Wade Site: Monitoring Well MW-7D Sample Results for 1,2-Dichloroethane

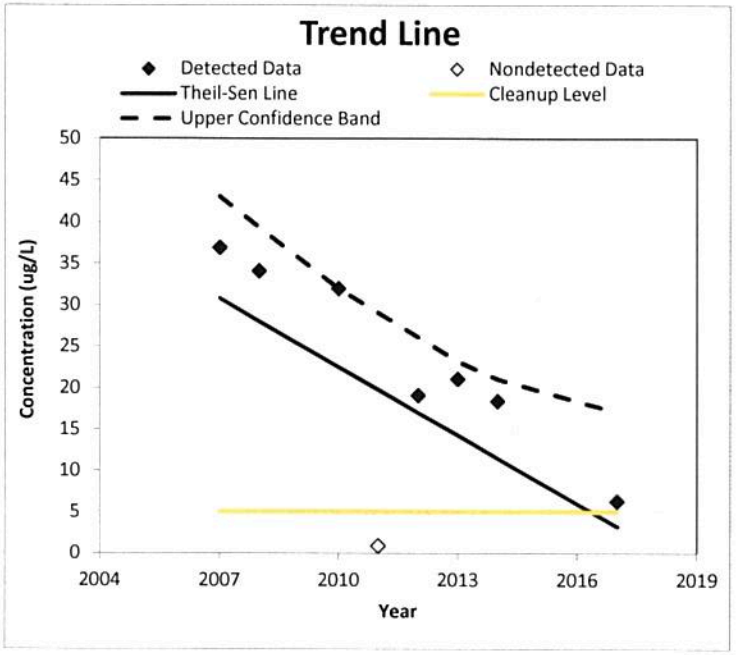
Groundwater Statistics Tool

UCL calculations and summary statistics for data sets with nondetects

Site Name	Wade
Operating Unit (OU)	0
Type of Evaluation	Attainment
Date of Evaluation	12/25/2017
Person performing analysis	0

Chemical of Concern	1,2-Dichloroethane
Well Name/Number	MW-7D
Date Units	Year
Concentration Units	ug/L

Confidence Level	95%
Number of results	8
Number of detected results	7
Number of non-detected results	1
Detection frequency	88%
Number at or below cleanup level	1
Are any potential outliers present?	No
Mean of concentration	21.2
Standard deviation of concentration	11.9



95% Upper Confidence Limit (UCL)	40.8
Method for calculating UCL	KM Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	17.1
Trend calculation method	Theil-Sen/Mann-Kendall
Cleanup level	5
Source of cleanup level	0
Is the trend decreasing or statistically insignificant?	Yes

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Message: None.	

Data, including imputed values

Date (Year)	1,2-Dichloroethane Concentration (ug/L)	Data Qualifier	Imputed value*
2007	36.9		36.9
2008	34.1		34.1
2010	32		32
2011	2	ND	0.89
2012	19.1		19.1
2013	21.1		21.1
2014	18.4		18.4
2017	6.3		6.3

* Note that the imputed value column also includes the actual value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	51420.25

Wade Site: Monitoring Well MW-2 Sample Results for Benzene

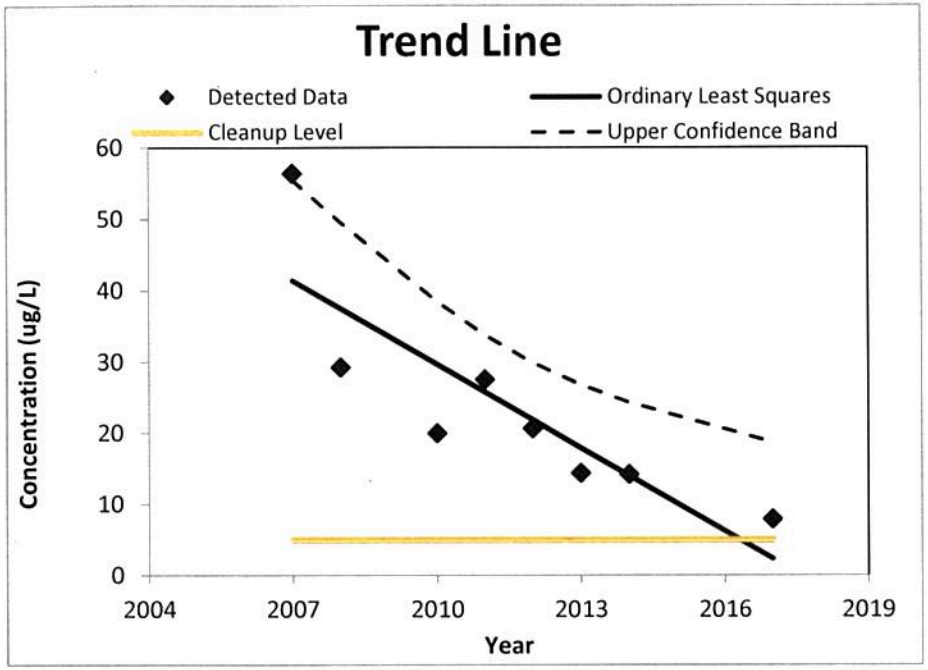
Groundwater Statistics Tool

UCL calculations and summary statistics for nonparametric data sets

Site Name	Wade
Operating Unit (OU)	0
Type of Evaluation	Attainment
Date of Evaluation	12/25/2017
Person performing analysis	0

Chemical of Concern	Benzene
Well Name/Number	MW-2
Date Units	Year
Concentration Units	ug/L

Confidence Level	95%
Number of results	8
Number < cleanup level	0
Are any potential outliers present?	No
Mean of concentration	23.8
Standard deviation of concentration	15



95% Upper Confidence Limit (UCL)	46.9
Method for calculating UCL	Chebyshev UCL
Value of 95% Upper Confidence Band value at final sampling event	18.7
Trend calculation method	Ordinary Least Squares
Cleanup level	5
Source of cleanup level	0
Is the trend decreasing or statistically insignificant?	**Yes**

When is the concentration predicted to exceed the MCL?	Not applicable - slope is not statistically increasing
Random Seed Used	0
Message: None.	