L         | 4          | 0.513              | 10      | 2.88475    | 0.513             | NO                | NO                | 0.513             | NO                | NO                |                                  |         |       |         |
| Lead (dissolved)                           | ug/L         | 12         | 0.00021            | 5.2     | 0.991101   | 0.513             | NO                | NO                | 2.56              | NO                | NO                | 281                              | 10.9    | NO    | NO      |
| Magnesium                                  | ug/L         | 7          | 43000              | 54400   | 47800      | 47900             | NO                | NO                | 54400             | NO                | NO                |                                  |         |       |         |
| Manganese (dissolved)                      | ug/L         | 12         | 0.0286             | 37      | 14.43738   | 15.4              | NO                | NO                | 4.91              | NO                | NO                | 4738                             | 2618    | NO    | NO      |
| Mercury                                    | ug/L         | 5          | 0.0002             | 0.1     | 0.06684    | 0.1               | NO                | NO                | 0.1               | NO                | NO                |                                  |         |       |         |
| Methylene chloride                         | ug/L         | 19         | 0.43               | 5       | 1.196667   | 0.43              | NO                | NO                | 0.43              | NO                | NO                |                                  |         |       |         |
| Molybdenum                                 | ug/L         | 3          | 2050               | 2120    | 2090       | 2050              | NO                | NO                | 2120              | NO                | NO                | ---                              | 150     | ---   | YES     |
| N-Nitrosodi-n-propylamine                  | ug/L         | 19         | 0.261              | 11      | 1.480389   | 0.277             | NO                | NO                | 0.261             | NO                | NO                |                                  |         |       |         |
| N-Nitrosodiphenylamine                     | ug/L         | 19         | 0.289              | 11      | 2.691167   | 2.51              | NO                | NO                | 2.37              | NO                | NO                |                                  |         |       |         |
| Naphthalene                                | ug/L         | 19         | 0.159              | 2.2     | 0.413722   | 0.169             | NO                | NO                | 0.159             | NO                | NO                |                                  |         |       |         |
| Nickel                                     | ug/L         | 3          | 0.742              | 0.861   | 0.797333   | 0.742             | NO                | NO                | 0.861             | NO                | NO                | 1513                             | 168     | NO    | NO      |
| Nitrate (as N)                             | ug/L         | 19         | 0.82               | 6570    | 965.1011   | 884               | NO                | NO                | 480               | NO                | NO                |                                  |         |       |         |
| Nitrite (as N)                             | ug/L         | 19         | 0.12               | 794     | 191.89     | 794               | NO                | NO                | 584               | NO                | NO                |                                  |         |       |         |
| Nitrobenzene                               | ug/L         | 19         | 0.297              | 22      | 2.146778   | 0.315             | NO                | NO                | 0.297             | NO                | NO                |                                  |         |       |         |
| Nitrobenzene-D5                            | %            | 9          | 36.9               | 74.4    | 59.85556   | 36.9              | NO                | NO                | 64                | NO                | NO                |                                  |         |       |         |
| o-Terphenyl                                | %            | 9          | 67.9               | 133     | 108.2111   | 123               | NO                | NO                | 67.9              | NO                | NO                |                                  |         |       |         |
| Oil and grease                             | ug/L         | 14         | 1160               | 5560    | 1816.154   | 1650              | NO                | NO                | 1270              | NO                | NO                |                                  |         |       |         |
| p-Bromofluorobenzene                       | %            | 9          | 77                 | 112     | 98.94444   | 107               | NO                | NO                | 107               | NO                | NO                |                                  |         |       |         |
| p-Terphenyl-d14                            | %            | 8          | 47                 | 88.9    | 66.8375    | 54.7              | NO                | NO                | 62.1              | NO                | NO                |                                  |         |       |         |
| Pentachlorophenol                          | ug/L         | 19         | 0.298              | 11      | 1.711778   | 0.332             | NO                | NO                | 0.313             | NO                | NO                |                                  |         |       |         |
| pH                                         | s.u.         | 18         | 7.36               | 8.36    | 8.06       | 8.09              | NO                | NO                | 8.2               | NO                | NO                |                                  |         |       |         |
| Phenanthrene                               | ug/L         | 19         | 0.112              | 2.2     | 0.397722   | 0.119             | NO                | NO                | 0.112             | NO                | NO                |                                  |         |       |         |
| Phenol                                     | ug/L         | 19         | 0.318              | 11      | 3.970333   | 4.59              | NO                | NO                | 4.33              | NO                | NO                |                                  |         |       |         |
| Phenol-d5                                  | %            | 9          | 14.3               | 50      | 24.77778   | 17.2              | NO                | NO                | 20.2              | NO                | NO                |                                  |         |       |         |
| Phenolics (total)                          | ug/L         | 14         | 0.01               | 223     | 26.049     | 8.3               | NO                | NO                | 8.3               | NO                | NO                |                                  |         |       |         |
| Phosphorus                                 | ug/L         | 19         | 0.055              | 140     | 54.9975    | 35                | NO                | NO                | 35                | NO                | NO                |                                  |         |       |         |
| Pyrene                                     | ug/L         | 19         | 0.107              | 2.2     | 0.371278   | 0.113             | NO                | NO                | 0.107             | NO                | NO                |                                  |         |       |         |
| Selenium (dissolved)                       | ug/L         | 19         | 0.016              | 21.8    | 7.272947   | 4.23              | NO                | NO                | 5.74              | NO                | NO                | 18.4                             | 4.6     | NO    | YES     |
