

City of Austin Water Quality Sampling Data

Tabular Dataset

Tags

water, vegetation, baseflow, autosample, field collection, contract lab, regulatory, environmental Integrity Index, raw data, aquifer, lake, watershed protection

Summary

Data collected to assess water quality conditions in the natural creeks, aquifers and lakes in the Austin area. This is raw data, provided directly from our Field Sample database (FSDB) and should be considered provisional. Data may or may not have been reviewed by project staff.

Description

In addition to Qualifiers for each data point, data quality (QC) flags have been provided to aid in the assessment of the data. Note that some data over time will be improved and edited for accuracy and that QC flags can change based upon changes in project criteria. Additional data may be available from other agencies (USGS, TCEQ, LCRA) and should be requested from them directly; some of this data may appear in those datasets.

Qualifier Codes

QUALIFIER	CT	COMMENT
<	78,963	Less than the reported value (Non-Detect)
<J	41,787	Estimated value less than the reported value (Non-Detect)
>	2,883	Greater than this measurement
>J	8	Estimated to be greater than this value
A	1,848	Value not accredited (LCRA Lab)
B	26	Analyte detected in the method blank (DHL Lab)
C	28	More detail in the case narrative (DHL Lab)
CG	34	Confluent Growth (bacteria samples too productive to measure - Austin Water Utility code)
E	20	WWW Lab qualifier; more research needed
E1	17	WWW Lab qualifier; more research needed
H	66	Holding time exceeded for preparation or lab analysis (LCRA Lab)
HJ	13	Estimated value; Holding time exceeded for preparation or lab analysis (LCRA Lab)
I	70	GERG Lab qualifier; more research needed
INF	5	Interference (lab contamination error)
JA	200	Estimated value; not accredited (LCRA Lab)
JN	16	Estimated value; not accredited (DHL Lab)
LE	53	Lab error
N	268	Value not accredited (DHL Lab)
NS	29	Insufficient sample size (Sampler Error)
R	236	Value known to fail QC
R	1	Value greater than this measurement; known to fail QC
SE	10	Sampling Error (Austin Water Utility Lab)
T	6	Sampling Error (Leachate Study)

QC Flags

QC_FLAG	CT	COMMENT
U	1,804,642	Deemed completely usable by the auto-flagging process
R	40,285	Rejected by auto-flagging process
?	3,779	Auto-flagging process did not know what to do with this data
J	41,744	Deemed estimated by the auto-flagging process
S	80,475	Outside of the standard range; less than the 15th percentile or greater than the 85th percentile

Credits

Produced by Watershed Protection Environmental Resource Management.

Use limitations

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of watershed boundaries. This product has been produced by the Environmental Resource Management Division of the Watershed Protection Department for resource planning. No warranty is made by the City of Austin regarding specific accuracy or completeness.

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