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**METADATA FOR WATER QUALITY PROGRAM SAMPLING RESULTS**

**Synopsis**

This data set includes analytical data collected as part of the City’s water quality sampling program. All data is collected by the Department of Environmental Health in accordance with the [Water Quality Program’s Quality Assurance Project Plan](http://www.denvergov.org/content/dam/denvergov/Portals/771/documents/QAPP%20V%203.0%20%20-%20Final.pdf). A copy of the plan can be found on the Water Quality Program’s webpage – [www.denvergov.org/waterquality](http://www.denvergov.org/waterquality).

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| --- | --- | --- | --- |
| Field Name | Description | | |
| sys\_loc\_code | Sampling location ID | | |
| loc\_desc | Description of sampling location | | |
| sample\_date | Sample collection date | | |
| matrix\_code | Sample matrix | | |
|  | SW | Surface Water | |
|  | W | Water | |
|  | WS | Surface Water | |
| lab\_name\_code | Laboratory performing sample analysis | | |
|  | Accutest | | Accutest Labs, Wheat Ridge, Colorado |
|  | DEH | | Denver Department of Environmental Health |
|  | EAL | | Evergreen Analytical Laboratory, Wheat Ridge, Colorado |
|  | EPA | | US EPA Region 8 Laboratory |
|  | LE | | Littleton / Englewood Wastewater Treatment Plant Laboratory, Littleton, Colorado |
|  | Metro | | Metro Wastewater Reclamation District Laboratory, Commerce City, Colorado |
|  | Pace | | Pace Analytical Laboratory, Kansas City, Kansas |
|  | STL | | Severn Trent Laboratory, Arvada, Colorado |
|  | TestAmerica | | TestAmerica Laboratory, Arvada, Colorado |
|  | Wastewater | | Denver Wastewater Management Division Laboratory |
| analytic\_method | Analytical method – typically a method number. Methods are generally published and widely available. References for further information can be found in [DEH’s Water Quality Program Quality Assurance Project Plan](http://www.denvergov.org/content/dam/denvergov/Portals/771/documents/QAPP%20V%203.0%20%20-%20Final.pdf) | | |
| fraction | Species of analyte tested for | | |
|  | D | Dissolved | |
|  | N | Not applicable | |
|  | R | Total recoverable | |
|  | T | Total | |
| cas\_rn | Chemical Abstracts Service Registry Number, or other analyte identifying code, such as STORET code. | | |
| chemical\_name | Name of analyte | | |
| report\_result\_value | Analytical result | | |
| report\_result\_unit | Result units | | |
| report\_result\_limit | Analytical method reporting limit | | |
| validator\_qualifiers | Data validation qualifier added by DEH Water Quality Program staff during data review and validation | | |
|  | J | Indicates an estimated value when the compound is detected, but is below the reporting limit | |
|  | R | Result rejected. Not suitable for use | |
|  | U | Compound analyzed for, but not detected | |
| lab\_qualifiers | Data validation qualifier added by laboratory | | |
|  | < | Compound analyzed for, but not detected | |
|  | > | Exceeds the upper quantitation limit for the analytical method | |
|  | B | Analyte detected in the associated method blank | |
|  | BJ | Analyte detected in the associated method blank, result is estimated because is below the reporting limit for the analytical method | |
|  | J | Indicates an estimated value when the compound is detected, but is below the reporting limit for the analytical method | |
|  | JB | Analyte detected in the associated method blank, result is estimated because is below the reporting limit for the analytical method | |
|  | R | Result rejected. Not suitable for use | |
|  | U | Compound analyzed for, but not detected | |
| longitude | Longitude | | |
| latitude | Latitude | | |

**Questions, Comments, Suggestions**

For any questions please contact waterquality@denvergov.org