| Silica                                     | ug/L         | 17         | 12500              | 19700   | 17029.41   | 12600             | NO                | NO                | 12500             | NO                | NO                |                                  |         |       |         |
| Silicon                                    | ug/L         | 18         | 5840               | 9190    | 8016.667   | 5870              | NO                | NO                | 5840              | NO                | NO                |                                  |         |       |         |
| Silver (dissolved)                         | ug/L         | 4          | 0.00015            | 0.72    | 0.252038   | 0.144             | NO                | NO                | 0.72              | NO                | NO                | 22                               | 3.5     | NO    | NO      |
| Styrene                                    | ug/L         | 19         | 0.118              | 5       | 0.540722   | 0.118             | NO                | NO                | 0.118             | NO                | NO                |                                  |         |       |         |
| Sulfate                                    | ug/L         | 20         | 3020               | 5100000 | 3787031    | 4130000           | NO                | NO                | 4260000           | NO                | NO                | ---                              | 250     | ---   | YES     |
| Sulfide                                    | ug/L         | 19         | 1.8                | 50      | 16.77778   | 25                | NO                | NO                | 25                | NO                | NO                |                                  |         |       |         |
| Tetrachloroethene                          | ug/L         | 19         | 0.3                | 5       | 0.656889   | 0.3               | NO                | NO                | 0.3               | NO                | NO                |                                  |         |       |         |
| Toluene                                    | ug/L         | 21         | 0.278              | 5       | 0.7847     | 0.278             | NO                | NO                | 0.278             | NO                | NO                |                                  |         |       |         |
| Toluene-D8                                 | %            | 9          | 94                 | 124     | 107.4556   | 99.1              | NO                | NO                | 116               | NO                | NO                |                                  |         |       |         |
| Total dissolved solids (TDS)               | ug/L         | 19         | 5250               | 7470000 | 6102218    | 7310000           | NO                | NO                | 7240000           | NO                | NO                |                                  |         |       |         |
| Total organic carbon (TOC)                 | ug/L         | 18         | 21.9               | 68300   | 15608.99   | 8610              | NO                | NO                | 9630              | NO                | NO                |                                  |         |       |         |
| Total suspended solids (TSS)               | ug/L         | 10         | 1200               | 6100    | 2588.889   | 1200              | NO                | NO                | 2500              | NO                | NO                |                                  |         |       |         |
| trans-1,2-Dichloroethene                   | ug/L         | 17         | 0.149              | 1       | 0.31025    | 0.149             | NO                | NO                | 0.149             | NO                | NO                |                                  |         |       |         |
| trans-1,3-Dichloropropene                  | ug/L         | 19         | 0.118              | 5       | 0.580944   | 0.118             | NO                | NO                | 0.118             | NO                | NO                |                                  |         |       |         |
| Trichloroethene                            | ug/L         | 19         | 0.19               | 5       | 0.619056   | 0.227             | NO                | NO                | 0.19              | NO                | NO                |                                  |         |       |         |
| Uranium (dissolved)                        | ug/L         | 3          | 3.28               | 3.76    | 3.496667   | 3.28              | NO                | NO                | 3.45              | NO                | NO                | 11070                            | 6915    | NO    | NO      |
| Vinyl chloride                             | ug/L         | 19         | 0.234              | 5       | 0.610278   | 0.234             | NO                | NO                | 0.234             | NO                | NO                |                                  |         |       |         |
| Xylenes (total)                            | ug/L         | 18         | 0.174              | 3       | 0.794824   | 0.174             | NO                | NO                | 0.174             | NO                | NO                |                                  |         |       |         |
| Zinc (dissolved)                           | ug/L         | 12         | 0.0036             | 39.8    | 10.6028    | 7.96              | NO                | NO                | 39.8              | NO                | NO                | 564                              | 428     | NO    | NO      |
| Conductivity, field                        | uS/cm        | 11         | 9007               | 10063   | 9335.273   | 9023              | NO                | NO                | 9035              | NO                | NO                |                                  |         |       |         |
| Dissolved oxygen (DO), field               | mg/L         | 10         | 4.77               | 9.32    | 6.641      | 5.62              | NO                | NO                | 8.3               | NO                | NO                |                                  |         |       |         |
| Oxidation reduction potential (ORP), field | millivolts   | 11         | -83                | 192.6   | 64.29091   | 136               | NO                | NO                | 192.6             | NO                | NO                |                                  |         |       |         |
| pH, field                                  | s.u.         | 11         | 6.46               | 8.44    | 7.84       | 7.86              | NO                | NO                | 8.28              | NO                | NO                |                                  |         |       |         |
| Temperature, ambient                       | Deg F        | 11         | 37                 | 65      | 58.81818   | 65                | NO                | NO                | 60                | NO                | NO                |                                  |         |       |         |
| Temperature, sample                        | Deg C        | 8          | 10.7               | 17.4    | 15.0875    | 17.4              | NO                | NO                | 11.6              | NO                | NO                |                                  |         |       |         |
| Turbidity, field                           | NTU          | 11         | 0.75               | 7.61    | 3.3        | 1.29              | NO                | NO                | 7.33              | NO                | NO                |                                  |         |       |         |

Note: Water quality standards for the metals: cadmium, chromium III, lead, manganese, nickel, silver, uranium, and zinc were calculated using Table Value Standards in accordance with Colorado WQCD specifications; a hardness of 400 mg/L (a Roan Creek sample collected in 2002 showed a calculated hardness of 608 mg/L). Also note that samples were analyzed for dissolved chromium, not trivalent or hexavalent species; the standard was applied to dissolved chromium.

| LW-Pond 2024 Data vs Historic Data Summary                  |              |       |                    |         |            |           |                |                |         |                 |                |               |         |       |         |
|-------------------------------------------------------------|--------------|-------|--------------------|---------|------------|-----------|----------------|----------------|---------|-----------------|----------------|---------------|---------|-------|---------|
| Analyte                                                     | Result Units | Count | Summary Statistics |         |            | Date      |                |                | Date    |                 |                | TVS Standards |         |       |         |
|                                                             |              | (n)   | Min                | Max     | Avg        | 10/8/2024 |                | 5/15/2024      |         | 2024 Exceedance |                |               |         |       |         |
|                                                             |              |       |                    |         |            | Value     | Below Avg. Min | Above Avg. Max | Value   | Below Avg. Min  | Above Avg. Max | Acute         | Chronic | Acute | Chronic |
| 1,1,1-Trichloroethane                                       | ug/L         | 12    | 0.149              | 0.745   | 0.2882727  | 0.745     | NO             | NO             | 0.745   | NO              | NO             |               |         |       |         |
| 1,1,2,2-Tetrachloroethane                                   | ug/L         | 12    | 0.13               | 0.665   | 0.2291818  | 0.665     | NO             | NO             | 0.665   | NO              | NO             |               |         |       |         |
| 1,1,2-Trichloroethane                                       | ug/L         | 12    | 0.158              | 0.79    | 0.3138182  | 0.79      | NO             | NO             | 0.79    | NO              | NO             |               |         |       |         |
| 1,1-Dichloroethane                                          | ug/L         | 12    | 0.1                | 0.5     | 0.2016364  | 0.5       | NO             | NO             | 0.5     | NO              | NO             |               |         |       |         |
| 1,1-Dichloroethene                                          | ug/L         | 12    | 0.188              | 0.94    | 0.3629091  | 0.94      | NO             | NO             | 0.94    | NO              | NO             |               |         |       |         |
| 1,2,4-Trichlorobenzene                                      | ug/L         | 12    | 0.0698             | 0.394   | 0.1315818  | 0.0698    | NO             | NO             | 0.0698  | NO              | NO             |               |         |       |         |
| 1,2-Dichlorobenzene                                         | ug/L         | 12    | 0.0713             | 3.65    | 0.6957636  | 0.0713    | NO             | NO             | 0.0713  | NO              | NO             |               |         |       |         |
| 1,2-Dichloroethane                                          | ug/L         | 12    | 0.0819             | 0.409   | 0.1921182  | 0.409     | NO             | NO             | 0.409   | NO              | NO             |               |         |       |         |
| 1,2-Dichloroethane-d4                                       | %            | 9     | 99.5               | 129     | 112.16667  | 117       | NO             | NO             | 101     | NO              | NO             |               |         |       |         |
| 1,2-Dichloropropane                                         | ug/L         | 12    | 0.149              | 0.745   | 0.2859091  | 0.745     | NO             | NO             | 0.745   | NO              | NO             |               |         |       |         |
| 1,3-Dichlorobenzene                                         | ug/L         | 12    | 0.132              | 0.425   | 0.1934545  | 0.132     | NO             | NO             | 0.132   | NO              | NO             |               |         |       |         |
| 1,4-Dichlorobenzene                                         | ug/L         | 12    | 0.0942             | 0.445   | 0.1625091  | 0.0942    | NO             | NO             | 0.0942  | NO              | NO             |               |         |       |         |
| 2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether) | ug/L         | 10    | 0.21               | 0.494   | 0.291      | 0.21      | NO             | NO             | 0.21    | NO              | NO             |               |         |       |         |
| 2,4,5-Trichlorophenol                                       | ug/L         | 12    | 0.109              | 0.262   | 0.1443636  | 0.109     | NO             | NO             | 0.109   | NO              | NO             |               |         |       |         |
| 2,4,6-Tribromophenol                                        | %            | 9     | 22.3               | 68.5    | 42.588889  | 22.3      | NO             | NO             | 44.4    | NO              | NO             |               |         |       |         |
| 2,4,6-Trichlorophenol                                       | ug/L         | 12    | 0.1                | 0.33    | 0.1479091  | 0.1       | NO             | NO             | 0.1     | NO              | NO             |               |         |       |         |
| 2,4-Dichlorophenol                                          | ug/L         | 12    | 0.102              | 0.315   | 0.1471818  | 0.102     | NO             | NO             | 0.102   | NO              | NO             |               |         |       |         |
| 2,4-Dimethylphenol                                          | ug/L         | 12    | 0.0636             | 0.693   | 0.1775273  | 0.0636    | NO             | NO             | 0.0636  | NO              | NO             |               |         |       |         |
| 2,4-Dinitrophenol                                           | ug/L         | 12    | 3.25               | 11.9    | 6.0181818  | 5.93      | NO             | NO             | 5.93    | NO              | NO             |               |         |       |         |
| 2,4-Dinitrotoluene                                          | ug/L         | 12    | 0.0983             | 1.83    | 0.4057636  | 0.0983    | NO             | NO             | 0.0983  | NO              | NO             |               |         |       |         |
| 2,6-Dinitrotoluene                                          | ug/L         | 12    | 0.25               | 0.5     | 0.2808182  | 0.25      | NO             | NO             | 0.25    | NO              | NO             |               |         |       |         |
| 2-Butanone (Methyl ethyl ketone) (MEK)                      | ug/L         | 12    | 1.19               | 6.14    | 3.6727273  | 5.95      | NO             | NO             | 5.95    | NO              | NO             |               |         |       |         |
| 2-Chloronaphthalene                                         | ug/L         | 12    | 0.0648             | 0.366   | 0.1222182  | 0.0648    | NO             | NO             | 0.0648  | NO              | NO             |               |         |       |         |
| 2-Chlorophenol                                              | ug/L         | 12    | 0.133              | 0.314   | 0.1751818  | 0.133     | NO             | NO             | 0.133   | NO              | NO             |               |         |       |         |
| 2-Fluorobiphenyl                                            | %            | 9     | 18.1               | 60.2    | 39.444444  | 18.1      | NO             | NO             | 46.7    | NO              | NO             |               |         |       |         |
| 2-Fluorophenol                                              | %            | 9     | 17.9               | 48.2    | 33.977778  | 20.8      | NO             | NO             | 35.2    | NO              | NO             |               |         |       |         |
| 2-Hexanone                                                  | ug/L         | 12    | 0.787              | 3.94    | 1.9117273  | 3.94      | NO             | NO             | 3.94    | NO              | NO             |               |         |       |         |
| 2-Methylnaphthalene                                         | ug/L         | 12    | 0.117              | 0.345   | 0.166      | 0.117     | NO             | NO             | 0.117   | NO              | NO             |               |         |       |         |
| 2-Methylphenol                                              | ug/L         | 12    | 0.0929             | 0.346   | 0.1480273  | 0.134     | NO             | NO             | 0.0929  | NO              | NO             |               |         |       |         |
| 2-Nitroaniline                                              | ug/L         | 12    | 0.102              | 2.11    | 0.4572727  | 0.102     | NO             | NO             | 0.102   | NO              | NO             |               |         |       |         |
| 2-Nitrophenol                                               | ug/L         | 12    | 0.117              | 0.355   | 0.1677273  | 0.117     | NO             | NO             | 0.117   | NO              | NO             |               |         |       |         |
| 3&4-Methylphenol                                            | ug/L         | 12    | 0.168              | 0.336   | 0.2040909  | 0.172     | NO             | NO             | 0.168   | NO              | NO             |               |         |       |         |
| 3,3'-Dichlorobenzidine                                      | ug/L         | 12    | 0.212              | 2.24    | 0.58       | 0.212     | NO             | NO             | 0.212   | NO              | NO             |               |         |       |         |
| 3-Nitroaniline                                              | ug/L         | 12    | 0.0869             | 0.342   | 0.1381091  | 0.0869    | NO             | NO             | 0.0869  | NO              | NO             |               |         |       |         |
| 4,6-Dinitro-2-methylphenol                                  | ug/L         | 12    | 1.12               | 2.91    | 1.5209091  | 1.12      | NO             | NO             | 1.12    | NO              | NO             |               |         |       |         |
| 4-Bromophenyl phenyl ether                                  | ug/L         | 12    | 0.0877             | 0.372   | 0.1439636  | 0.0877    | NO             | NO             | 0.0877  | NO              | NO             |               |         |       |         |
| 4-Chloro-3-methylphenol                                     | ug/L         | 12    | 0.131              | 0.292   | 0.1695455  | 0.131     | NO             | NO             | 0.131   | NO              | NO             |               |         |       |         |
| 4-Chloroaniline                                             | ug/L         | 12    | 0.234              | 0.468   | 0.286      | 0.234     | NO             | NO             | 0.234   | NO              | NO             |               |         |       |         |
| 4-Chlorophenyl phenyl ether                                 | ug/L         | 12    | 0.0926             | 0.336   | 0.1422545  | 0.0926    | NO             | NO             | 0.0926  | NO              | NO             |               |         |       |         |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)        | ug/L         | 12    | 0.478              | 2.39    | 1.1278182  | 2.39      | NO             | NO             | 2.39    | NO              | NO             |               |         |       |         |
| 4-Nitroaniline                                              | ug/L         | 12    | 0.091              | 0.387   | 0.1496364  | 0.091     | NO             | NO             | 0.091   | NO              | NO             |               |         |       |         |
| 4-Nitrophenol                                               | ug/L         | 12    | 0.143              | 2.23    | 0.5154545  | 0.143     | NO             | NO             | 0.143   | NO              | NO             |               |         |       |         |
| a,a,a-Trifluorotoluene                                      | %            | 9     | 84.4               | 106     | 94.733333  | 84.4      | NO             | NO             | 89.7    | NO              | NO             |               |         |       |         |
| Acenaphthene                                                | ug/L         | 12    | 0.0886             | 0.351   | 0.1411636  | 0.0886    | NO             | NO             | 0.0886  | NO              | NO             |               |         |       |         |
| Acenaphthylene                                              | ug/L         | 12    | 0.0921             | 1.43    | 0.3514909  | 0.0921    | NO             | NO             | 0.0921  | NO              | NO             |               |         |       |         |
| Acetone                                                     | ug/L         | 12    | 11.3               | 69.4    | 33.783333  | 56.5      | NO             | NO             | 56.5    | NO              | NO             |               |         |       |         |
| Alkalinity, bicarbonate                                     | ug/L         | 12    | 312000             | 2900000 | 975666.67  | 1060000   | NO             | NO             | 939000  | NO              | NO             |               |         |       |         |
| Alkalinity, carbonate                                       | ug/L         | 12    | 64300              | 2430000 | 1429025    | 2430000   | NO             | NO             | 1220000 | NO              | NO             |               |         |       |         |
| Alkalinity, total (as CaCO3)                                | ug/L         | 12    | 376000             | 5240000 | 2403000    | 3490000   | NO             | NO             | 2160000 | NO              | NO             |               |         |       |         |
| Ammonia-N                                                   | ug/L         | 12    | 31.7               | 215     | 132.363636 | 205       | NO             | NO             | 117     | NO              | NO             |               |         |       |         |
| Anthracene                                                  | ug/L         | 12    | 0.0804             | 0.323   | 0.1289273  | 0.0804    | NO             | NO             | 0.0804  | NO              | NO             |               |         |       |         |
| Arsenic                                                     | ug/L         | 4     | 37.5               | 648     | 347.125    | 648       | NO             | NO             | 269     | NO              | NO             |               |         |       |         |
| Arsenic (dissolved)                                         | ug/L         | 12    | 47.7               | 637     | 338.64167  | 637       | NO             | NO             | 290     | NO              | NO             | 340           | 0.2     | YES   | YES     |
| Benzene                                                     | ug/L         | 12    | 0.0941             | 0.471   | 0.2057     | 0.471     | NO             | NO             | 0.471   | NO              | NO             |               |         |       |         |
| Benzo(a)anthracene                                          | ug/L         | 12    | 0.0975             | 0.398   | 0.1995909  | 0.199     | NO             | NO             | 0.199   | NO              | NO             |               |         |       |         |
| Benzo(a)pyrene                                              | ug/L         | 12    | 0.0381             | 0.377   | 0.0998182  | 0.0381    | NO             | NO             | 0.0381  | NO              | NO             |               |         |       |         |
| Benzo(b)fluoranthene                                        | ug/L         | 12    | 0.0896             | 0.26    | 0.1353727  | 0.13      | NO             | NO             | 0.13    | NO              | NO             |               |         |       |         |
| Benzo(g,h,i)perylene                                        | ug/L         | 12    | 0.121              | 0.265   | 0.1487273  | 0.121     | NO             | NO             | 0.121   | NO              | NO             |               |         |       |         |
| Benzo(k)fluoranthene                                        | ug/L         | 12    | 0.12               | 0.394   | 0.1771818  | 0.12      | NO             | NO             | 0.12    | NO              | NO             |               |         |       |         |
| bis(2-Chloroethoxy)methane                                  | ug/L         | 12    | 0.116              | 0.365   | 0.1685455  | 0.116     | NO             | NO             | 0.116   | NO              | NO             |               |         |       |         |
| bis(2-Chloroethyl)ether                                     | ug/L         | 12    | 0.137              | 1.8     | 0.4354545  | 0.137     | NO             | NO             | 0.137   | NO              | NO             |               |         |       |         |
| bis(2-Ethylhexyl)phthalate (DEHP)                           | ug/L         | 12    | 0.709              | 1.79    | 0.9980909  | 0.895     | NO             | NO             | 0.895   | NO              | NO             |               |         |       |         |
| Boron                                                       | ug/L         | 3     | 164000             | 438000  | 280000     | 438000    | NO             | NO             | 164000  | NO              | NO             | ---           | 0.75    | ---   | YES     |
| Bromide                                                     | ug/L         | 12    | 3530               | 680000  | 103009.09  | 680000    | NO             | NO             | 3530    | NO              | NO             |               |         |       |         |
| Bromodichloromethane                                        | ug/L         | 12    | 0.136              | 0.68    | 0.2792727  | 0.68      | NO             | NO             | 0.68    | NO              | NO             |               |         |       |         |
| Bromoform                                                   | ug/L         | 12    | 0.129              | 0.645   | 0.2846364  | 0.645     | NO             | NO             | 0.645   | NO              | NO             |               |         |       |         |
| Bromomethane (Methyl bromide)                               | ug/L         | 12    | 0.605              | 3.03    | 1.0933636  | 3.03      | NO             | NO             | 3.03    | NO              | NO             |               |         |       |         |
| Butyl benzylphthalate (BBP)                                 | ug/L         | 12    | 0.275              | 1.53    | 0.7481818  | 0.765     | NO             | NO             | 0.765   | NO              | NO             |               |         |       |         |
| Cadmium                                                     | ug/L         | 3     | 3.2                | 8       | 5.88       | 6.44      | NO             | NO             | 3.2     | NO              | NO             |               |         |       |         |
| Cadmium (dissolved)                                         | ug/L         | 4     | 0.444              | 7.36    | 4.6385     | 5.39      | NO             | NO             | 7.36    | NO              | NO             | 9.99          | 6.54    | NO    | YES     |
| Calcium                                                     | ug/L         | 6     | 42800              | 163000  | 84233.333  | 71200     | NO             | NO             | 67800   | NO              | NO             |               |         |       |         |
| Carbazole                                                   | ug/L         | 12    | 0.111              | 0.289   | 0.1508182  | 0.111     | NO             | NO             | 0.111   | NO              | NO             |               |         |       |         |
| Carbon disulfide                                            | ug/L         | 12    | 0.0962             | 6.99    | 0.8433818  | 0.481     | NO             | NO             | 6.99    | NO              | NO             |               |         |       |         |
| Carbon tetrachloride                                        | ug/L         | 12    | 0.128              | 0.64    | 0.2667273  | 0.64      | NO             | NO             | 0.64    | NO              | NO             |               |         |       |         |
| Chloride                                                    | ug/L         | 12    | 51.9               | 8860000 | 1772721    | 8860000   | NO             | NO             | 1190000 | NO              | NO             | ---           | 250     | ---   | YES     |
| Chlorobenzene                                               | ug/L         | 12    | 0.116              | 0.58    | 0.2425455  | 0.58      | NO             | NO             | 0.58    | NO              | NO             |               |         |       |         |
| Chloroethane                                                | ug/L         | 12    | 0.192              | 0.96    | 0.3790909  | 0.96      | NO             | NO             | 0.96    | NO              | NO             |               |         |       |         |
| Chloroform (Trichloromethane)                               | ug/L         | 12    | 0.111              | 0.555   | 0.2304545  | 0.555     | NO             | NO             | 0.555   | NO              | NO             |               |         |       |         |
| Chloromethane (Methyl chloride)                             | ug/L         | 12    | 0.276              | 4.8     | 1.5338182  | 4.8       | NO             | NO             | 4.8     | NO              | NO             |               |         |       |         |
| Chromium                                                    | ug/L         | 4     | 0.32               | 280     | 112.08     | 56        | NO             | NO             | 112     | NO              | NO             |               |         |       |         |
| Chromium (dissolved)                                        | ug/L         | 4     | 0.952              | 56      | 35.238     | 56        | NO             | NO             | 56      | NO              | NO             | 1773          | 231     | NO    | NO      |
| Chromium III (trivalent)                                    | ug/L         | 3     | 3                  | 3       | 3          | 3         | NO             | NO             | 3       | NO              | NO             |               |         |       |         |
| Chromium VI (hexavalent)                                    | ug/L         | 3     | 3                  | 3       | 3          | 3         | NO             | NO             | 3       | NO              | NO             |               |         |       |         |
| Chrysene                                                    | ug/L         | 12    | 0.13               | 0.369   | 0.1819091  | 0.13      | NO             | NO             | 0.13    | NO              | NO             |               |         |       |         |
| cis-1,2-Dichloroethene                                      | ug/L         | 12    | 0.126              | 0.63    | 0.242      | 0.63      | NO             | NO             | 0.63    | NO              | NO             |               |         |       |         |
|                                                             |              |       |                    |         |            |           |                |                |         |                 |                |               |         |       |         |

| LW-Pond 2024 Data vs Historic Data Summary |              |       |                    |           |           |           |            |            |           |            |            |                 |         |       |         |
|--------------------------------------------|--------------|-------|--------------------|-----------|-----------|-----------|------------|------------|-----------|------------|------------|-----------------|---------|-------|---------|
| Analyte                                    | Result Units | Count | Summary Statistics |           |           | Date      |            |            | Date      |            |            | TVS Standards   |         |       |         |
|                                            |              |       | Min                | Max       | Avg       | 10/8/2024 |            |            | 5/15/2024 |            |            | 2024 Exceedance |         |       |         |
|                                            |              |       |                    |           |           | Value     | Below Avg. | Above Avg. | Value     | Below Avg. | Above Avg. | Acute           | Chronic | Acute | Chronic |
| Di-n-butylphthalate (DBP)                  | ug/L         | 12    | 0.266              | 0.906     | 0.4706364 | 0.453     | NO         | NO         | 0.453     | NO         | NO         |                 |         |       |         |
| Di-n-octyl phthalate (DnOP)                | ug/L         | 12    | 0.278              | 1.86      | 0.9002727 | 0.932     | NO         | NO         | 0.932     | NO         | NO         |                 |         |       |         |
| Dibenz(a,h)anthracene                      | ug/L         | 12    | 0.0644             | 0.31      | 0.1121091 | 0.0644    | NO         | NO         | 0.0644    | NO         | NO         |                 |         |       |         |
| Dibenzofuran                               | ug/L         | 12    | 0.097              | 0.375     | 0.153     | 0.097     | NO         | NO         | 0.097     | NO         | NO         |                 |         |       |         |
| Dibromochloromethane                       | ug/L         | 12    | 0.14               | 0.7       | 0.2758182 | 0.7       | NO         | NO         | 0.7       | NO         | NO         |                 |         |       |         |
| Diesel fuel                                | ug/L         | 12    | 973                | 5330      | 3057.75   | 3730      | NO         | NO         | 2400      | NO         | NO         |                 |         |       |         |
| Diethyl phthalate                          | ug/L         | 12    | 0.282              | 0.574     | 0.315     | 0.287     | NO         | NO         | 0.287     | NO         | NO         |                 |         |       |         |
| Dimethyl phthalate                         | ug/L         | 12    | 0.26               | 0.52      | 0.2906364 | 0.26      | NO         | NO         | 0.26      | NO         | NO         |                 |         |       |         |
| Ethylbenzene                               | ug/L         | 12    | 0.137              | 0.685     | 0.2815455 | 0.685     | NO         | NO         | 0.685     | NO         | NO         |                 |         |       |         |
| Fluoranthene                               | ug/L         | 12    | 0.102              | 0.344     | 0.1521818 | 0.102     | NO         | NO         | 0.102     | NO         | NO         |                 |         |       |         |
| Fluorene                                   | ug/L         | 12    | 0.0844             | 0.359     | 0.1387455 | 0.0844    | NO         | NO         | 0.0844    | NO         | NO         |                 |         |       |         |
| Fluoride (dissolved)                       | ug/L         | 11    | 7280               | 187000    | 65170.909 | 131000    | NO         | NO         | 56700     | NO         | NO         |                 |         |       |         |
| Gasoline                                   | ug/L         | 11    | 31.4               | 1160      | 170.47273 | 1160      | NO         | NO         | 157       | NO         | NO         |                 |         |       |         |
| Hardness                                   | ug/L         | 8     | 368000             | 3730000   | 1656375   | 1800000   | NO         | NO         | 1450000   | NO         | NO         |                 |         |       |         |
| Hexachlorobenzene                          | ug/L         | 12    | 0.0755             | 0.379     | 0.1340909 | 0.0755    | NO         | NO         | 0.0755    | NO         | NO         |                 |         |       |         |
| Hexachlorobutadiene                        | ug/L         | 12    | 0.0968             | 0.365     | 0.1511273 | 0.0968    | NO         | NO         | 0.0968    | NO         | NO         |                 |         |       |         |
| Hexachlorocyclopentadiene                  | ug/L         | 12    | 0.0598             | 2.59      | 0.5016727 | 0.0598    | NO         | NO         | 0.0598    | NO         | NO         |                 |         |       |         |
| Hexachloroethane                           | ug/L         | 12    | 0.127              | 0.405     | 0.1854545 | 0.127     | NO         | NO         | 0.127     | NO         | NO         |                 |         |       |         |
| Indeno(1,2,3-cd)pyrene                     | ug/L         | 12    | 0.279              | 0.558     | 0.3071818 | 0.279     | NO         | NO         | 0.279     | NO         | NO         |                 |         |       |         |
| Iron                                       | ug/L         | 4     | 30.8               | 2240      | 902.95    | 447       | NO         | NO         | 894       | NO         | NO         |                 |         |       |         |
| Iron (dissolved)                           | ug/L         | 12    | 15                 | 4470      | 1213.2091 | 447       | NO         | NO         | 447       | NO         | NO         | ---             | 300     | ---   | YES     |
| Isophorone                                 | ug/L         | 12    | 0.143              | 0.302     | 0.1821818 | 0.143     | NO         | NO         | 0.143     | NO         | NO         |                 |         |       |         |
| Lead                                       | ug/L         | 3     | 5.13               | 25.6      | 13.676667 | 5.13      | NO         | NO         | 10.3      | NO         | NO         |                 |         |       |         |
| Lead (dissolved)                           | ug/L         | 4     | 0.26               | 5.13      | 3.27      | 5.13      | NO         | NO         | 5.13      | NO         | NO         | 281             | 10.9    | NO    | NO      |
| Magnesium                                  | ug/L         | 6     | 196000             | 807000    | 404333.33 | 393000    | NO         | NO         | 312000    | NO         | NO         |                 |         |       |         |
| Manganese (dissolved)                      | ug/L         | 4     | 5.73               | 32.9      | 21.8825   | 32.9      | NO         | NO         | 29.7      | NO         | NO         | 4738            | 2618    | NO    | NO      |
| Mercury                                    | ug/L         | 3     | 0.1                | 0.13      | 0.11      | 0.13      | NO         | NO         | 0.1       | NO         | NO         |                 |         |       |         |
| Methylene chloride                         | ug/L         | 12    | 0.43               | 2.15      | 0.8463636 | 2.15      | NO         | NO         | 2.15      | NO         | NO         |                 |         |       |         |
| Molybdenum                                 | ug/L         | 3     | 24400              | 77300     | 47566.667 | 77300     | NO         | NO         | 24400     | NO         | NO         | ---             | 150     | ---   | YES     |
| N-Nitrosodi-n-propylamine                  | ug/L         | 12    | 0.261              | 0.522     | 0.3145455 | 0.261     | NO         | NO         | 0.261     | NO         | NO         |                 |         |       |         |
| N-Nitrosodiphenylamine                     | ug/L         | 12    | 1.19               | 4.74      | 2.3827273 | 2.37      | NO         | NO         | 2.37      | NO         | NO         |                 |         |       |         |
| Naphthalene                                | ug/L         | 12    | 0.159              | 0.413     | 0.2159091 | 0.159     | NO         | NO         | 0.159     | NO         | NO         |                 |         |       |         |
| Nickel                                     | ug/L         | 3     | 5.14               | 25.7      | 13.713333 | 5.14      | NO         | NO         | 10.3      | NO         | NO         | 1513            | 168     | NO    | NO      |
| Nitrate (as N)                             | ug/L         | 12    | 22.7               | 88400     | 9242.4273 | 88400     | NO         | NO         | 480       | NO         | NO         |                 |         |       |         |
| Nitrite (as N)                             | ug/L         | 12    | 27.7               | 79400     | 8215.9455 | 79400     | NO         | NO         | 420       | NO         | NO         |                 |         |       |         |
| Nitrobenzene                               | ug/L         | 12    | 0.297              | 0.594     | 0.3403636 | 0.297     | NO         | NO         | 0.297     | NO         | NO         |                 |         |       |         |
| Nitrobenzene-D5                            | %            | 9     | 23.8               | 69.3      | 52.455556 | 23.8      | NO         | NO         | 68.4      | NO         | NO         |                 |         |       |         |
| o-Terphenyl                                | %            | 9     | 23.4               | 88        | 57        | 65.3      | NO         | NO         | 37.9      | NO         | NO         |                 |         |       |         |
| Oil and grease                             | ug/L         | 12    | 1290               | 4190      | 2001.8182 | 1750      | NO         | NO         | 1430      | NO         | NO         |                 |         |       |         |
| p-Bromofluorobenzene                       | %            | 9     | 83.4               | 111       | 100.05556 | 98.6      | NO         | NO         | 110       | NO         | NO         |                 |         |       |         |
| p-Terphenyl-d14                            | %            | 9     | 13.7               | 58.1      | 26.655556 | 13.7      | NO         | NO         | 25        | NO         | NO         |                 |         |       |         |
| Pentachlorophenol                          | ug/L         | 12    | 0.313              | 0.626     | 0.3445455 | 0.313     | NO         | NO         | 0.313     | NO         | NO         |                 |         |       |         |
| pH                                         | s.u.         | 12    | 8.88               | 9.23      | 9.0933333 | 9.09      | NO         | NO         | 9.05      | NO         | NO         |                 |         |       |         |
| Phenanthrene                               | ug/L         | 12    | 0.112              | 0.406     | 0.172     | 0.112     | NO         | NO         | 0.112     | NO         | NO         |                 |         |       |         |
| Phenol                                     | ug/L         | 12    | 0.992              | 8.66      | 4.1892727 | 4.33      | NO         | NO         | 4.33      | NO         | NO         |                 |         |       |         |
| Phenol-d5                                  | %            | 9     | 18.3               | 38.8      | 29.155556 | 24.3      | NO         | NO         | 29.5      | NO         | NO         |                 |         |       |         |
| Phenolics (total)                          | ug/L         | 11    | 8.3                | 223       | 32.74     | 8.3       | NO         | NO         | 13.7      | NO         | NO         |                 |         |       |         |
| Phosphorus                                 | ug/L         | 12    | 35                 | 413       | 160.90833 | 413       | NO         | NO         | 114       | NO         | NO         |                 |         |       |         |
| Pyrene                                     | ug/L         | 12    | 0.107              | 0.366     | 0.1605455 | 0.107     | NO         | NO         | 0.107     | NO         | NO         |                 |         |       |         |
| Selenium (dissolved)                       | ug/L         | 12    | 8.79               | 155       | 63.090833 | 32.1      | NO         | NO         | 38.3      | NO         | NO         | 18.4            | 4.6     | YES   | YES     |
| Silica                                     | ug/L         | 12    | 6000               | 73400     | 21140     | 26800     | NO         | NO         | 9400      | NO         | NO         |                 |         |       |         |
| Silicon                                    | ug/L         | 12    | 2800               | 34300     | 9883.3333 | 12500     | NO         | NO         | 4390      | NO         | NO         |                 |         |       |         |
| Silver (dissolved)                         | ug/L         | 3     | 0.72               | 1.44      | 1.2       | 1.44      | NO         | NO         | 1.44      | NO         | NO         | 22              | 3.5     | NO    | NO      |
| Styrene                                    | ug/L         | 12    | 0.118              | 0.59      | 0.2381818 | 0.59      | NO         | NO         | 0.59      | NO         | NO         |                 |         |       |         |
| Sulfate                                    | ug/L         | 12    | 4300000            | 97800000  | 62200000  | 94300000  | NO         | NO         | 61500000  | NO         | NO         | ---             | 250     | ---   | YES     |
| Sulfide                                    | ug/L         | 12    | 6.5                | 624       | 145.47273 | 125       | NO         | NO         | 125       | NO         | NO         |                 |         |       |         |
| Tetrachloroethene                          | ug/L         | 12    | 0.3                | 1.5       | 0.5312727 | 1.5       | NO         | NO         | 1.5       | NO         | NO         |                 |         |       |         |
| Toluene                                    | ug/L         | 12    | 0.278              | 1.39      | 0.5045455 | 1.39      | NO         | NO         | 1.39      | NO         | NO         |                 |         |       |         |
| Toluene-D8                                 | %            | 9     | 92.9               | 120       | 105.91111 | 94.9      | NO         | NO         | 116       | NO         | NO         |                 |         |       |         |
| Total dissolved solids (TDS)               | ug/L         | 12    | 7270000            | 205000000 | 97514167  | 205000000 | NO         | NO         | 96600000  | NO         | NO         |                 |         |       |         |
| Total organic carbon (TOC)                 | ug/L         | 12    | 15400              | 614000    | 216866.67 | 614000    | NO         | NO         | 185000    | NO         | NO         |                 |         |       |         |
| Total suspended solids (TSS)               | ug/L         | 11    | 5300               | 1260000   | 232716.36 | 1260000   | NO         | NO         | 49400     | NO         | NO         |                 |         |       |         |
| trans-1,2-Dichloroethene                   | ug/L         | 12    | 0.149              | 0.745     | 0.3022727 | 0.745     | NO         | NO         | 0.745     | NO         | NO         |                 |         |       |         |
| trans-1,3-Dichloropropene                  | ug/L         | 12    | 0.118              | 0.59      | 0.2585455 | 0.59      | NO         | NO         | 0.59      | NO         | NO         |                 |         |       |         |
| Trichloroethene                            | ug/L         | 12    | 0.19               | 0.95      | 0.366     | 0.95      | NO         | NO         | 0.95      | NO         | NO         |                 |         |       |         |
| Uranium (dissolved)                        | ug/L         | 3     | 36.5               | 81.9      | 54.666667 | 81.9      | NO         | NO         | 36.5      | NO         | NO         | 11070           | 6915    | NO    | NO      |
| Vinyl chloride                             | ug/L         | 12    | 0.234              | 1.17      | 0.4087273 | 1.17      | NO         | NO         | 1.17      | NO         | NO         |                 |         |       |         |
| Xylenes (total)                            | ug/L         | 12    | 0.174              | 1.06      | 0.4616364 | 0.87      | NO         | NO         | 0.87      | NO         | NO         |                 |         |       |         |
| Zinc (dissolved)                           | ug/L         | 4     | 4.6                | 188       | 78        | 188       | NO         | NO         | 79.6      | NO         | NO         | 564             | 428     | NO    | NO      |
| Conductivity, field                        | uS/cm        | 12    | 8998               | 142720    | 83864.583 | 142720    | NO         | NO         | 76711     | NO         | NO         |                 |         |       |         |
| Dissolved oxygen (DO), field               | mg/L         | 11    | 0.53               | 6.39      | 2.7972727 | 0.53      | NO         | NO         | 2.71      | NO         | NO         |                 |         |       |         |
| Oxidation reduction potential (ORP), field | millivolts   | 12    | -61.2              | 840.2     | 114.55    | 119.8     | NO         | NO         | 174.1     | NO         | NO         |                 |         |       |         |
| pH, field                                  | s.u.         | 12    | 8.62               | 9.52      | 9.1941667 | 9.24      | NO         | NO         | 9.17      | NO         | NO         |                 |         |       |         |
| Temperature, ambient                       | Deg F        | 12    | 45                 | 65        | 60.833333 | 65        | NO         | NO         | 65        | NO         | NO         |                 |         |       |         |
| Temperature, sample                        | Deg C        | 9     | 8.9                | 19.3      | 15.155556 | 14.9      | NO         | NO         | 18.6      | NO         | NO         |                 |         |       |         |
| Turbidity, field                           | NTU          | 12    | 1.82               | 64        | 11.579167 | 9.47      | NO         | NO         | 8.96      | NO         | NO         |                 |         |       |         |

Note: Water quality standards for the metals: cadmium, chromium III, lead, manganese, nickel, silver, uranium, and zinc were calculated using Table Value Standards in accordance with Colorado WQCD specifications; a hardness of 400 mg/L (a Roan Creek sample collected in 2002 showed a calculated hardness of 608 mg/L). Also note that samples were analyzed for dissolved chromium, not trivalent or hexavalent species; the standard was applied to dissolved chromium.